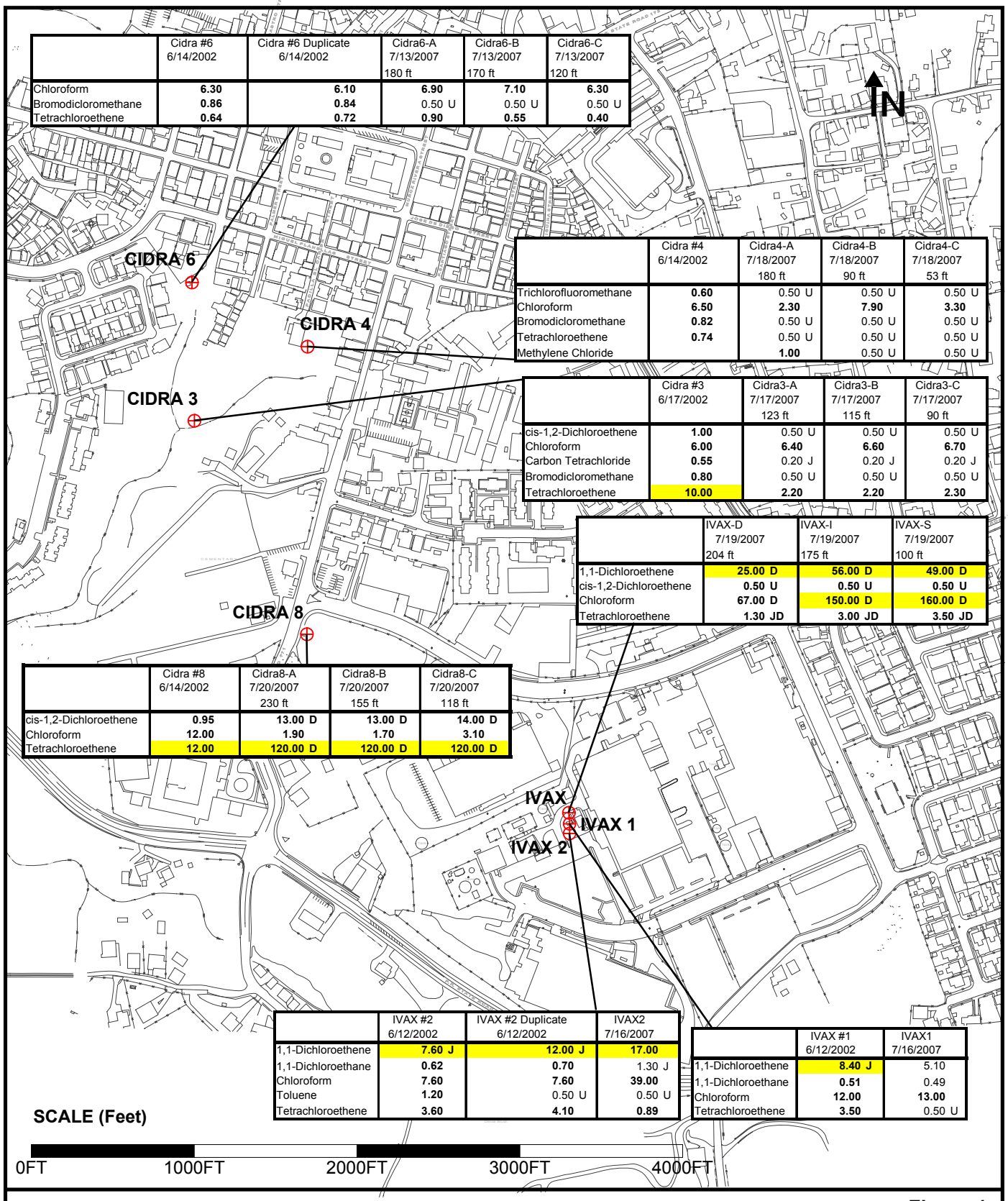
Appendices

687133

R2-0007403

Appendix A
Sample Locations and Results from Previous Investigations



	Cidra #6 6/14/2002	Cidra #6 Duplicate 6/14/2002	Cidra6-A 7/13/2007 180 ft	Cidra6-B 7/13/2007 170 ft	Cidra6-C 7/13/2007 120 ft
Chloroform	**6.30**	**6.10**	**6.90**	**7.10**	**6.30**
Bromodicloromethane	**0.86**	**0.84**	0.50 U	0.50 U	0.50 U
Tetrachloroethene	**0.64**	**0.72**	**0.90**	**0.55**	**0.40**

	Cidra #4 6/14/2002	Cidra4-A 7/18/2007 180 ft	Cidra4-B 7/18/2007 90 ft	Cidra4-C 7/18/2007 53 ft
Trichlorofluoromethane	**0.60**	0.50 U	0.50 U	0.50 U
Chloroform	**6.50**	**2.30**	**7.90**	**3.30**
Bromodicloromethane	**0.82**	0.50 U	0.50 U	0.50 U
Tetrachloroethene	**0.74**	0.50 U	0.50 U	0.50 U
Methylene Chloride		**1.00**	0.50 U	0.50 U

	Cidra #3 6/17/2002	Cidra3-A 7/17/2007 123 ft	Cidra3-B 7/17/2007 115 ft	Cidra3-C 7/17/2007 90 ft
cis-1,2-Dichloroethene	**1.00**	0.50 U	0.50 U	0.50 U
Chloroform	**6.00**	**6.40**	**6.60**	**6.70**
Carbon Tetrachloride	**0.55**	0.20 J	0.20 J	0.20 J
Bromodicloromethane	**0.80**	0.50 U	0.50 U	0.50 U
Tetrachloroethene	**10.00**	**2.20**	**2.20**	**2.30**

	IVAX-D 7/19/2007 204 ft	IVAX-I 7/19/2007 175 ft	IVAX-S 7/19/2007 100 ft
1,1-Dichloroethene	**25.00 D**	**56.00 D**	**49.00 D**
cis-1,2-Dichloroethene	**0.50 U**	**0.50 U**	**0.50 U**
Chloroform	**67.00 D**	**150.00 D**	**160.00 D**
Tetrachloroethene	**1.30 JD**	**3.00 JD**	**3.50 JD**

	Cidra #8 6/14/2002	Cidra8-A 7/20/2007 230 ft	Cidra8-B 7/20/2007 155 ft	Cidra8-C 7/20/2007 118 ft
cis-1,2-Dichloroethene	**0.95**	**13.00 D**	**13.00 D**	**14.00 D**
Chloroform	**12.00**	**1.90**	**1.70**	**3.10**
Tetrachloroethene	**12.00**	**120.00 D**	**120.00 D**	**120.00 D**

	IVAX #2 6/12/2002	IVAX #2 Duplicate 6/12/2002	IVAX2 7/16/2007
1,1-Dichloroethene	**7.60 J**	**12.00 J**	**17.00**
1,1-Dichloroethane	**0.62**	**0.70**	1.30 J
Chloroform	**7.60**	**7.60**	**39.00**
Toluene	**1.20**	0.50 U	0.50 U
Tetrachloroethene	**3.60**	**4.10**	**0.89**

	IVAX #1 6/12/2002	IVAX1 7/16/2007
1,1-Dichloroethene	**8.40 J**	5.10
1,1-Dichloroethane	**0.51**	0.49
Chloroform	**12.00**	**13.00**
Tetrachloroethene	**3.50**	0.50 U

Notes:
Concentrations in ug/L
Concentrations in bold exceed quantitation limits
All depths are in feet below ground surface

Exceeds EPA maximum concentration level

Supply Well

Figure 1
Volatile Organic Compound (VOC) Levels Greater than Quantitation Limits
2002 and 2007 Sampling Events
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

CDM Smith
R2-0007405

Appendix B
Field Change Request Notifications

RAC 2
Cidra Groundwater Contamination Site
FIELD CHANGE REQUEST (FCR) FORM

REQUEST NO: 1 DATE: 11/09/2007

FCR TITLE: Collection of Volatile Organic Samples using HDPE a soil collection syringe

DESCRIPTION: Utilizing the 5 gram pre-weighted high density polyethylene (HDPE) soil syringe apparatus for volatile organic compound (VOC) soil collection

REASON FOR DEVIATION: CDM's technical standard operating procedure (TSOP) 1-4, on lines 4 and 5, states to place a pre-weighted vial on a scale, and using a stainless steel spatula, add 5 grams of soil to the vial. Using the HDPE collection syringe, an undisturbed sample and an accurate weight are delivered to each sample jar. The collection syringes are disposable items which greatly reduces the possibility of contamination.

RECOMMENDED/MODIFICATION: As a second measure of confirming the weight after VOC sample collection, sample jars with soil should be weighed to ensure 5 grams of soil is collected.

INCLUDE IMPACT ON PROJECT OBJECTIVES: This change will have a positive impact on the project objectives, reducing loss of VOC, providing an undisturbed VOC sample to the jar, increases sampling efficiency and speed, and decreases cross contamination.

Signatures: _____ 11/9/07
Field Team Leader (FTL) Date

_____ 11/9/07
CDM Site Manager (SM) Date

Distribution: Aldaberto Bosque, EPA Remedial Project Manager
Mike Valentino, CDM SM
Jeniffer Oxford, Regional Quality Assurance Coordinator
Field Team
Project File

RAC II
CIDRA GROUNDWATER CONTAMINATION SITE
FIELD CHANGE REQUEST (FCR) FORM

REQUEST NO: 2 **DATE:** 3/22/07

FCR TITLE: Drilling Modifications: Change in Number and Diameter of Boreholes and Rock Cores in Multiport Monitoring Well Boreholes

DESCRIPTION: The following changes will be made to boreholes drilled for multiport monitoring wells:

1. Increase borehole diameter from 4 inches to 6 inches
2. Delay installation of MPW-7 and MPW-8 to Stage II
3. Decrease rock core diameter from HQ (3 7/8 inch) to NQ (2 7/8 inch)
4. Decrease number of rock cores from three to one.

REASON FOR DEVIATION: Due to limited drilling resources in Puerto Rico, CDM received one bid for drilling services at the Cidra site. The drilling company did not have the exact equipment to perform the work as originally scoped. Therefore, in order to work with the driller's current equipment to save costs and maintain the field schedule, the above changes were proposed and approved by EPA. Rationale for each of the items listed above is as follows:

1. Increase borehole diameter from 4 inches to 6 inches: The driller's equipment is capable of advancing 6-inch air rotary boreholes but not 4-inch boreholes. Therefore, 6-inch multiport monitoring well boreholes will be advanced and multiport wells will be installed in 6-inch boreholes with packers installed between the well ports. The overall costs will be less than advancing 4-inch boreholes and installing multiport wells without packers. Since the multiport wells can be installed in 6 inch boreholes, this change will have no impact on project objectives.

2. Delay installation of MPW-7 and MPW-8 to Stage II: These two wells will be moved to Stage II and Stage 1b work will be rolled into Stage II to eliminate the need for a third mobilization cost. Since the number of wells will not change, this will have no impact on project objectives.

3. Decrease rock core diameter from HQ (3 7/8 inch) to NQ (2 7/8 inch): The driller did not feel that his equipment could advance a rock core to 325 feet bgs without purchasing specialized equipment that was not on the island. Therefore, NQ (2 7.8 inch) rock cores will be advanced, and then reamed with air rotary drilling to a 6-inch diameter borehole. Since the size of the rock cores will not affect the ability to log them, this change will have no impact on project objectives.

4. Decrease number of rock cores from three to one: The purpose of the rock cores is to have a core sample to correlate with downhole geophysics data and optical televiewer videos. This objective is still able to be accomplished with one rock core; therefore, two of the three proposed rock cores will be eliminated to save costs and maintain the field schedule.

IMPACT ON PROJECT OBJECTIVES: There will be no impact on project objectives, as described above.

RECOMMENDED MODIFICATION: Implement the changes described above.

Signatures: Bennett for J Reyes 12/27/07
Jose Reyes (FTL) Date

Michael Valentino 12/27/07
Michael Valentino (SM) Date

Distribution: A. Bosque, EPA Remedial Project Manager
N. Rodriguez, CDM RI Task Manager
J. Oxford, CDM Regional QA Coordinator
Field Team
Project File 3223-168

RAC II
CIDRA GROUNDWATER CONTAMINATION SITE
FIELD CHANGE REQUEST (FCR) FORM

REQUEST NO: 3 DATE: 7/16/07

FCR TITLE: Video Logging and groundwater sampling at the abandoned IVAX well

DESCRIPTION: Video Logging and groundwater sampling is proposed at the abandoned IVAX well. This was not proposed in the Work Plan but will be preformed following the same method proposed for the closed Cidra supply well video logging and groundwater sampling as outlined in the QAPP

REASON FOR DEVIATION: (Include impact on project objectives) CDM needs to determine if the the abandoned IVAX Well can be used as a borehole for multiport well construction. This would save the cost of drilling a new borehole at this location which was proposed in the Work Plan Volume 1.

RECOMMENDED/MODIFICATION: Video log the IVAX abandoned well to determine well construction characteristics/fracture zones and pick three intervals for low flow groundwater sampling. This will help determine useablity of well as multport well.

INCLUDE IMPACT ON PROJECT OBJECTIVES: This will not have an impact on project objectives. An initial cost of approximate 20 hours to perform the video logging and sampling will be needed. This will be offset by the potetnial saving of 60 hours and subcontractor costs for drilling a new borehole as proposed at the IVAX site.

Signatures: Bennett for J Reyes 12/27/07
Field Team Leader (FTL) Date

Michael Valent — 12/27/02

CDM Site Manager (SM) — Date

Distribution: EPA Remedial Project Manager
CDM SM
Regional Quality Assurance Coordinator
Field Team
Project File

RAC II
CIDRA GROUNDWATER CONTAMINATION SITE
FIELD CHANGE REQUEST (FCR) FORM

REQUEST NO: 4 **DATE:** 11/7/07

FCR TITLE: 10-inch Diameter Outer Steel Casing in Overburden in Multiport Well Borings

DESCRIPTION: While advancing the MPW-5 borehole with air rotary drilling, uncolsolidated overburden materials caved into the borehole. As a result, an outer 10-inch diameter steel casing will be installed through overburden materials to prevent them from caving into the borehole. The borehole will be reamed to 12 inches diameter, the 10-inch casing will be installed through the entire length of overburden materials, and grouted in place. This procedure will be used at any well in which overburden cave-in is encountered.

REASON FOR DEVIATION: The 10-inch steel casing will be installed through the entire depth of overburden materials to prevent borehole cave-in.

IMPACT ON PROJECT OBJECTIVES: There will be no impact on project objectives.

RECOMMENDED MODIFICATION: Install 10-inch outer casing at any well in which overburden cave-in is encountered.

Signatures: Jerrett for J Reyes 12/27/07
Jose Reyes (FTL) Date

Michael Valentino 12/27/07
Michael Valentino (SM) Date

Distribution: A. Bosque, EPA Remedial Project Manager
N. Rodriguez, CDM RI Task Manager
J. Oxford, CDM Regional QA Coordinator
Field Team
Project File 3223-168

RAC II
CIDRA GROUNDWATER CONTAMINATION SITE
FIELD CHANGE REQUEST (FCR) FORM

REQUEST NO: 5 **DATE:** 11/12/07

FCR TITLE: Modification to Number of ESSO Borings

DESCRIPTION: The ESSO and adjacent machine shop facilities will be treated as one facility, and only 14 of the planned 20 soil borings will be collected.

REASON FOR DEVIATION: Originally, 10 soil borings were to be advanced at each potential source area at the site. However, upon visiting the ESSO and adjacent machine shop facilities, it was discovered that the two properties conducted the same types of processes, produced the same types of wastes, and were owned by the same owner. Therefore, it was decided to treat these two properties as one, and that only 14 of the original 20 soil borings were sufficient to characterize the one property.

IMPACT ON PROJECT OBJECTIVES: There will be no impact on project objectives, since the 14 soil borings are sufficient to characterize the property.

RECOMMENDED MODIFICATION: Collect 14 borings at the ESSO/machine shop facility; this will leave 6 borings available to be collected at other properties, if needed.

Signatures: A Bennett for J Reye 12/27/07
Jose Reyes (FTL) Date

Michael Valentino 12/27/07
Michael Valentino (SM) Date

Distribution: A. Bosque, EPA Remedial Project Manager
N. Rodriguez, CDM RI Task Manager
J. Oxford, CDM Regional QA Coordinator
Field Team
Project File 3223-168

RAC II
CIDRA GROUNDWATER CONTAMINATION SITE
FIELD CHANGE REQUEST (FCR) FORM

REQUEST NO: 6 **DATE:** 12/6/07

FCR TITLE: Relocation of MPW-1 and MPW-4

DESCRIPTION: CDM received volatile organic compound (VOC) results from the recent July 2007 groundwater sampling event conducted as part of the RI/FS. The results for the Cidra and Ivax supply wells at the site indicate a significantly higher level of VOCs in these wells, as compared to results from the previous sampling event conducted in June 2002. The current proposed RI/FS multiport well locations were chosen based on the June 2002 data. An evaluation of the new data indicate that two current wells (MPW-1 and MPW-4) need to be repositioned to achieve the goals of the stage 1a RI/FS source investigation. This change is also documented in a letter to A. Bosque (EPA RPM), dated December 6, 2007, "Recommendations and Rationale for Repositioning MPW-1 and MPW-4, Cidra Groundwater Contamination Site". This letter (attached) contains the figures referenced in this FCR.

REASON FOR DEVIATION:
Recent 2007 groundwater data shows an increase in VOC concentrations in Cidra #8 in IVAX-1, as well as elevated VOC concentrations in the abandoned IVAX supply well. These suggests the presence of separate sources closer to the areas of these wells, and the need for wells in the area to monitor groundwater in the southern portion of the study area, in the vicinity of Cidra #8 and the IVAX well group.

Due to the elevated results from Cidra #8, IVAX-1, and the abandoned IVAX well, CDM met with EPA on October 16, 2007 to discuss the possibility of repositioning proposed borehole/multiport well locations MPW-1 and MPW-4, based on the information gathered from the supply well sampling. Following are the recommendations and rationale for repositioning the two wells:

- MPW-1 - Relocate MPW-1 (currently adjacent to Cidra #6) closer to Cidra #8, to an area between the IVAX wells and Cidra well #8, located on the northern side of the facility building on the abandoned Shellfoam property. Although this would limit the monitoring locations in the northern area, relocating MPW-1 further south would provide additional groundwater data to evaluate the Shell Foam property as a potential source in the southern portion of the site. A recent site reconnaissance at Shell Foam identified areas of heavily stained soil, open pits of oily liquids, and areas of suspected discharge of materials to the ground.

  It should be noted that the location discussed with EPA during a site meeting (the grassy area in front of the Shell Foam facility building) is not competent enough to support the weight of the air rotary drill rig, and therefore will be avoided with heavy equipment. As a result, MPW-1 will be located on the northern side of the property, downgradient of Shell Foam and in line between the IVAX wells and Cidra well #8.

- MPW-2 - Relocate MPW-4 from the southwest corner of the site to a location between MPW-2 (Cidra #4), MPW-3 (Cidra #3), and MPW-5 (Cidra #8) (Figure 2). This would provide better contaminant and hydrogeologic control north of Cidra #8 and downgradient of potential dry cleaner sources in the Cidra Center.

IMPACT ON PROJECT OBJECTIVES: This change will provide data to more effectively monitor groundwater at potential sources in the southern portion of the study area, in the vicinity of Cidra #8 and the IVAX well group.

RECOMMENDED MODIFICATION: Move the locations of MPW-1 and MPW-4, as described above.

Signatures: J Bennett for J Reyes 12/27/07
Jose Reyes (FTL) Date

Michael Valentino 12/27/07
Michael Valentino (SM) Date

Distribution: A. Bosque, EPA Remedial Project Manager
N. Rodriguez, CDM RI Task Manager
J. Oxford, CDM Regional QA Coordinator
Field Team
Project File 3223-168

CDM
Cobian's Plaza, 1607 Ponce De Leon Avenue
San Juan, Puerto Rico 00909
tel: 787 620-5808
fax: 787 620-5803

December 7, 2007

Mr. Adalberto Bosque
Remedial Project Manager
U.S. Environmental Protection Agency
Caribbean Environmental Protection Division
Centro Europa Building, Suite 417
Santurce, Puerto Rico 00907-4127

PROJECT: RACII Contract No.: 68-W-98-210
Work Assignment No.: 168-RICO-02WE

DOC. CONTROL NO.: 3223-168-CO-EPOU-06988

SUBJECT: Recommendations and Rationale for Repositioning MPW-1 and MPW-4
Cidra Groundwater Contamination Site
Remedial Investigation/Feasibility Study
Cidra, Puerto Rico

Dear Mr. Bosque:

CDM Federal Programs Corporation (CDM) is pleased to submit the recommendations and rationale for repositioning the locations of MPW-1 and MPW-4, based on an evaluation of the recent VOC results from Cidra and Ivax supply wells at the Cidra Groundwater Contamination Site, Cidra, Puerto Rico.

If you have any questions concerning this issue, please contact me at your earliest convenience at (787) 620-5808.

Very truly yours,

CDM FEDERAL PROGRAMS CORPORATION

Michael Valentino, PG
RAC II Site Manager

Enclosure

cc: F. Rosado, EPA Region II
D. Cutt, EPA Region II
B. Goltz, CDM
J. Litwin, CDM
J. Mayo, CDM
RAC II Document Control

Recommendations and Rationale for Repositioning MPW-1 and MPW-4
Cidra Groundwater Contamination Site
Remedial Investigation/Feasibility Study
Cidra, Puerto Rico

Introduction

CDM is currently conducting the field investigation for the Remedial Investigation/ Feasibility Study for the Cidra Groundwater Contamination Site, located in Cidra, Puerto Rico. CDM received volatile organic compound (VOC) results from the recent July 2007 groundwater sampling event conducted as part of the RI/FS. The results for the Cidra and Ivax supply wells at the site indicate a significantly higher level of VOCs in these wells, as compared to results from the previous sampling event conducted in June 2002. The current proposed RI/FS multiport well locations were chosen based on the June 2002 data. An evaluation of the new data indicate that two current wells (MPW-1 and MPW-4) need to be repositioned to achieve the goals of the stage 1a RI/FS source investigation. Contaminant spatial distribution and fate and transport were evaluated to determine possible sources and the best modification to the proposed Stage I monitoring network. This evaluation focuses on the recent July 2007 groundwater sampling results for VOCs for the following Cidra groundwater plume area supply wells: Cidra-3, Cidra-4, Cidra-6, Cidra-8, IVAX-1, and IVAX-2.

This memorandum serves to document the evaluation of the July 2007 data, as well as provide recommendations and rationale for repositioning proposed RI multiport wells MPW-1 and MPW4, as discussed with the EPA Remedial Project Manager (RPM) and geologist. These changes will also be documented in a Field Change Request (FCR) form, to be submitted to EPA and the project team.

Background

Low-flow groundwater samples were collected in July 2007 from three depths at each of the following wells: Cidra #3, Cidra #4, Cidra #6, Cidra #8, and the abandoned IVAX well. Tap water samples were also collected from the supply pumps at IVAX #1 and IVAX #2. These wells are located approximately 20 feet from the abandoned IVAX well, pump intermittently, and discharge to a holding tank. See Figure 1 for sample locations and depths. During this sampling event, video logging provided additional information regarding the construction details and composite head levels for of the existing wells. Table 1 presents the depths to outer casing, well bottom, and water table for the Cidra and abandoned IVAX wells.

Summary of July 2007 VOC Concentrations in Supply Wells

The July 2007 sampling results indicate that tetrachloroethene (PCE), 1,1-dichloroethene (1,1-DCE), and chloroform exceed EPA's Maximum Contaminant Levels (MCLs). Eight other VOCs were also detected: cis-1,2-dichloroethene (cis-1,2-DCE), bromodichloromethane, trichlorofluoromethane, bromodichloromethane, methylene chloride, carbon tetrachloride, 1,1-dichloroethane (1,1-DCA), and toluene were also detected. In comparison with the 2002 results, levels increased in some wells by a factor ranging from three to ten. Following is a discussion of VOC contaminant levels by well:

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- **Cidra #8** – The primary VOCs detected in the depth interval samples are PCE, cis-1,2-DCE, a reductive dechlorination product of PCE, and chloroform. The most significant feature of the 2007 depth interval data is the ten-fold increase in the concentrations of PCE and cis-1,2-DCE from the 2002 to the 2007 sampling events (Figure 1).

  Concentrations in the three depth intervals in 2007 were similar, as follows: PCE levels were 120 ug/L in all three intervals; cis-1,2-DCE levels ranged from 13.0 to 14.0 ug/L; and chloroform levels ranged from 1.7 to 3.1 ug/L.

- **Abandoned IVAX (S, I , and D)** – Shallow (100 feet bgs) intermediate (175 feet bgs), and deep (204 feet bgs) groundwater samples were collected from an abandoned, open borehole supply well on the IVAX property, located adjacent to the active IVAX #1 and #2 wells.

  Elevated concentrations of chloroform were detected in the shallow (160.0 ug/L), intermediate (150 ug/L), and deep (67 ug/L) samples. The elevated levels in the IVAX well suggest a potential chloroform source in the area or within the pumping influence of the IVAX supply wells, since chloroform is not in the oxidative or reductive decay chains of PCE and TCE. Elevated concentrations of 1,1-DCE were also detected in the shallow (49.0 ug/L), intermediate (56.0 ug/L), and deep (25.0 ug/L) samples. Concentrations of 1,1-DCE and chloroform were approximately two times higher in the shallow and intermediate intervals than in the deep interval, suggesting that there may be a vertical component to contaminant distribution in this area (Figure 1).

- **IVAX #1 and #2** – Groundwater samples were collected at IVAX #1 and IVAX #2 directly from the supply pump. In IVAX #2, 1,1-DCE and 1,1-DCA results generally doubled from the 2002 results, and chloroform results increased by five times. Results from IVAX #1 during the 2007 sampling event were generally consistent with those from the 2002 event. Elevated concentrations of chloroform were detected in IVAX #1 (13.0 ug/L) and IVAX #2 (39 ug/L). Elevated concentrations of 1,1-DCE were also detected in IVAX #1 (5.1 ug/L) and IVAX #2 (17 ug/L). PCE was not detected in IVAX #1 and was diluted at 0.89 ug/L in IVAX #2 (Figure 1).

- **Cidra #3** – Results from the 2007 sampling event were generally consistent with those from the 2002 event. VOC concentrations detected in the three Cidra #3 depth interval samples were low and included chloroform (6.4 to 6.7 ug/L) and PCE (2.2 to 2.3 ug/L. The concentrations in the three depth intervals were very similar, which does not suggest any significant differences in concentration among the sampled intervals.

R2-0007418

- **Cidra #4** – The primary VOC detected in the 2007 depth interval samples was chloroform. Concentrations of chloroform were similar to those detected in the 2002 grab sample and ranged from 2.3 to 7.9 ug/L. The trace levels (less than 1 ug/L) of the CFC trichlorofluoromethane, MTBE, 1,1- DCE, and PCE detected in the 2002 grab sample were not detected in the 2007 depth interval samples (Figure 1).

- **Cidra #6** – The primary VOCs detected in the depth interval samples from Cidra #6 were chloroform (6.3 to 7.10 ug/L) and PCE (0.4 to 0.9 ug/L). VOC concentrations in the three depth interval samples are very similar and do not suggest any differences in VOC concentrations with depth. Concentrations of chloroform and PCE in the 2007 depth interval samples were consistent with the concentrations in the 2002 sample. The trace level of brodichlormenthane (0.86 ug/L) detected in the 2002 grab sample was not detected in the 2007 depth interval samples (Figure 1).

Conclusions

1. A significant increase in PCE and cis-1,2-DCE concentrations was observed in the Cidra #8 samples collected in 2007 as compared to the 2002 grab sample results. PCE levels increased from 12 ug/L in 2002 to 120 ug/L in all three 2007 samples. Cis-1,2-DCE levels increased from 0.95 ug/L in 2002 to 13-14 ug/L in the three 2007 samples.

2. Increases in VOCs from 2002 levels to 2007 levels, and the presence of different VOCs in the various wells suggests that there may be multiple sources of VOCs that are currently impacting groundwater in the Cidra area. In particular, the increased 1,1-DCE and chloroform levels in the IVAX-2 well suggests a chloroform/1,1-DCE source, possibly in the southern portion of the study area. In addition, the VOCs in the abandoned IVAX well (chloroform and 1,1-DCE) are different those found in the Cidra wells, suggesting different sources.

3. The types and concentrations of VOCs detected in supply wells to the north of the study area (Cidra #4, Cidra #6, and Cidra #3) are similar to those detected in the 2002 sampling event. Depth interval samples from these wells showed similar concentrations of VOCs although the wells are cased and screened and the sample intervals are small relative to the total depths of the wells.

The conclusions above are based on the information that is currently available and should be considered preliminary. There is still no significant information on vertical flow in the wells, aquifer structure, and in particular, fracture orientation, and the hydraulic relationship among the sampled wells. However, the information collected during the 2007 sampling event provides additional information that can be used to supplement the current conceptual site model and provides a basis for adjusting the locations of selected monitoring wells to be installed in Stage I.

Recommendations and Rationale for Repositioning MPW-1 and MPW-4

The 2007 data shows an increase in VOC concentrations in Cidra #8 in IVAX-1, as well as elevated VOC concentrations in the abandoned IVAX supply well. These suggests the presence of separate sources closer to the areas of these wells, and the need for wells in the

R2-0007419

area to monitor groundwater in the southern portion of the study area, in the vicinity of Cidra #8 and the IVAX well group.

Due to the elevated results from Cidra #8, IVAX-1, and the abandoned IVAX well, CDM met with EPA on October 16, 2007 to discuss the possibility of repositioning proposed borehole/multiport well locations MPW-1 and MPW-4, based on the information gathered from the supply well sampling. The CDM Site Manager, Michael Valentino, the EPA Remedial Project Manager, Adalberto Bosque, and the EPA Project Hydrogeologist, Diana Cutt were present at this meeting. Following are the recommendations and rationale for repositioning the two wells, as discussed during the October 16, 2007 site meeting:

- MPW-1 - Relocate MPW-1 (currently adjacent to Cidra #6) closer to Cidra #8, to an area between the IVAX wells and Cidra well #8, located on the northern side of the facility building on the abandoned Shellfoam property. Although this would limit the monitoring locations in the northern area, relocating MPW-1 further south would provide additional groundwater data to evaluate the Shell Foam property as a potential source in the southern portion of the site. A recent site reconnaissance at Shell Foam identified areas of heavily stained soil, open pits of oily liquids, and areas of suspected discharge of materials to the ground.

  It should be noted that the location discussed with EPA during the site meeting (the grassy area in front of the Shell Foam facility building) is not competent enough to support the weight of the air rotary drill rig, and therefore will be avoided with heavy equipment. As a result, MPW-1 will be located on the northern side of the property, downgradient of Shell Foam and in line between the IVAX wells and Cidra well #8.

- MPW-2 - Relocate MPW-4 from the southwest corner of the site to a location between MPW-2 (Cidra #4), MPW-3 (Cidra #3), and MPW-5 (Cidra #8) (Figure 2). This would provide better contaminant and hydrogeologic control north of Cidra #8 and downgradient of potential dry cleaner sources in the Cidra Center.

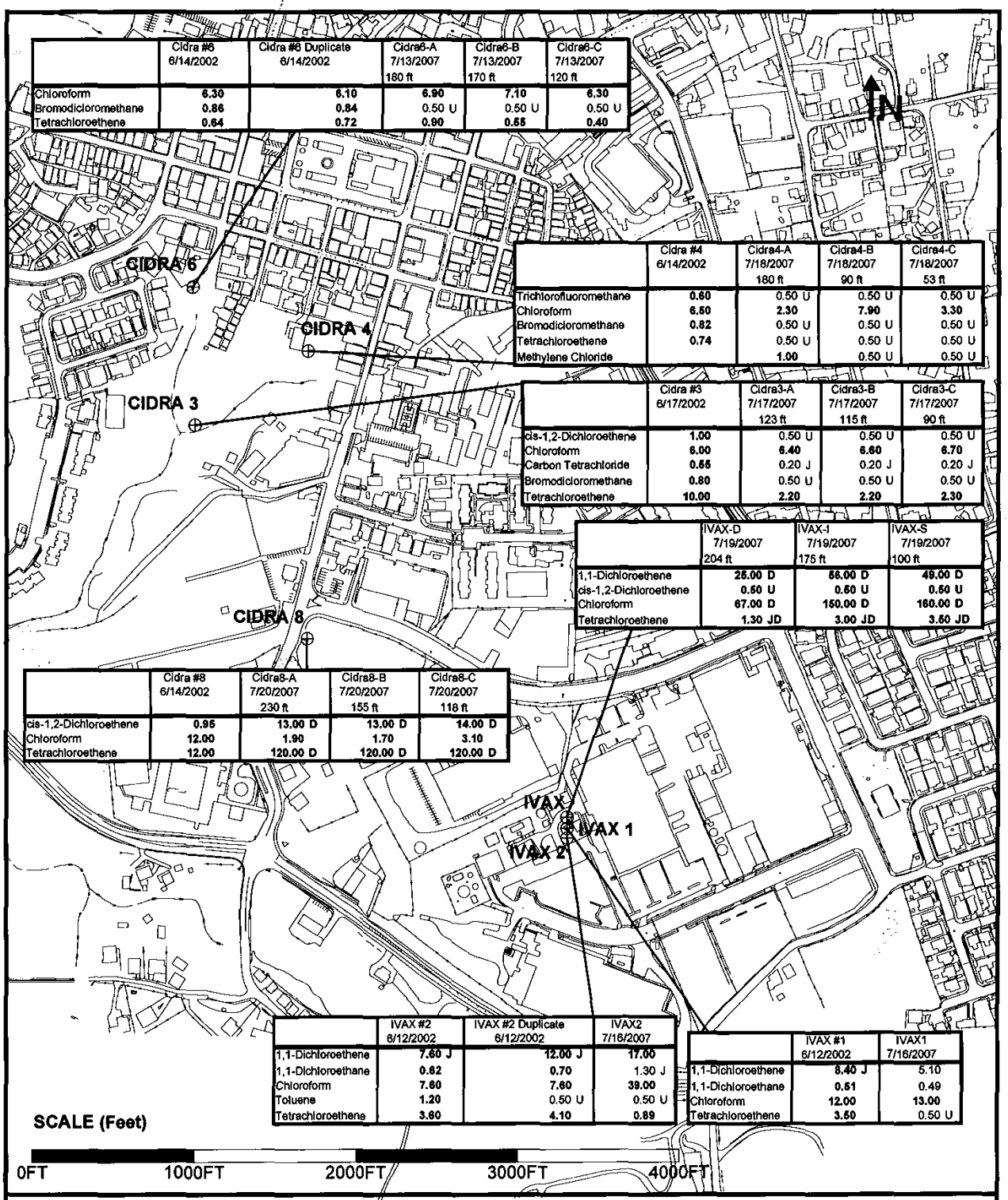
Figure 2 shows the revised locations of MPW-1 and MPW-4, as determined by EPA and CDM.

R2-0007420

Table 1
Supply Wells Construction Information from Video Logging
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Well Name	Total Depth (feet bgs)	Casing Depth (feet bgs)	Depth to Groundwater (feet bgs)
IVAX (Abandoned)	206	0-69	69.5
Cidra 3 1964	124	unknown*	32.45
Cidra 4	188	unknown*	45.5
Cidra 6 1967	189	0-161	33.1
Cidra 8	276	unknown*	32.8

*Casing depth not determined during video logging, due to cloudy water.
bgs = below ground surface



	Cidra #6 6/14/2002	Cidra #6 Duplicate 6/14/2002	Cidra6-A 7/13/2007 180 ft	Cidra6-B 7/13/2007 170 ft	Cidra6-C 7/13/2007 120 ft
Chloroform	6.30	6.10	6.90	7.10	6.30
Bromodiclorometnane	0.86	0.84	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.64	0.72	0.90	0.65	0.40

	Cidra #4 6/14/2002	Cidra4-A 7/18/2007 180 ft	Cidra4-B 7/18/2007 90 ft	Cidra4-C 7/18/2007 53 ft
Trichlorofluoromethane	0.60	0.50 U	0.50 U	0.50 U
Chloroform	6.50	2.30	7.90	3.30
Bromodiclorometnane	0.82	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.74	0.50 U	0.50 U	0.50 U
Methylene Chloride		1.00	0.50 U	0.50 U

	Cidra #3 6/17/2002	Cidra3-A 7/17/2007 123 ft	Cidra3-B 7/17/2007 115 ft	Cidra3-C 7/17/2007 90 ft
cis-1,2-Dichloroethene	1.00	0.50 U	0.50 U	0.50 U
Chloroform	6.00	6.40	6.60	6.70
Carbon Tetrachloride	0.55	0.20 J	0.20 J	0.20 J
Bromodiclorometnane	0.80	0.50 U	0.50 U	0.50 U
Tetrachloroethene	10.00	2.20	2.20	2.30

	IVAX-D 7/19/2007 204 ft	IVAX-I 7/19/2007 175 ft	IVAX-S 7/19/2007 100 ft
1,1-Dichloroethene	25.00 D	56.00 D	49.00 D
cis-1,2-Dichloroethene	0.50 U	0.50 U	0.50 U
Chloroform	67.00 D	150.00 D	160.00 D
Tetrachloroethene	1.30 JD	3.00 JD	3.50 JD

	Cidra #8 6/14/2002	Cidra8-A 7/20/2007 230 ft	Cidra8-B 7/20/2007 155 ft	Cidra8-C 7/20/2007 118 ft
cis-1,2-Dichloroethene	0.95	13.00 D	13.00 D	14.00 D
Chloroform	12.00	1.90	1.70	3.10
Tetrachloroethene	12.00	120.00 D	120.00 D	120.00 D

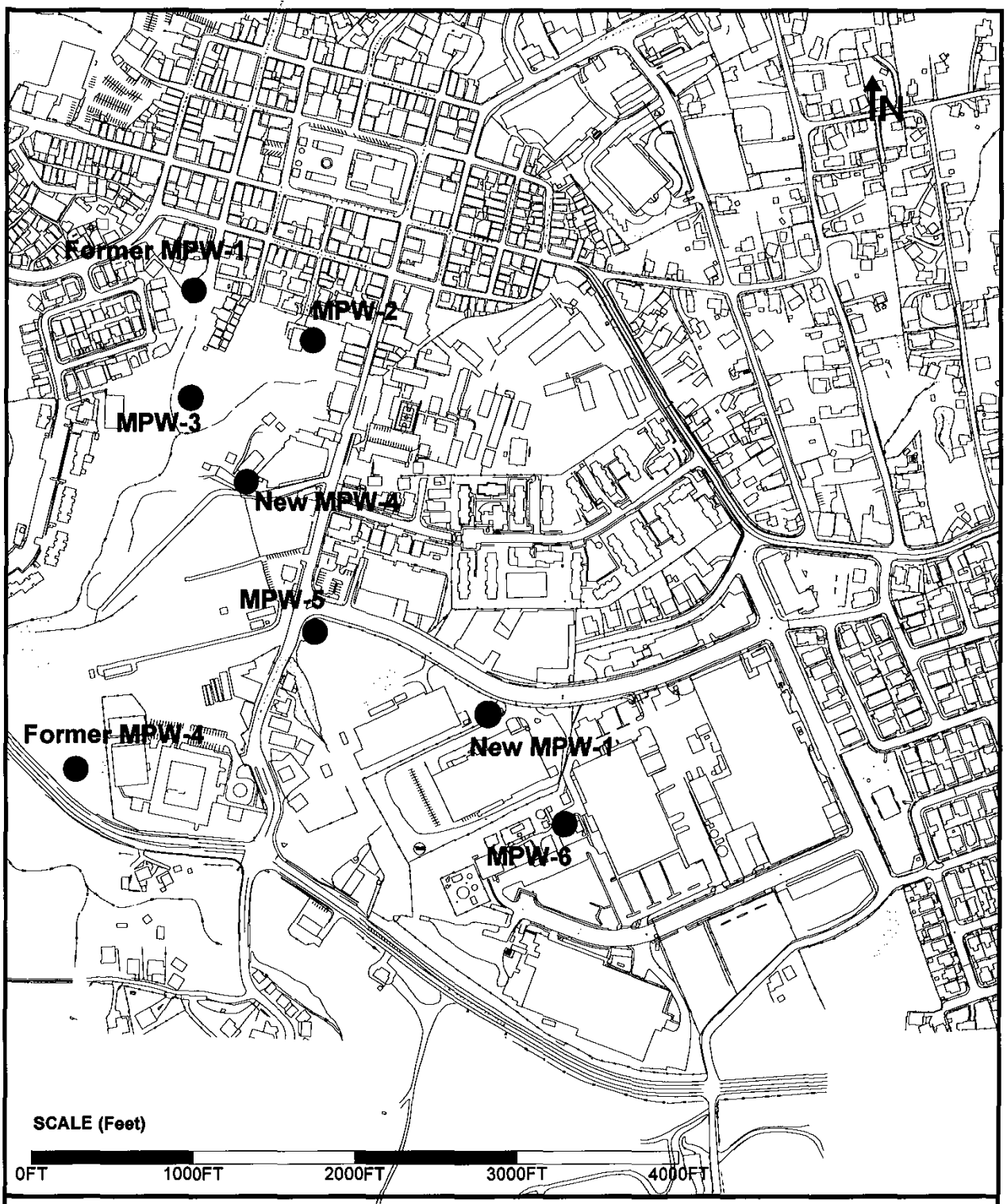
	IVAX #2 6/12/2002	IVAX #2 Duplicate 6/12/2002	IVAX2 7/16/2007
1,1-Dichloroethene	7.60 J	12.00 J	17.00
1,1-Dichloroethane	0.62	0.70	1.30 J
Chloroform	7.60	7.60	39.00
Toluene	1.20	0.50 U	0.50 U
Tetrachloroethene	3.80	4.10	0.89

	IVAX #1 6/12/2002	IVAX1 7/16/2007
1,1-Dichloroethene	8.40 J	5.10
1,1-Dichloroethane	0.51	0.49
Chloroform	12.00	13.00
Tetrachloroethene	3.50	0.50 U

Notes:
Concentrations in ug/L
Concentrations in bold exceed quantitation limits
Exceeds EPA maximum concentration level

Figure 1
Volatile Organic Compound(VOC) Greater than Quantitation Limits
2002 and 2007 Sampling Events
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

CDM



Former Borehole Location
New Borehole Location
Unchanged Borehole Location

Figure 2
Proposed Changes in Borehole/Multiport Monitoring Well Locations
Based on the 2007 Supply Well Sampling Event
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

CDM

RAC II
CIDRA GROUNDWATER CONTAMINATION SITE
FIELD CHANGE REQUEST (FCR) FORM

REQUEST NO: 7 **DATE:** 12/7/07

FCR TITLE: Shelfoam Borings

DESCRIPTION: EPA has requested that CDM advance six hand-auger soil borings and collect soil samples at the former Shelfoam facility, a potential source facility adjacent to the site staging area. This request is based on site walkovers conducted by EPA and CDM personnel at the property which identified the following: soil staining near a former tank holding pit; soil staining near the NW corner of the property; a rusty 8-inch pipe that drained from several locations in the facility to the stream on the west side of the property; and an oily liquid in trenches inside the facility. The six borings will take the place of the six borings that were left over from the ESSO facility (see FCR 5).

REASON FOR DEVIATION: The soil borings will be advanced at the Shelfoam to identify contaminants that may have been improperly disposed at the facility.

IMPACT ON PROJECT OBJECTIVES: This change will provide data to more effectively identify source areas at the site.

RECOMMENDED MODIFICATION: Advance six borings and collect soil samples at the former Shelfoam facility, as described above.

Signatures: Bennett for J Reyes 12/27/07
Jose Reyes (FTL) Date

Michael Valentino 12/27/07
Michael Valentino (SM) Date

Distribution: A. Bosque, EPA Remedial Project Manager
N. Rodriguez, CDM RI Task Manager
J. Oxford, CDM Regional QA Coordinator
Field Team
Project File 3223-168

FIELD CHANGE REQUEST FORM
Cidra Groundwater Superfund Site

REQUEST NO: 8 **DATE**: 12/17 /08

FCR TITLE: Borehole Video Logging MPW-6 and installation of multiport well in MPW-6 at IVAX

DESCRIPTION: On December 16, 2008, Flute pulled the blank liner from the MPW-6 borehole at IVAX and noticed a small tear on the liner at 220 feet. This is the area where we identified a large fracture while drilling and during geophysical logging. A sample port was constructed over this zone to monitor this large fracture. This fracture may cause damage in the same section to the multiport well that we plan on installing in this borehole.

CDM Site Manager, Mike Valentino had a conference call with the designer/manufacturer of the FLUTe system, Carl Keller, and CDM's Senior Geologist, John Dougherty. Carl explained that the material used in the sample port section is composed of much stronger material than is used for the blank liner. In fact they have used this material at site in Idaho with similar rock types (volcanic breccias) as Cidra to reinforce sections that had been tearing and had no future problems. He did say this is no guarantee that the material at Cidra won't tear if a sharp rock projection is within this fracture zone.

He recommended to first video log the borehole to get a view of the fracture zone where the tear occurred and then go ahead and install the system. If a tear occurs in the multiport material he said he would send new reinforced material. The cost would be approximately one-third the cost of a new multiport well. The multiport well at IVAX cost $31,478. The reinforcement would cost approximately $10,000 plus shipping, travel and labor and could be done in one day. He doesn't recommend sending the system back at this point since he believes there's a very good chance that the same tearing may not happen with the multiport well material.

REASON FOR DEVIATION: A small tear was observed in the blank FLUTe liner pulled from MPW-6 at the depth of a known large fracture. This fracture has the potential to impact the integrity of the new FLUTe multiport well to be installed in the MPW-6 borehole.

R2-0007425

IMPACT ON PROJECT OBJECTIVES: This will ensure that the multiport system gets installed correctly and quality groundwater samples will be collected from each port interval.

RECOMMENDED/MODIFICATION:

- Video log the borehole (We received a quote from Caribbean Well and Pump of $600 to video log the borehole)
- Review the video log with Carl Keller, FLUTe designer
- If no obvious sharp rock protrusion is observed that Keller believes will definitely compromise the material, install the multiport system in the IVAX borehole and monitor the integrity.

Signatures:

Site Manager _____ 12/17/08
Date

Project Task Leader _____ 12/17/08
Date

Distribution: RPM, EPA
Project staff
Document Control
Bill Sy, EPA
Jeniffer Oxford, CDM QAC

R2-0007426

Appendix C
Monitoring Well and Soil Boring Logs

Appendix C-1 – Monitoring Well Logs
Appendix C-2 – Soil Boring Logs

CDM Smith

Appendix C-1 – Monitoring Well Logs

PROJECT: Cidra Groundwater Contamination Site

LOCATION: Cidra, Puerto Rico

MONITORING WELL NO: **SMW-1**

STARTED: 7/12/10 COMPLETED: 7/14/10
DRILLING COMPANY: Jaca & Sierra
DRILLING EQUIPMENT:
DRILLING METHOD: Hollow Stem Auger, In. Dia. Borehole
SAMPLING METHOD: Split Spoon
SURFACE COMPLETION: Steel Stickup

NORTHING: 779025.04 Feet EASTING: 750892.59 Feet
G.S. ELEVATION: 1373.99 Feet M.P. ELEV: 1376.92
WATER: TOTAL DEPTH: 62.0 Feet
LOGGED BY: H. Chacon CHECKED BY: M. Valentino
HORIZONTAL DATUM: NAD 83, COORD. SYS.: PR/USVI State Plane
VERTICAL DATUM: NGVD 29

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	SAMPLE	RECOV. (feet)	BLOW COUNTS	PID (ppm)	ELEV (feet)
		SC	Stiff, dry, orange brown to brown, black mottled, medium to fine sandy Clay with some rock fragments.		1.6	3 4 5 7	0	
		SC	Stiff, dry, pale orange brown to brown, black mottled, medium to coarse sandy Clay.		1.3	5 5 4 6	0	1370
10		SC	Hard, dry, brown to reddish brown, yellow mottled, very fine sandy to silty Clay.		1.6	6 9 12 14	0	1365
		SC	Hard, dry, orange brown to reddish brown, black and gray mottled, fine to very fine sandy Clay with some angular to sub angular mafic rock fragments.		1.7	13 14 14 15	0	1360
20		SC	Hard, dry, light yellowish brown, black mottled, very fine sandy Clay with some silt.		1.7	11 13 19 15	0	1355
		SC	Hard, dry, yellowish brown to brown, medium to fine sandy Clay, some silt observed in sample.		2	10 14 8 8	0	1350
30		SC	Very stiff, dry, yellowish brown to orange brown, black and white mottled, medium to fine sandy Clay.		1.8	8 7 8 9	0	1345
		SC	Very stiff, dry, yellowish brown to orange brown, black and white mottled, fine to very fine sandy Clay. Some rock fragments observed at 37 ft bgs.		2	6 8 9 11	0	1340
								1335

Stick-Up

WELL CONSTRUCTION

- 0 - 40: Cement/Bentonite Grout
- 0 - 48: 4-inch PVC casing

CIDRA MONITORING WELL LOG CIDRA_4.GPJ LAI-PRE_DESIGN.GPJ 4/4/11 REV.

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San Juan, PR 00907
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Lithologic and Monitoring Well Construction Log

PROJECT NO. 3320.004

R2-0007429

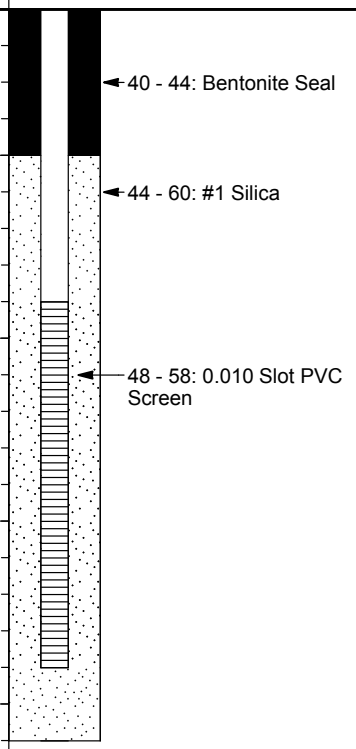
PROJECT: Cidra Groundwater Contamination Site

LOCATION: Cidra, Puerto Rico

MONITORING WELL NO: **SMW-1**

DEPTH (feet)	USCS	DESCRIPTION	SAMPLE	RECOV. (feet)	BLOW COUNTS	PID (ppm)	ELEV (feet)
	SC	Very stiff, moist, pale yellowish brown, black, gray and white mottled, fine to very fine sandy Clay.		2	5 7 9 12	10.03	
	CL	Hard, moist, dark reddish brown to brown, pale greenish brown mottled, silty Clay, some coarse to fine sand observed in sample.		1.6	14 16 31 43	5.7	1330
50	SC	Hard, moist to wet, pale greenish brown, coarse to fine sandy Clay. Abundant dull white to pale yellowish white, mineral fragments or crystals observed in sample, no reaction with HCl.		0.3	50/4	0	1325
	SC	Hard, wet, dark brown, coarse to fine sandy Clay. Abundant angular to very angular weathered rock fragments, dark brown to black in color observed in sample. Sanitary water-like odor from sample.		0.5	60/6	13.8	1320
60		Highly weathered rock (saprolite) in a hard, wet, dark brown, coarse to fine sandy Clay matrix. This highly weathered, angular to very angular, rock fragments, has a very fine grained texture and dark brown to black color.		0.3	60/4	33.5	1315
							1310
70							1305
							1300
							1295
80							

WELL CONSTRUCTION



CIDRA MONITORING WELL LOG CIDRA_4.GPJ LAI-PRE_DESIGN.GPJ 4/4/11 REV.

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Lithologic and Monitoring Well Construction Log

PROJECT NO. 3320.004

R2-0007430

PROJECT: Cidra Groundwater Contamination Site

LOCATION: Cidra, Puerto Rico

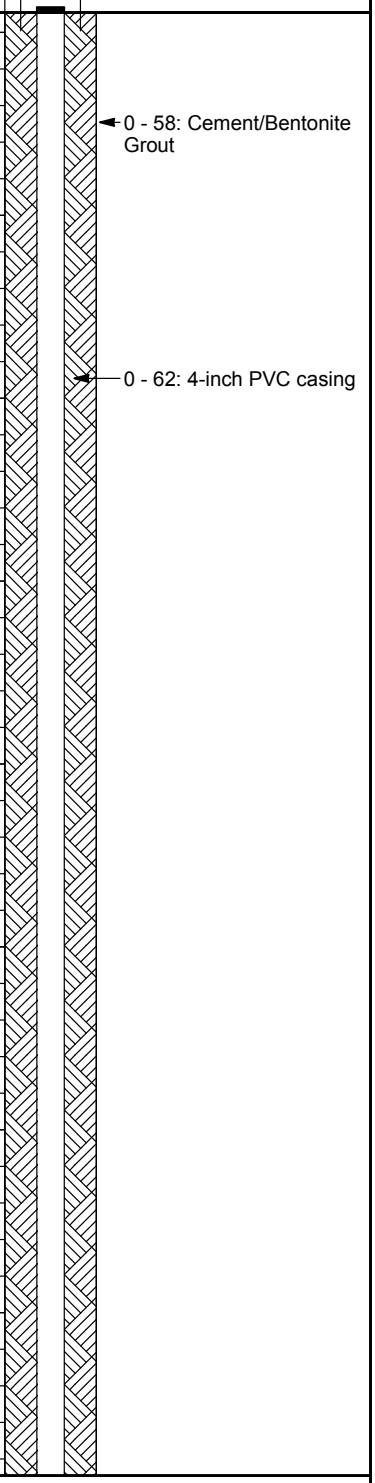
MONITORING WELL NO: **SMW-10**

STARTED: 4/30/10 COMPLETED: 5/5/10
DRILLING COMPANY: Jaca & Sierra
DRILLING EQUIPMENT:
DRILLING METHOD: Hollow Stem Auger, In. Dia. Borehole
SAMPLING METHOD: Split Spoon
SURFACE COMPLETION: Steel Flush-mount

NORTHING: 779149.85 Feet EASTING: 751092.75 Feet
G.S. ELEVATION: 1375.54 Feet M.P. ELEV: 1375.43
WATER: TOTAL DEPTH: 77.0 Feet
LOGGED BY: H. Chacon CHECKED BY: M. Valentino
HORIZONTAL DATUM: NAD 83, COORD. SYS.: PR/USVI State Plane
VERTICAL DATUM: NGVD 29

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	SAMPLE	RECOV. (feet)	BLOW COUNTS	PID (ppm)	ELEV (feet)
			Fill material described as: Stiff, dry, reddish brown to brown, yellowish brown mottled, fine to very fine clayey Sand with some rock fragments.		0.5	5 4 6 6	0	1375
		SC	Stiff, dry, yellowish brown to brown, black and white mottled, medium to coarse clayey Sand with some rock fragments.		0.9	4 4 6 6	0	1370
10		SC	Stiff, dry, greenish gray, black and white mottled, medium to coarse clayey Sand with some rock fragments.		1.5	3 3 3 3	0	1365
		SC	Firm, moist to wet, greenish gray, black and white mottled, medium to fine sandy Clay with some rock fragments.		1.8	1 2 1 2	0	1360
20		CL	Very stiff, moist to wet, orange brown, black and pale yellow mottled, very fine sandy Clay with some rock fragments.		2	2 5 9 9	0	1355
		CL	Stiff to very stiff, wet, orange brown to brown, pale yellowish brown to black mottled, medium to fine sandy Clay. Water level encountered at 23.90 ' bgs		2	3 4 6 6	0	1350
30		CL	Very stiff, wet, orange brown to reddish brown, pale yellowish brown to pale brown mottled, medium to fine sandy to silty Clay. Few angular to sub angular mafic rock fragments with fine grain texture and gravel to coarse sand in size.		2	5 7 8 7	0	1345
		CL	Very stiff, wet, dark reddish brown to brown, pale yellowish brown to pale orange brown and some black mottled, very fine sandy to silty Clay.		2	3 4 5 5	0	1340

WELL CONSTRUCTION



CIDRA MONITORING WELL LOG CIDRA_4.GPJ LAI-PRE_DESIGN.GPJ 4/4/11 REV.

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Fax: 787-722-6607

Lithologic and Monitoring Well Construction Log

PROJECT NO. 3320.004

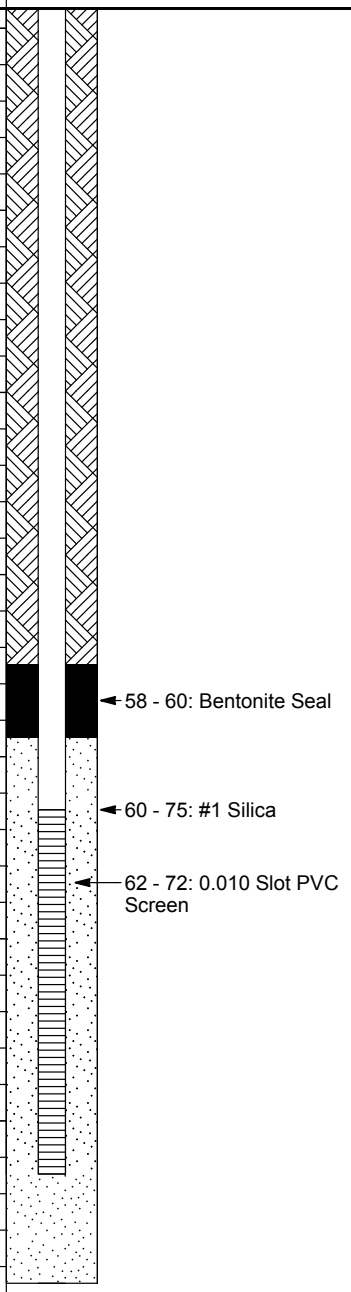
R2-0007431

PROJECT: Cidra Groundwater Contamination Site
LOCATION: Cidra, Puerto Rico

MONITORING WELL NO: **SMW-10**

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	SAMPLE	RECOV. (feet)	BLOW COUNTS	PID (ppm)	ELEV (feet)
		CL	Very stiff, dry to damp, dark reddish brown to brown, pale yellowish brown and some black mottled, very fine sandy to silty Clay. Some medium to coarse sand observed in sample at 41 ' bgs.		2	5 6 8 11	10.9	1335
		CL	Very stiff, dry to damp, dark reddish brown to brown, pale yellowish brown to reddish brown mottled, very fine sandy to silty Clay. Some medium sand observed in sample.		2	4 6 6 6	2.4	1330
50		CL	Stiff, damp to wet, dark reddish brown to brown, pale yellowish brown mottled, very fine sandy Clay. Some medium sand observed in sample.		2	5 5 6 7	8.2	1325
		CL	Very stiff, dry to damp, dark reddish brown to brown, medium to fine sandy Clay.		2	5 6 8 11	0	1320
60		CL	Very stiff, damp to moist, dark reddish brown to brown, pale orange brown mottled, medium to fine sandy Clay. Some coarse sand observed in sample		2	5 6 9 13	0	1315
		CL	Hard, moist to wet, dark reddish brown to brown, pale yellowish brown mottled, medium to coarse sandy Clay.		2	9 15 21 25	0	1310
70		CL	Hard, damp to moist, pale brown to pale yellowish brown, pale orange brown to reddish brown and some black mottled, medium to fine sandy Clay with some angular mafic rock fragments with fine grain texture.		0.8	21 70/6	0	1305
			Highly Weathered Rock (saprolite) described as: Hard, moist to wet, dark greenish gray, pale yellowish brown to dull white mottled, coarse to medium sandy, with abundant angular to very angular mafic rock fragments with fine grain texture, and easily crumble under finger pressure.		0.7	85/6	0	1300
80								1295

WELL CONSTRUCTION



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Lithologic and Monitoring Well Construction Log

PROJECT NO. 3320.004

CIDRA MONITORING WELL LOG CIDRA_4.GPJ LAI-PRE_DESIGN.GPJ 4/4/11 REV.

R2-0007432

PROJECT: Cidra Groundwater Contamination Site
LOCATION: Cidra, Puerto Rico

NO: **SMW-11**

STARTED: 6/8/10 COMPLETED: 6/18/10
DRILLING COMPANY: Jaca & Sierra
DRILLING EQUIPMENT:
DRILLING METHOD: Hollow Stem Auger, In. Dia. Borehole
SAMPLING METHOD: Split Spoon
SURFACE COMPLETION: Abandoned

NORTHING: Feet EASTING: Feet
G.S. ELEVATION: Feet M.P. ELEV:
WATER: TOTAL DEPTH:92.0 Feet
LOGGED BY: H. Chacon CHECKED BY: M. Valentino
HORIZONTAL DATUM: NAD 83, COORD. SYS.: PR/USVI State Plane
VERTICAL DATUM: NGVD 29

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	SAMPLE	RECOV. (feet)	BLOW COUNTS	PID (ppm)	ELEV (feet)	WELL CONSTRUCTION
			Six inches of black top soil with abundant organic matter, followed by very stiff, dry, reddish brown to red Clay.		1.5	5 6 6 7	0		
		CL	Stiff, dry, reddish brown to red silty Clay to Clay.		2	3 2 3 7	5.6		
10		CL	Stiff, dry, reddish brown to red Clay. Abundant black and pale orange brown lineations observed in sample.		2	5 5 6 7	0		
		CL	Stiff, dry to damp, reddish brown to red, pale yellowish orange to brown mottled Clay. Some very fine sand in sample.		2	3 4 5 6	0		
20		CL	Stiff, dry to damp, reddish brown to red, pale yellowish orange to brown mottled Clay.		1.5	3 3 5 5	0		
		CL	Very stiff, damp to moist, dark reddish brown to brown, pale to dark orange brown to dull white mottled Clay, some silt observed in sample.		2	3 5 5 6	0		
30		CL	Very stiff, damp to moist, dark reddish brown to brown, pale dark orange to dull white mottled Clay. Abundant vertical and horizontal lineations presenting black stains and change in color from brown to light brown close to the lineations.		2	3 5 6 8	0		
		CL	Very stiff, wet, dark reddish brown to brown, pale yellowish brown to pale orange brown and some black mottled, very fine sandy to silty Clay.		2	3 4 4 5	0		

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Lithologic and Monitoring Well Construction Log

PROJECT NO. 3320.004

CIDRA MONITORING WELL LOG CIDRA_4.GPJ LAI-PRE_DESIGN.GPJ 4/4/11 REV.

R2-0007433

PROJECT: Cidra Groundwater Contamination Site
LOCATION: Cidra, Puerto Rico
NO:

SMW-11

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	SAMPLE	RECOV. (feet)	BLOW COUNTS	PID (ppm)	ELEV (feet)	WELL CONSTRUCTION
		CL	Stiff, dry to damp, dark reddish brown to brown, pale gray mottled Clay. Abundant vertical and horizontal lineations presenting black stains.		2	3 3 3 6	0		
		CL	Stiff, damp to moist, pale brown to pale reddish brown, black mottled Clay with some very fine sand. Few vertical lineations with black stains observed in sample.		2	2 2 4 6	68		
50		CL	Very stiff, damp to moist, pale brown to brown Clay, some silt observed at 52' bgs. Some horizontal lineations presenting pale brown to black stains observed in sample.		2	4 7 9 9	91		
			Angular to very angular, well indurated, pale gray to blueish gray, fine grain, rock fragments						
		CL	Hard, damp to moist, brown to pale brown, pale orange brown mottled Clay, some silt. Abundant horizontal and nearly vertical lineations with pale brown to black stains observed in sample.		0.2	50/2	0		
60		ML	Hard, damp to moist, brown to pale reddish brown, dull white mottled Silt to clayey Silt. Some nearly vertical lineations with pale brown to black stains observed at 61.5' bgs.		2	32 29 45 50/5	0		
		ML	Hard, damp, dark brown to brown, coarse to fine sandy Silt, some clay observed in sample. Some mafic, angular to very angular, well indurated, rock fragments of fine grain texture observed in sample.		0.5	50/5	0		
70			Angular to very angular, well indurated, dark brown to black, fine grain, rock fragments, with curved fracture plains and some small elongated black crystals.		0.2	50/2.5	0		
		ML	Hard, moist, brown to reddish brown, white to pale orange brown and black mottled, very fine sandy to clayey Silt.		2	4 8 11 14	0		
80		ML	Hard, damp, pale greenish gray to pale greenish brown, pale greenish white to black mottled, very fine sandy to clayey Silt.		1	15 46 50/2	0.4		

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Lithologic and Monitoring Well Construction Log

PROJECT NO. 3320.004

CIDRA MONITORING WELL LOG CIDRA_4.GPJ LAI-PRE_DESIGN.GPJ 4/4/11 REV.

R2-0007434

PROJECT: Cidra Groundwater Contamination Site
LOCATION: Cidra, Puerto Rico
NO:

SMW-11

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	SAMPLE	RECOV. (feet)	BLOW COUNTS	PID (ppm)	ELEV. (feet)	WELL CONSTRUCTION
			Angular to very angular, well indurated, dark gray to black, fine grain, rock fragments with curved fracture plains in a damp, medium to fine sandy Clay matrix.		0.2	50/2	0		
90			Highly weathered rock (saprolite) described as: Angular to very angular, dark greenish brown to black, rock fragments, in a damp, coarse to fine silty to clayey Sand matrix.		0.3	50/3	0		
100									
110									
120									

CIDRA MONITORING WELL LOG CIDRA_4.GPJ LAI-PRE_DESIGN.GPJ 4/4/11 REV.

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Lithologic and Monitoring Well Construction Log

PROJECT NO. 3320.004

R2-0007435

PROJECT: Cidra Groundwater Contamination Site
LOCATION: Cidra, Puerto Rico

NO: **SMW-11A**

STARTED: 6/30/10 COMPLETED: 7/7/10
DRILLING COMPANY: Jaca & Sierra
DRILLING EQUIPMENT:
DRILLING METHOD: Hollow Stem Auger, In. Dia. Borehole
SAMPLING METHOD: Split Spoon
SURFACE COMPLETION: Abandoned

NORTHING: Feet EASTING: Feet
G.S. ELEVATION: Feet M.P. ELEV:
WATER: TOTAL DEPTH:102.0 Feet
LOGGED BY: H.Chacon CHECKED BY: M. Valentino
HORIZONTAL DATUM: NAD 83, COORD. SYS.: PR/USVI State Plane
VERTICAL DATUM: NGVD 29

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	SAMPLE	RECOV. (feet)	BLOW COUNTS	PID (ppm)	ELEV (feet)	WELL CONSTRUCTION
		CL	Six inches of black top soil with abundant organic matter, followed by stiff, dry to damp, dark reddish brown to brown, very fine sandy Clay to Clay. (SMW11 offset at Luis Muñoz Rivera School close to Praxedes)						
		CL	Stiff, dry to damp, dark reddish brown to brown, some pale orange brown to dull white mottled, very fine sandy Clay to Clay.		1.8	3 5 7 9	1600		
10		CL	Stiff, dry to damp, dark reddish brown, pale purple, pale gray and dull white mottled Clay. Few very fine sand observed in sample.		2	2 2 8 5	569		
		CL	Stiff, dry to damp, dark reddish brown, pale purple, pale gray and dull white mottled Clay. Few very fine sand observed in sample.		1.9	2 3 4 5	156		
20		CL	Stiff, dry to damp, dark reddish brown in color, dark purple, pale gray and dull white mottled Clay. Some evidence of what appears to be mineralization with dull white crystals and powdery texture, non reactive with HCl observed in sample.		2	3 3 5 5	0		
		CL	Stiff, dry to damp, reddish brown to pale orange brown, pale gray and black mottled Clay. Abundant horizontal lineations with dark brown to black stains along sample.		2	2 3 3 5	2.8		
30									

CIDRA MONITORING WELL LOG CIDRA_4.GPJ LAI-PRE_DESIGN.GPJ 4/4/11 REV.

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Lithologic and Monitoring Well Construction Log

PROJECT NO. 3320.004

R2-0007436

PROJECT: Cidra Groundwater Contamination Site
LOCATION: Cidra, Puerto Rico
NO: **SMW-11A**

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	SAMPLE	RECOV. (feet)	BLOW COUNTS	PID (ppm)	ELEV (feet)	WELL CONSTRUCTION
50		CL	Stiff, dry to damp, brown to dark brown, pale orange and dull white mottled, Clay, some silt. Few horizontal lineations with black stains observed in sample.		2	2 3 3 4	0.8		
60		CL	Hard, dry, brown to dark brown, pale orange brown to pale gray mottled silty Clay. Few horizontal lineations presenting black stains observed in sample at 62' bgs.		1.9	11 18 26 50/5	1.6		
70		CL	Hard, damp to wet, dark brown to dark grayish brown, clayey Silt. Some mafic, angular to very angular, well indurated, rock fragments of fine grain texture observed in sample.		0.8	26 50/4	300		
80		ML	Hard, dry to damp, dark brown to greenish brown, clayey Silt.		0.5	50/4	>3000		

PROJECT: Cidra Groundwater Contamination Site
LOCATION: Cidra, Puerto Rico
NO: **SMW-11A**

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	SAMPLE	RECOV. (feet)	BLOW COUNTS	PID (ppm)	ELEV (feet)	WELL CONSTRUCTION
		ML	Hard, dry to damp, dark brown to dark reddish brown, Silt, some clay observed in sample. Some dark brown to black, highly weathered, angular to sub angular rock fragments.		0.4	50/4	>3000		
90		ML	Hard, damp to wet, dark brown to brown, coarse to fine sandy to clayey Silt. Some dark brown to black, highly weathered, angular to sub angular rock fragments.		0.4	50/4	0		
		ML	Hard, damp to wet, dark brown to brown, clayey Silt, some medium to fine sand observed in sample. Few well indurated, angular to very angular, dark blue to black, fine grain, rock fragments, with some small dull white crystals observed in sample.		0.2	50/3	0		
100			Angular to very angular, dark blue to black, well indurated, fine grain, rock fragments in a damp clayey silt matrix.		0.2	50/1	>3000		
110									
120									

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Lithologic and Monitoring Well Construction Log

PROJECT NO. 3320.004

CIDRA MONITORING WELL LOG CIDRA_4.GPJ LAI-PRE_DESIGN.GPJ 4/4/11 REV.

R2-0007438

PROJECT: Cidra Groundwater Contamination Site
LOCATION: Cidra, Puerto Rico

MONITORING WELL NO: **SMW-12**

STARTED: 5/11/10 COMPLETED: 5/17/10
DRILLING COMPANY: Jaca & Sierra
DRILLING EQUIPMENT:
DRILLING METHOD: Hollow Stem Auger, In. Dia. Borehole
SAMPLING METHOD: Split Spoon
SURFACE COMPLETION: Steel Flush-mount

NORTHING: 779685.00 Feet EASTING: 750789.57 Feet
G.S. ELEVATION: 1376.7 Feet M.P. ELEV: 1379.15
WATER: TOTAL DEPTH: 92.0 Feet
LOGGED BY: J.Reye CHECKED BY: M. Valentino
HORIZONTAL DATUM: NAD 83, COORD. SYS.: PR/USVI State Plane
VERTICAL DATUM: NGVD 2

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	SAMPLE	RECOV. (feet)	BLOW COUNTS	PID (ppm)	ELEV. (feet)	WELL CONSTRUCTION
		CL	Three (3) inches of black top soil with abundant organic matter, followed by very stiff, dry, brown to orange brown Clay. Some black lineation observed along sample.		1.3	3 7 9 11	0	1375	Flush Mount; 0 - 74: Cement/Bentonite Grout
		CL	Very stiff, dry, reddish brown, fine to very fine sandy Clay, some silt observed in sample. Some medium to coarse sand observed in sample.		1.3	4 6 8 11	0	1370	
10		CL	Very stiff, dry, reddish brown to yellowish orange, white mottled, very fine sandy Clay.		1.4	4 5 8 7	0	1365	0 - 78: 4-inch PVC casing
		CL	Very stiff, damp to moist, reddish brown to yellowish orange, white mottled, very fine sandy Clay, some silt observed in sample. Few lineations showing black stains observed in sample.		1.7	3 4 5 6	0	1360	
20		CL	Stiff, damp to moist, dark reddish brown, pale yellowish brown to pale yellowish white and black mottled, Clay, some silt observed in sample.		1.6	2 2 3 4	0	1355	
		CL	Very stiff, damp to moist, dark reddish brown, pale yellowish brown to pale yellowish white and black mottled, Clay, some silt observed in sample .		2	3 4 7 8	0	1350	
30		CL	Very stiff, dry to damp, dark reddish brown, pale yellowish brown to pale yellowish white and black mottled, Clay, some silt observed in sample.		2	4 6 7 8	0	1345	
		CL	Very stiff, dry to damp, dark reddish brown, pale yellowish brown to pale yellowish white and black mottled, Clay, some silt observed in sample.		2	5 5 8 13	0	1340	

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Lithologic and Monitoring Well Construction Log

PROJECT NO. 3320.004

CIDRA MONITORING WELL LOG CIDRA_4.GPJ LAI-PRE_DESIGN.GPJ 4/4/11 REV.

R2-0007439

PROJECT: Cidra Groundwater Contamination Site

LOCATION: Cidra, Puerto Rico

MONITORING WELL NO: **SMW-12**

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	SAMPLE	RECOV. (feet)	BLOW COUNTS	PID (ppm)	ELEV (feet)
		CL	Very stiff, damp to moist, reddish brown to dark reddish brown, pale yellowish brown to pale yellowish white and black mottled, very fine sandy to silty Clay. Some evidence of what appears to be mineralization at 40.5 ft bgs; presented as small dull white crystals with powdery texture, and non reactive with HCl.		2	5 8 9 12	0	1335
		CL	Stiff, damp to wet, reddish brown to dark reddish brown, pale yellowish brown to pale yellowish white and black mottled, very fine sandy to silty Clay. Some evidence of what appears to be mineralization at 45' to 46.5' bgs interval; presented as small dull white crystals with powdery texture, and non reactive with HCl. Abundant lineations or faults with black stains observed along sample.		2	2 2 3 7	0	1330
50		CL	Very stiff, damp to moist, dark brown to brown, white mottled, Clay with some very fine sand observed in sample.		2	4 4 7 8	0	1325
		CL	Very stiff, moist, dark greenish brown to reddish brown, black and white mottled, very fine sandy Clay to Clay. Some evidence of what appears to be mineralization along nearly vertical fault lines or lineations observed in sample; presented as small dull white crystals non reactive with HCl.		2	2 3 5 9	0	1320
60		CL	Very stiff, damp to moist, dark greenish brown to reddish brown, pale yellowish brown to pale yellowish white mottled, Clay, some silt observed in sample.		2	3 4 7 18	0	1315
		CL	Hard, damp, pale greenish brown to dark brown Clay, black and white lineations observed in sample, showing evidence of what appears to be mineralization (small white crystals , non reactive with HCl).		2	10 14 13 19	0	1310
70		CL	Hard, damp, dark greenish brown to pale yellowish orange brown mottled Clay, some silt in sample. Black and white lineations observed in sample, showing evidence of what appears to be mineralization (small white crystals , non reactive with HCl).		2	7 12 20 22	0	1305
		ML	Hard, damp to wet, dark greenish brown to dark brown, white to dull white and black mottled clayey Silt.		0.7	29 50/6	0	1300
80		ML	Hard, wet, dark greenish brown to dark brown, white mottled clayey Silt. Some black lineations observed in sample.		1.1	14 50/6	0	1295

WELL CONSTRUCTION

- 74 - 76: Bentonite Seal
- 76 - 90: #1 Silica
- 78 - 88: 0.010 Slot PVC Screen

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Lithologic and Monitoring Well Construction Log

PROJECT NO. 3320.004

CIDRA MONITORING WELL LOG CIDRA_4.GPJ LAI-PRE_DESIGN.GPJ 4/4/11 REV.

R2-0007440

PROJECT: Cidra Groundwater Contamination Site

LOCATION: Cidra, Puerto Rico

MONITORING WELL NO: **SMW-12**

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	SAMPLE	RECOV. (feet)	BLOW COUNTS	PID (ppm)	ELEV (feet)	WELL CONSTRUCTION
		ML	Hard, wet, dark greenish brown to dark brown, dark brown to brown and black mottled very fine sandy to clayey Silt.		0.4	50/4	0	1290	
90			Highly Weathered Rock, (saprolite) described as: Hard, wet, dark greenish brown to dark brown, black mottled, clayey Silt matrix, with abundant dark brown to black, angular to very angular, rock fragments with fine grain texture, easily crumbles under finger pressure.		0.3	50/3	0	1285	
								1280	
100								1275	
								1270	
110								1265	
								1260	
120								1255	
								1250	

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Lithologic and Monitoring Well Construction Log

PROJECT NO. 3320.004

CIDRA MONITORING WELL LOG CIDRA_4.GPJ LAI-PRE_DESIGN.GPJ 4/4/11 REV.

R2-0007441

PROJECT: Cidra Groundwater Contamination Site

LOCATION: Cidra, Puerto Rico

MONITORING WELL NO: **SMW-2**

STARTED: 5/25/10 COMPLETED: 6/4/10
DRILLING COMPANY: Jaca & Sierra
DRILLING EQUIPMENT:
DRILLING METHOD: Hollow Stem Auger, In. Dia. Borehole
SAMPLING METHOD: Split Spoon
SURFACE COMPLETION: Steel Flush-mount

NORTHING: 780101.34 Feet EASTING: 750883.74 Feet
G.S. ELEVATION: 1383.78 Feet M.P. ELEV: 1383.61
WATER: TOTAL DEPTH: 108.0 Feet
LOGGED BY: H. Chacon CHECKED BY: M. Valentino
HORIZONTAL DATUM: NAD 83, COORD. SYS.: PR/USVI State Plane
VERTICAL DATUM: NGVD 29

DEPTH (feet)	USCS	DESCRIPTION	SAMPLE	RECOV. (feet)	BLOW COUNTS	PID (ppm)	ELEV (feet)
	SC	Fill material described as: Stiff, dry, reddish brown to brown, yellowish brown mottled, fine to very fine sandy Clay with some rock fragments.		0			
	CL	Hard, dry, dark brown to dark reddish brown, Clay, some very fine sand observed in sample.		2	6 9 11 13	0	1380
10	SC	Very stiff, dry to damp, dark brown to light brown, medium to fine sandy Clay.		2	5 6 8 9	719	1375
	CL	Very stiff, dry to damp, brown to reddish brown, pale yellowish to orange brown mottled Clay, some medium to fine sand.		2	4 5 6 8	22	1370
20	CL	Very stiff, dry to damp, dark reddish brown to light greenish brown, dull white to pale yellowish brown mottled Clay, some very fine sand observed in sample.		2	4 6 8 9	85	1365
	CL	Firm, damp to moist, dark reddish brown to dark purple brown, dark gray to pale yellowish brown mottled Clay, some medium to fine sand observed in sample.		2	3 4 6 6	22	1360
30	CL	Stiff, damp, dark reddish brown, pale brown, white and black mottled Clay, few very fine sand observed in sample. Abundant black stains along sample.		2	3 3 5 5	15	1355
	CL	Stiff, damp, reddish brown, pale yellowish brown to pale gray, white and black mottled Clay, some very fine sand observed in sample. What appears to be an old fracture structure with evidence of mineralization observed at 37 ft bgs. White to yellowish white very small crystals with powdery appearance and dark gray to greenish gray color observed in contact		2	3 4 4 6	3	1350 1345

WELL CONSTRUCTION

Flush Mount

0 - 78: Cement/Bentonite Grout

0 - 94: 4-inch PVC casing

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Lithologic and Monitoring Well Construction Log

PROJECT NO. 3320.004

CIDRA MONITORING WELL LOG CIDRA_4.GPJ LAI-PRE_DESIGN.GPJ 4/4/11 REV.

R2-0007442

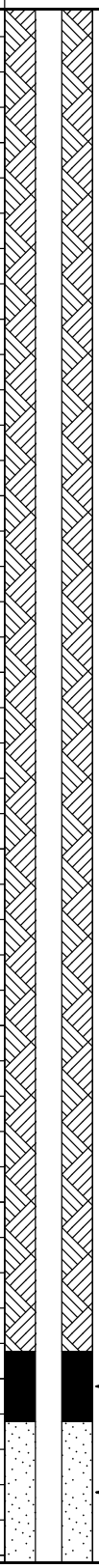
PROJECT: Cidra Groundwater Contamination Site

LOCATION: Cidra, Puerto Rico

MONITORING WELL NO: **SMW-2**

DEPTH (feet)	USCS	DESCRIPTION	SAMPLE	RECOV. (feet)	BLOW COUNTS	PID (ppm)	ELEV (feet)
	CL	with the surrounding clay were observed oriented 45° from horizontal at these fractures. These fracture structures are approximately four inches long and one half inch in thickness. Stiff, dry to damp, dark brown to dark reddish brown, black and white mottled Clay, some very fine sand in sample. What appears to be an old fracture structure or lineations withblack stains observed in sample from 41 ft bgs to 42 ft bgs.		2	4 4 5 6	0	
	CL	Very stiff, dry to damp, reddish brown to brown, greenish gray to pale yellowish orange and black mottled Clay, few very fine sand. Abundant lineations or fault planes presenting black stains observed in sample.		2	4 4 7 10	0	1340
50	CL	Very stiff, damp to moist, dark brown to light brown, orange to gray mottled Clay, some medium to fine sandy in sample. Abundant black stains and some evidence of what appears to be mineralization observed at 52 ft bgs. White to dull white small crystals with powdery appearance observed in sample at this depth.		2	5 6 9 14	24.8	1335
	CL	Hard, damp to moist, pale reddish brown to reddish brown, orange to pale orange and white mottled Clay, few very fine sandy in sample. Change of color from reddish brown to pale greenish gray is common along sample.		2	5 6 9 17	3	1330
60	CL	Hard, damp to moist, pale brown to greenish brown, pale reddish brown to white mottled, medium to fine sandy to silty Clay. Abundant evidence of what appears to be mineralization along faults or lineations filled with white crystals of powdery texture and black stains non reactive with HCl observed in sample		2	9 12 14 15	0	1325
	CL	Hard, damp to moist, pale brown to greenish brown, pale brown to white and black mottled, Clay to silty Clay. Some very fine sand in sample. Abundant evidence of lineations with black stains observed in sample.		2	4 6 12 21	0	1320
70	CL	Hard, damp to moist, pale orange brown to pale yellowish brown to greenish gray, dull white to black mottled, medium to fine sandy to silty Clay. Some evidence of lineations with black stains observed in sample.		2	18 19 38 45	0	1315
	CL	Hard, damp to moist, pale gray to light brown, reddish brown to white and some black mottled Clay, some silt in sample. Some evidence of lineations with black stains observed.		2	12 13 17 20	0	1310
80	CL	Hard, wet, light brown to pale greenish gray, dull white and black mottled very fine sandy to silty Clay. Some evidence of lineations with black stains observed in sample.		2	15 32 50/4	0	1305
							1300

WELL CONSTRUCTION



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Lithologic and Monitoring Well Construction Log

PROJECT NO. 3320.004

CIDRA MONITORING WELL LOG CIDRA_4.GPJ LAI-PRE_DESIGN.GPJ 4/4/11 REV.

R2-0007443

PROJECT: Cidra Groundwater Contamination Site
LOCATION: Cidra, Puerto Rico

MONITORING WELL NO: **SMW-2**

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	SAMPLE	RECOV. (feet)	BLOW COUNTS	PID (ppm)	ELEV. (feet)
90		CL	Hard, damp to moist, dark brown to pale greenish gray brown, silty Clay to clayey Silt. Some lineations with black stains observed in sample from 85.5' to 86' bgs.		2	14 43 50/4	0	125
		ML	Hard, damp to moist, brown to dark brown, pale greenish white to pale reddish brown and black mottled, fine to very fine sandy to clayey Silt.		2	20 30 50/4	0	120
		CL	Hard, damp to moist, brown to dark brown with few bands changing from brown to pale greenish gray to yellowish brown with few dark purple brown stains, clayey Silt, some very fine sand at 96 ft bgs.		1.5	29 29 50/4	0	125
100		CL	Hard, damp, dark brown to brown, pale greenish brown to dull white mottled, very fine sandy Silt, some clay. Few highly weathered rock fragments in silt matrix observed.		1.1	21 50/4	60	120
			Highly weathered rock (saprolite) described as: Hard, moist to wet, dark brown to brown, coarse to fine sandy Silt, some clay. Abundant angular to very angular mafic rock fragments with fine grain texture, and easily crumble under finger pressure.		0.5	50/3	0	125
110					0			120
120								120

WELL CONSTRUCTION

94 - 104: 0.010 Slot PVC Screen

CIDRA MONITORING WELL LOG CIDRA_4.GPJ LAI-PRE_DESIGN.GPJ 4/4/11 REV.

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Lithologic and Monitoring Well Construction Log

PROJECT NO. 3320.004

R2-0007444

PROJECT: Cidra Groundwater Contamination Site

LOCATION: Cidra, Puerto Rico

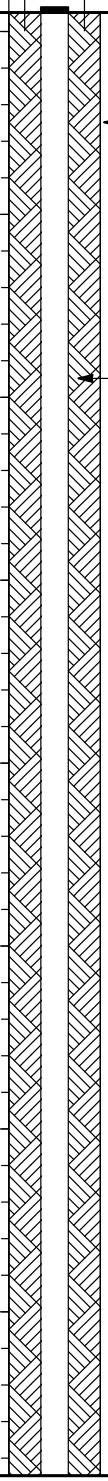
MONITORING WELL NO: **SMW-3**

STARTED: 5/20/10 COMPLETED: 5/24/10
DRILLING COMPANY: Jaca & Sierra
DRILLING EQUIPMENT:
DRILLING METHOD: Hollow Stem Auger, In. Dia. Borehole
SAMPLING METHOD: Split Spoon
SURFACE COMPLETION: Steel Flush-mount

NORTHING: 779801.50 Feet EASTING: 750631.32 Feet
G.S. ELEVATION: 1370.52 Feet M.P. ELEV: 1370.29
WATER: TOTAL DEPTH: 77.0 Feet
LOGGED BY: H. Chacon CHECKED BY: M. Valentino
HORIZONTAL DATUM: NAD 83, COORD. SYS.: PR/USVI State Plane
VERTICAL DATUM: NGVD 29

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	SAMPLE	RECOV. (feet)	BLOW COUNTS	PID (ppm)	ELEV (feet)
		CL	Stiff, dry to damp, pale brown to pale gray, very fine sandy clay.					1370
		CL	Stiff, dry to damp, pale brown to pale gray, very fine sandy clay.		1.7	3 4 5 6	0	1365
10		CL	Very stiff, dry to damp, reddish brown to pale gray, dark reddish brown to black mottled, medium to fine sandy Clay to Clay.		2	4 6 8 9	0	1360
		CL	Very stiff, dry to damp, reddish brown to dark reddish brown, white, pale yellowish brown and black mottled, very fine sandy Clay to Clay.		2	4 6 6 6	0	1355
20		CL	Firm, dry to damp, reddish brown to dark reddish brown, pale yellowish brown to pale reddish brown and black mottled, very fine sandy Clay.		2	3 3 2 3	0	1350
		CL	Firm, damp to moist, reddish brown to dark reddish brown, pale orange brown to dull white and black mottled, very fine sandy Clay. Irregular lineations or faults along sample with dark brown to black stains observed		2	2 2 3 3	0	1345
30		CL	Stiff, damp to moist, pale brown to dark brown, dull white and black mottled, very fine sandy Clay to Clay.		2	2 3 3 4	0	1340
		CL	Stiff, damp to moist, pale brown to brown, dull white , pale gray and black mottled, very fine sandy Clay to Clay.		2	3 4 5 6	0	1335

WELL CONSTRUCTION



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Lithologic and Monitoring Well Construction Log

PROJECT NO. 3320.004

CIDRA MONITORING WELL LOG CIDRA_4.GPJ LAI-PRE_DESIGN.GPJ 4/4/11 REV.

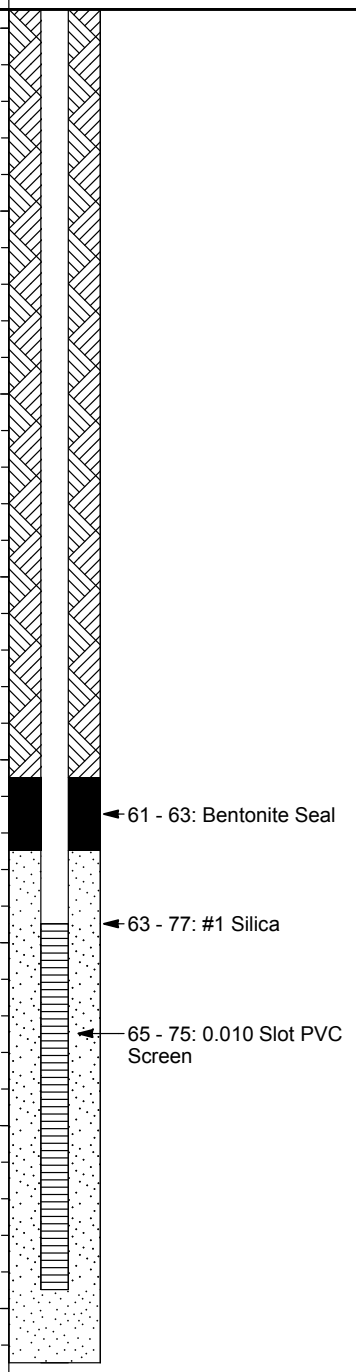
R2-0007445

PROJECT: Cidra Groundwater Contamination Site

LOCATION: Cidra, Puerto Rico

MONITORING WELL NO: **SMW-3**

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	SAMPLE	RECOV. (feet)	BLOW COUNTS	PID (ppm)	ELEV (feet)
		CL	Stiff, damp to moist, dark brown, dull white and gray mottled, very fine sandy Clay to Clay. Abundant lineations or faults along sample with dark brown to black color stains observed.		2	3 4 4 7	0	1330
		CL	Very stiff, damp to moist, dark brown to light brown, dull white and pale orange brown mottled, very fine sandy Clay to Clay. Abundant lineations or faults along sample with dark brown to black color stains observed.		2	3 5 7 10	0	1325
50		CL	Very stiff to hard, damp to moist, brown to light brown to dull white, gray, black and dark reddish brown mottled, very fine sandy to silty Clay. What appears to be hard mineral deposits, white to greenish white in color, non reactive in presence of HCl , was observed at 50' 10" bgs.		2	4 6 10 14	0	1320
		CL	Hard, moist to wet, light brown to dark reddish brown, reddish brown to greenish gray, dull white and black mottled, fine to very fine sandy to silty Clay. What appears to be abundant lineations or faults along sample filled with white to greenish white mineral deposits, non reactive in presence of HCl observed.		2	5 6 8 11	0	1315
60		SC	Hard, damp to moist, light brown to brown, reddish brown to pale gray and white mottled, medium to fine sandy Clay to sandy Silt.		2	12 18 30 48	0	1310
		ML	Hard, damp to moist, light brown to brown, reddish brown to pale gray and white mottled, fine to very fine sandy Silt, some clay observed in sample.		2	12 17 21 46	0	1305
70		ML	Hard, moist to wet, light brown to brown, reddish brown, pale gray and white mottled, medium to fine sandy Silt.		0.8	45 50/3	0	1300
			Highly Weathered Rock (saprolite) described as:Very dense, wet, dark brown to dark reddish brown, dull white to black mottled, coarse to fine silty to clayey Sand. Abundant angular to very angular mafic rock fragments with fine grain texture.		0.6	50/6	0	1295
80								1290



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Lithologic and Monitoring Well Construction Log

PROJECT NO. 3320.004

CIDRA MONITORING WELL LOG CIDRA_4.GPJ LAI-PRE_DESIGN.GPJ 4/4/11 REV.

R2-0007446

PROJECT: Cidra Groundwater Contamination Site

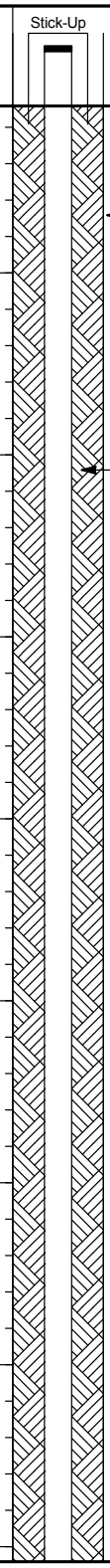
LOCATION: Cidra, Puerto Rico

MONITORING WELL NO: **SMW-5**

STARTED: 4/23/10 COMPLETED: 4/29/10
DRILLING COMPANY: Jaca & Sierra
DRILLING EQUIPMENT:
DRILLING METHOD: Hollow Stem Auger, In. Dia. Borehole
SAMPLING METHOD: Split Spoon
SURFACE COMPLETION: Steel Stickup

NORTHING: 779199.51 Feet EASTING: 750691.14 Feet
G.S. ELEVATION: 1369.58 Feet M.P. ELEV: 1372.18
WATER: TOTAL DEPTH: 77.0 Feet
LOGGED BY: J.Reyes CHECKED BY: M. Valentino
HORIZONTAL DATUM: NAD 83, COORD. SYS.: PR/USVI State Plane
VERTICAL DATUM: NGVD 29

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	SAMPLE	RECOV. (feet)	BLOW COUNTS	PID (ppm)	ELEV (feet)
			Fill Material described as: Very stiff, dry, brown, fine sandy to silty Clay with abundant angular rock fragments.		1.3	6 8 8 8	0.9	
		CL	Very stiff, dry, reddish brown, silty Clay with some fine sandy and few angular rock fragments.		1.5	5 8 9 10	0.9	1365
10		CL	Stiff, dry, yellowish brown, red and black mottled, silty Clay with some very fine sand.		1.3	4 4 4 5	0.5	1360
		CL	Firm, dry, yellowish brown to red, black and white mottled, fine to very fine sandy Clay with some silt.		1.8	2 2 3 4	0.1	1355
20		CL	Firm to stiff, damp, yellowish brown, black and white mottled, fine to very fine sandy Clay with some silt.		2	1 2 3 3	0.3	1350
		CL	Stiff, damp, yellowish brown, black and white mottled, fine to very fine sandy Clay with some silt.		2	1 2 3 3	0.3	1345
30		CL	Stiff, dry to damp, yellowish brown, gray and white mottled, fine to very fine sandy Clay with traces of silt.		2	3 3 4 8	0.3	1340
		CL	Dense, dry to damp, yellowish brown, black and white mottled, fine to very fine clayey Sand with some silt.		0.9	22 22 10 7	0.3	1335
								1330



WELL CONSTRUCTION

CDM
1225 Ponce de Leon Ave. Suite 603
San Juan, PR 00907
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Fax: 787-722-6607

Lithologic and Monitoring Well Construction Log

PROJECT NO. 3320.004

CIDRA MONITORING WELL LOG CIDRA_4.GPJ LAI-PRE_DESIGN.GPJ 4/4/11 REV.

R2-0007447

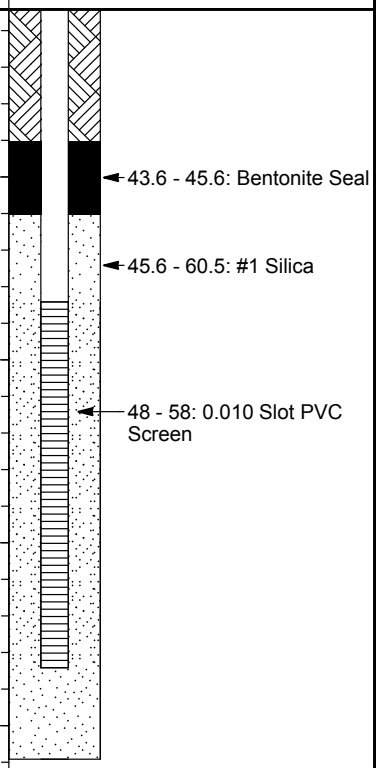
PROJECT: Cidra Groundwater Contamination Site

LOCATION: Cidra, Puerto Rico

MONITORING WELL NO: **SMW-5**

DEPTH (feet)	USCS	DESCRIPTION	SAMPLE	RECOV. (feet)	BLOW COUNTS	PID (ppm)	ELEV (feet)
	SC	Very firm, dry to damp, yellowish brown, black and white mottled, fine to very fine clayey Sand with some silt.		2	8 7 6 6	0	
	SC	Very dense, damp to moist, yellowish brown, gray and white mottled, fine to very fine clayey Sand with traces of silt.		2	12 13 19 19	0	1325
50	SC	Dense, moist to wet, yellowish brown, black, gray and white mottled, fine to very fine clayey Sand with some silt.		1.1	7 9 13 13	0	1320
	SC	Dense, moist to wet, yellowish brown, black, gray and white mottled, fine to very fine clayey Sand with some silt and rock fragments .		1.6	16 11 11 15	0	1315
60	SC	Dense to very dense, moist to wet, yellowish brown, black and white mottled, fine to very fine clayey Sand with some rock fragments .		1.4	38 75/4	0	1310
	SC	Dense to very dense, dry, yellowish brown, black and gray mottled, medium to coarse silty to clayey Sand with some rock fragments.		0.4	70/5	0	1305
70		Highly Weathered Rock (saprolite) described as: Dense to very dense, dry, brown to yellowish brown, black, greenish yellow and gray mottled, medium to coarse clayey Sand with some rock fragments .		0.3	70/3	0	1300
		Highly Weathered Rock (saprolite) described as: Dense to very dense, dry, brown, black and gray mottled, medium to coarse clayey Sand with rock fragments .		0.2	70/2	0	1295
80							1290

WELL CONSTRUCTION



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Lithologic and Monitoring Well Construction Log

PROJECT NO. 3320.004

CIDRA MONITORING WELL LOG CIDRA_4.GPJ LAI-PRE_DESIGN.GPJ 4/4/11 REV.

R2-0007448

PROJECT: Cidra Groundwater Contamination Site

LOCATION: Cidra, Puerto Rico

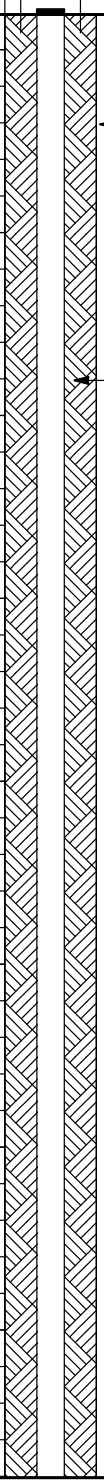
MONITORING WELL NO: **SMW-9**

STARTED: 6/22/10 COMPLETED: 6/28/10
DRILLING COMPANY: Jaca & Sierra
DRILLING EQUIPMENT:
DRILLING METHOD: Hollow Stem Auger, In. Dia. Borehole
SAMPLING METHOD: Split Spoon
SURFACE COMPLETION: Steel Flush-mount

NORTHING: 779219.25 Feet EASTING: 751022.35 Feet
G.S. ELEVATION: 1375.96 Feet M.P. ELEV: 1375.7
WATER: TOTAL DEPTH: 94.6 Feet
LOGGED BY: J.Reyes CHECKED BY: M. Valentino
HORIZONTAL DATUM: NAD 83, COORD. SYS.: PR/USVI State Plane
VERTICAL DATUM: NGVD 29

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	SAMPLE	RECOV. (feet)	BLOW COUNTS	PID (ppm)	ELEV (feet)
		CL	Three inches of black top soil with abundant organic matter, followed by very stiff, damp, dark reddish brown Clay.		2	2 3 7 6	0	1375
		CL	Very stiff, damp to wet, dark reddish, very fine sandy Clay. Some medium to coarse sand observed in sample.		2	2 7 8 7	0	1370
10		CL	Soft, damp, reddish brown to brown, white mottled, very fine sandy Clayey. Few lineations with pale yellowish brown color with black stains observed in sample.		1.2	1 1 1 3	30	1365
		CL	Stiff, damp, reddish brown to pale orange brown, black and white mottled, very fine sandy Clayey. Abundant vertical lineations along sample length as well as horizontal lineations (in less abundance) with black stains observed in sample.		2	2 3 3 5	75	1360
20		CL	Very stiff, damp, brown to reddish brown, pale brown to pale orange brown and black mottled, very fine sandy Clay. Abundant vertical lineation's along sample length as well as horizontal (in less concentration per sample area) presenting black stains observed in sample.		2	3 5 5 6	15	1355
		CL	Hard, dry to damp, dark reddish brown to pale reddish brown, pale orange brown to black mottled, very fine sandy Clay. Some evidence of what appears to be mineralization at 26' bgs, described as small dull white crystals with powdery texture, non reactive with HCl.		2	4 7 11 12	48.9	1350
30		CL	Hard, damp, pale brown to brown, pale orange brown to black mottled, very fine sandy Clay. Some silt observed in sample.		2	5 11 12 14	2999	1345
		CL	Hard, damp, pale brown to brown, pale orange brown to black mottled, very fine sandy Clay. Some evidence of what appears to be mineralization, described as small dull white crystals with powdery texture, non reactive with HCl observed in sample.		2	5 6 11 20	266	1340

WELL CONSTRUCTION



CIDRA MONITORING WELL LOG CIDRA_4.GPJ LAI-PRE_DESIGN.GPJ 4/4/11 REV.

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Lithologic and Monitoring Well Construction Log

PROJECT NO. 3320.004

R2-0007449

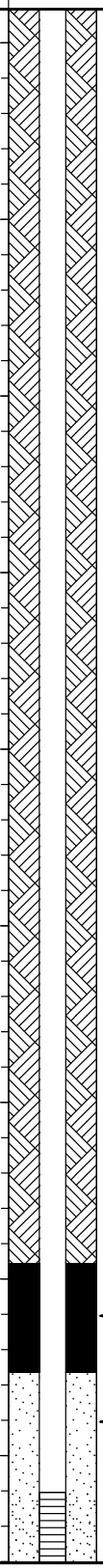
PROJECT: Cidra Groundwater Contamination Site

LOCATION: Cidra, Puerto Rico

MONITORING WELL NO: **SMW-9**

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	SAMPLE	RECOV. (feet)	BLOW COUNTS	PID (ppm)	ELEV (feet)
		CL	Hard, dry to damp, pale brown to brown, pale orange brown to black mottled, very fine sandy Clay. Some lineations along sample length presenting black stains observed in sample.		2	6 12 15 16	245	1335
		CL	Hard, damp to moist, dark brown to pale brown, coarse to fine sandy Clay. Abundant silt observed in sample. Few angular to sub angular, coarse sand, dark brown to black, highly weathered rock fragments . Some vertical lineations (along sample length) showing black stains observed in sample at 46 ft. bgs and filled with small dull white crystals, approximately four inches long and non reactive with HCl.		1.7	10 11 15 15	50	1330
50		CL	Hard, damp to moist, brown to dark brown, very fine sandy to silty Clay. Few angular to sub angular, dark brown to black, highly weathered rock fragments, coarse sand in size.		2	4 9 10 17	45	1325
		CL	Very stiff, wet, pale brown to pale greenish brown, pale orange brown and dull white mottled, very fine sandy to silty Clay. Some angular to sub angular highly weathered rock fragments dark brown in color. Few well indurated mafic, fine grain, igneous rock fragments observed at 57' bgs.		2	2 3 4 9	20.9	1320
60		CL	Hard, damp, pale greenish brown, pale orange brown and dull white mottled, silty Clay. Some very fine sand observed in sample.		2	8 7 15 18	20	1315
		ML	Hard, wet, brown to dark brown, clayey Silt. Abundant medium to fine sand observed in sample. Some heavily weathered , angular to sub angular dark brown rock fragments at 66' bgs. Some pale orange brown and white mottled color, observed at 67'bgs.		2	19 35 37 50/5	1650	1310
70		ML	Hard, wet, brown to dark brown, some pale orange brown to black mottled, clayey Silt. Abundant medium to fine sand observed in sample.		2	9 17 22 24	69.5	1305
		ML	Hard, wet, brown to pale greenish brown, pale orange brown to dull white mottled, clayey Silt. Few very fine sand observed in sample. Some highly weathered , angular to sub angular dark brown rock fragments at 77' bgs.		2	12 13 17 23	2261	1300
80		ML	Hard, wet, brown to pale brown, clayey Silt. Abundant medium to fine sand observed in sample. Abundant highly weathered, dark brown, angular to sub angular rock fragments.		1	36 50/6	78	1295

WELL CONSTRUCTION



75.5 - 78.6: Bentonite Seal

78.6 - 94.6: #1 Silica

CIDRA MONITORING WELL LOG CIDRA_4.GPJ LAI-PRE_DESIGN.GPJ 4/4/11 REV.

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Lithologic and Monitoring Well Construction Log

PROJECT NO. 3320.004

R2-0007450

PROJECT: Cidra Groundwater Contamination Site

LOCATION: Cidra, Puerto Rico

MONITORING WELL NO: **SMW-9**

DEPTH (feet)	GRAPHIC LOG	USCS	DESCRIPTION	SAMPLE	RECOV. (feet)	BLOW COUNTS	PID (ppm)	ELEV (feet)	WELL CONSTRUCTION
		ML	Hard, wet, dark brown to brown, clayey Silt. Some highly weathered, dark brown, angular rock fragments easily crumble under finger pressure.		2	15 22 27 50/5	200	1290	82 - 92: 0.010 Slot PVC Screen
90			Highly Weathered Rock (saprolite) described as: Hard, wet, brown to light brown, fine to very fine sandy to silty Clay matrix, with abundant dark brown to brown, angular to very angular, mafic rock fragments with fine grain texture, easily crumbles under finger pressure.		0.5	50/5	488	1285	
					0		0		
			Highly Weathered Rock (saprolite) described as: Hard, wet, brown to light brown, fine to very fine sandy to silty Clay matrix, with abundant dark brown to brown, angular to very angular, mafic rock fragments with fine grain texture, and easily crumble under finger pressure.					1280	
100								1275	
								1270	
110								1265	
								1260	
120								1255	
								1250	

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Lithologic and Monitoring Well Construction Log

PROJECT NO. 3320.004

CIDRA MONITORING WELL LOG CIDRA_4.GPJ LAI-PRE_DESIGN.GPJ 4/4/11 REV.

R2-0007451

Appendix C-2 – Soil Boring Logs

LOG OF BORING NO. CCSB-01

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779214.488 Feet**
EASTING: **751023.124 Feet**
DATE STARTED: **November 8, 2007**
DATE COMPLETED: **November 8, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

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SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	4			0		0	CL		0'-1' Dark brown clay,dry. (Sample: CCSB-01-A, 0'-1')	
								CL		1'-4': Reddish-brown clay, moist, no odor.	
2	4	2			0		5	CL		4'-6' Dark brown clay,dry (Sample: CCSB-01-B,5'-7')	Grainsize, TOC, pH collected
3	4	3.5			0		10	CL		8'-12':Reddish-brown clay, moist, no odor.	
							15			No cores collected	
4	4	2.33			0		20	CL		20'-22.33': Reddish-brown clay with black mottling, moist, no odor.	
							25			No cores collected	
5	4	2.25			0		40	CL		40'-44': Reddish-brown clay with black mottling, moist, no odor.(Sample: CCSB-09-C, 41'-43')	
							45			No cores collected	
6	4	4			0		60	CL		60'-64': Reddish-brown clay with black mottling, moist, no odor.	
							65				
7	4	3.5			0		75	CL		72'-74': Light brown sandy clay, dry with white mottling, no odor.(Sample CCSB-09-D, 72'-74')	Grainsize, TOC, pH collected
										Boring completed at 77.5 feet bgs.	

NOTES: **Location: CC Label**

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1225 Ponce de Leon Ave.
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San Juan, PR 00907
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LOG OF BORING CCSB-01

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. CCSB-02

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779207.215 Feet**
EASTING: **751046.28 Feet**
DATE STARTED: **November 8, 2007**
DATE COMPLETED: **November 8, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

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SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0				
1	4	4			0					0'-4' FILL: Reddish- brown clay, stiff fine sandy clay, rock fragments, organic matter, dry. (Sample CCSB-02-A, 0'-1')	
2	4	4			0		5	CL		4'-8' Reddish brown fine sandy clay with tan mottle fine sandy clay throughout, dry	
3	4	4			0		10	CL		8'-12': Reddish brown fine sandy clay with tan mottle fine sandy clay throughout, dry. (Sample CCSB-02-B, 9'-11')	
										No cores collected	
							15				
4	4	4			0		20	CL		20'-24': Reddish brown fine sandy clay with tan mottled fine sandy clay throughout, dry. (Sample CCSB-02-C, 21'-23' and duplicate CCSB-102-C, 21'-23')	Grain size, TOC, pH collected
										No cores collected	
							25				
							30				
							35				
5	4	4			0		40	CL		40'-44': Reddish brown fine sandy clay with tan mottled fine sandy clay throughout, dry.	
							45				
							50				
6	4	4			0		55	CL		53'-57': Reddish brown fine sandy clay with tan mottled fine sandy clay throughout, dry. (Sample CCSB-02-D, 55'-57')	Grain size, TOC, pH collected
										Boring completed at 57 feet bgs.	

NOTES: **Location: CC Label**

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LOG OF BORING CCSB-02

LOG A EWNL02 LOG OF BORING - CIDRA_CIDRA.GPJ_STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. CCSB-03

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779320.456 Feet**
EASTING: **751074.8 Feet**
DATE STARTED: **November 9, 2007**
DATE COMPLETED: **November 9, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

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SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0				
1	4	4			0			CL		0'-4': Reddish brown clay moist. (Sample CCSB-03-A, 0'-1')	
2	4	4			0		5	CL		4'-8': Reddish brown clay, with some black mottling, moist.	
3	4	4			0		10	CL		8'-12': Reddish brown clay,with some black mottling, moist (Sample CCSB-03-B, 9'-11')	
							15			No cores collected	
4	4	4			0		20	CL		20'-23': Reddish brown clay,with some black mottling, moist (Sample CCSB-03-C, 21'-23', Duplicate CCSB-103-C, 21'-23')	
							25			No cores collected	
							30				
							35				
							40	CL		40'-44': Reddish-brown clay with black mottling, moist, very plastic.	
5	4	4			0		45			No cores collected	
							50				
							55				
6	4	4			0		60	CL		60'-64': Light brown sandy clay with rock fragments, moist. (Sample CCSB-03-D, 62'-64')	
										Boring completed at 64 feet bgs.	

NOTES: **Location: CC Label**

CDM Smith
1225 Ponce de Leon Ave.
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LOG OF BORING CCSB-03

LOG A EWNL02 LOG OF BORING - CIDRA_CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

R2-0007455

LOG OF BORING NO. CCSB-04

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779362.736 Feet**
EASTING: **751056.369 Feet**
DATE STARTED: **November 9, 2007**
DATE COMPLETED: **November 9, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	4			0		0	CL		0'-4': Reddish brown clay moist. (Sample CCSB-04-A, 0'-1')	
2	4	4			0		5	CL		4'-8': Reddish brown clay, with some black mottling, moist. (Sample CCSB-04-B, 5'-7', Duplicate CCSB-104-B, 5'-7')	
3	4	4			0		10	CL		8'-12': Reddish brown clay,with some black mottling, moist	
							15			No cores collected	
4	4	3			0		20	CL		20'-23': Reddish brown clay,with some black mottling, moist (Sample CCSB-04-C, 21'-23')	
							25			No cores collected	
							30				
							35				
5	4	4			0		40	CL		40'-44': Reddish-brown clay with black mottling, moist, very plastic.	
							45			No cores collected	
							50				
							55				
6	4	4			0		60	CL		60'-63': Light brown clay with reddish brown mottling, moist, very plastic. (Sample CCSB-04-D.62'-64')	
								CL		63'-64': Light brown sandy to silty clay with rock fragments, moist.	
										Boring completed at 64 feet bgs.	

NOTES: **Location: CC Label**

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LOG OF BORING CCSB-04

LOG A EWNL02 LOG OF BORING - CIDRA_CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

R2-0007456

LOG OF BORING NO. CCSB-05

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779386.243 Feet**
EASTING: **750972.901 Feet**
DATE STARTED: **November 12, 2007**
DATE COMPLETED: **November 12, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Hand Auger**
SAMPLING METHOD: **Hand Auger**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0				
1	4	4			0		2	CL		0'-4': Reddish brown clay with tan mottling, moist. (Sample CCSB-05-A, 0'-1'. CCSB-05-B, 2'-4')	Grainsize, TOC, pH collected
		1.5			0		4 5	CL		4'-5.5':Reddish brown clay with tan mottling, moist. (Sample CCSB-05-B,4'-5.5')	
2	4									Boring completed at 5.5 feet bgs	

NOTES: **Location: CC Label**

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LOG OF BORING CCSB-05

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. CCSB-06

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779396.702 Feet**
EASTING: **750918.511 Feet**
DATE STARTED: **November 12, 2007**
DATE COMPLETED: **November 12, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Hand Auger**
SAMPLING METHOD: **Hand Auger**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0				
		2.5			0		1	CL		0'-2':Dark brownish red clay, moist . (Sample CCSB-06-A, 0'-1'.)	Grain size, TOC, pH collected
1	4						2	CL		2'-2.5': Light brown sandy clay, moist (Sample CCSB-06-B, 1'-2.5')	Grain size, TOC, pH collected
										Boring completed at 2.5 feet bgs	

NOTES: **Location: CC Label**

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LOG OF BORING CCSB-06

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. CCSB-07

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **Feet**
EASTING: **Feet**
DATE STARTED: **November 12, 2007**
DATE COMPLETED: **November 12, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Hand Auger**
SAMPLING METHOD: **Hand Auger**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM:
HORIZONTAL DATUM:
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	4			0		0–4	CL		0'-4': Dark brownish red clay,moist (Sample CCSB-07-A, 0-1'. CCSB-07-B,2'-4')	
		1.5			0		4–5	CL		4'-5': Light brownish red clay, moist (SampleCCSB-07-C,4'-5')	
							5	CL		5'-5.5': Light brown medium to coarse sand, moist.	
2	4									Boring completed at 5.5 feet bgs	

NOTES: **Location: CC Label**

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LOG OF BORING CCSB-07

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. CCSB-08

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779375.105 Feet**
EASTING: **750815.913 Feet**
DATE STARTED: **November 6, 2007**
DATE COMPLETED: **November 6, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	4			0		0	CL		0'-1': Grass, top soil, leave and organic matter, dry 1'-4': Orange-red clay, moist, no odor.(Sample: CCSB-08-A, 0'-1')	
2	4	4			0		5	CL		4'-8': Orange-red clay with some black mottled weathered clay veins thought the core, moist, no odor	
3	4	4			0		10	CL		8'-12': Orange-red clay with some black and tan mottled weathered clay veins thought the core, moist, no odor. (Sample CCSB-08-B, 9'-11')	
							15			No cores collected	
4	4	4			0		20	CL		20'-24': Reddish-brown clay with weathered tan clay mottling, moist	
							25			No cores collected	
							30				
							35				
							40				
5	4	3.75			0			CL		40'-44': Grayish green clay, very wet, no odor. (Sample: CCSB-08-C, 41'-43')	
							45			No cores collected	
							50				
							55				
							60				
6	4	2.5			0			CL		60'-62.5': Reddish-brown clay with black and tan weathered clay mottling, moist.	
7	4	3.5			0		65	CL		64'-67.5': Reddish-brown clay with black and tan weathered clay mottling, moist.	
8	4	4			0		70	CL		68'-72': Reddish-brown clay with black and tan weathered clay mottling, moist.	
9	4	2			0			CL		72'-74': Reddish-brown clay with black and tan weathered clay mottling, moist.(Sample CCSB-08-D, 72'-74')	
							75			Boring completed at 74 feet bgs	

NOTES: **Location: CC Label**

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LOG OF BORING CCSB-08

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

R2-0007460

LOG OF BORING NO. CCSB-09

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779289.301 Feet**
EASTING: **750785.765 Feet**
DATE STARTED: **November 6, 2007**
DATE COMPLETED: **November 6, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

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SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0				
1	4	4			0			CL		0'-1' Grass, top soil, leaves and organic matter, dry 1'-4': Reddish-brown clay, moist, no odor.(Sample: CCSB-09-A, 0'-1')	
2	4	4			0		5	CL		4'-8': Reddish-brown clay, moist, no odor.(Sample CCSB-09-B, 5'-7')	
3	4	4			0		10	CL		8'-12':Reddish-brown clay, moist, no odor.	
							15			No cores collected	
4	4	4			0		20	CL		20'-24': Reddish-brown clay with black mottling, moist, no odor.(Sample: CCSB-09-C, 21'-23')	
							25			No cores collected	
							30				
							35				
5	4	4			0		40	CL		40'-44': Reddish-brown clay with black mottling, moist, no odor.	
							45			No cores collected	
							50				
							55				
6	4	4			0		60	CL		60'-64': Reddish-brown clay with black mottling, moist, no odor.	
							65				
7	4	4			0		70	CL		71'-73': Light brown sandy clay, dry with white mottling, no odor.(Sample CCSB-09-D, 71'-73')	
										Boring completed at 74 feet bgs	

NOTES: **Location: CC Label**

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LOG OF BORING CCSB-09

LOG A EWNL02 LOG OF BORING - CIDRA_CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. CCSB-10

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779283.615 Feet**
EASTING: **750839.758 Feet**
DATE STARTED: **November 12, 2007**
DATE COMPLETED: **November 12, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

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SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	4			0		0	GW CL		0'-2: Asphalt 2"-6":Gravel	
2	4	4			0		5	CL		6"-4': Reddish brown clay, dry and very stiff. (Sample CCSB-10-A.6-1.5')	Grain size, TOC, pH collected
3	4	4			0		10	CL		4'-8': Reddish brown clay, dry and very stiff. (Sample CCSB-10-B,5'-7')	
							15			8'-12':Reddish-brown clay with some black, burnt orange and tan mottling, moist . No cores collected	
4	4	4			0		20	CL		20'-22':Reddish-brown clay with some black, burnt orange and tan mottling, moist . No cores collected	
							25				
							30				
							35				
5	4	4			0		40	SC		40'-44': Light brown sandy clay with some black, burnt orange and tan mottling, moist (Sample CCSB-10-C,41'-43')	
							45			No cores collected	
							50				
							55				
6	4	4			0		60	SC		60'-64': Light brown sandy clay with some black, burnt orange and tan mottling, moist (SampleCCSB10-D,62'-64')	
										Boring completed at 64 feet bgs	

NOTES: **Location: CC Label**

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LOG OF BORING CCSB-10

LOG A EWNL02 LOG OF BORING - CIDRA_CIDRA.GPJ_STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. CCSB-11

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779043.654 Feet**
EASTING: **750804.423 Feet**
DATE STARTED: **April 23, 2010**
DATE COMPLETED: **April 23, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

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SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	4			0		0	CL		Top soil described as: firm, dark brown to black clayey to silty sand, with abundant organic matter from 0 to 13 inches bgs, followed by dry to damp, dark brown to reddish brown, medium to fine sandy Clay.	
2	4	4			0		5	CL		Stiff, dry to damp, dark brown to reddish brown, pale brown mottled, medium to fine sandy Clay.	
3	4	4			0		10	CL		Stiff, dry, dark brown to reddish brown, pale brown mottled Clay. Some fine to very fine sand observed in sample.	
							15				
4	4	4			0		20	CL		Firm to stiff, damp to dry, dark reddish brown to light reddish brown, light yellowish brown to black and yellow pale mottled, very fine sandy to silty Clay.	
							25				
5	4	4			0		30			No sample collected due to GEOPROBE MACRO-CORE liner failure	
							35				
6	4	4			0		40	CL		Stiff, damp to dry, dark reddish brown to red, light yellowish brown to pale yellow mottled, silty Clay to Clay.	
							45				
7	4	4			0		50	CL		Firm to stiff, damp, dark reddish brown to red, some black mottled, Clay. Some silt observed in sample	
							55				
							60				

NOTES: **Location: CC Label**

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LOG OF BORING CCSB-11

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

R2-0007463

LOG OF BORING NO. CCSB-12

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779055.37 Feet**
EASTING: **750811.931 Feet**
DATE STARTED: **April 23, 2010**
DATE COMPLETED: **April 23, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

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SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	4			0		0	CL		Firm, dry to damp, dark brown to reddish brown, silty Clay. Some medium to fine sand and organic matter observed in sample from 0 to 0.5 ft bgs.	
2	4	2.66			0		5	CL		Firm, dry to damp, dark brown to reddish brown, silty Clay. Some medium to fine sand at 6 ft bgs observed in sample.	
3	4	2.5			24		10	CL		Stiff, dry to damp, dark reddish brown to brown, silty Clay to Clay. Few fine to very fine sand observed in sample.	
							15				
4	4	4			1.7		20	CL		Stiff, dry to damp, dark reddish brown, silty Clay to Clay. Some very fine sand observed in sample.	
							25				
							30				
5	4	4			1.5		35	CL		Stiff, dry to damp, dark reddish brown, silty Clay to Clay.	
							40				
6	4	4			0		45	CL		Stiff, dry to damp, dark reddish brown, silty Clay to Clay.	

NOTES: **Location: CC Label**

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LOG OF BORING CCSB-12

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

LOG OF BORING NO. CCSB-13

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779029.835 Feet**
EASTING: **750839.569 Feet**
DATE STARTED: **April 26, 2010**
DATE COMPLETED: **April 26, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

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SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	0			0		0			No recovery	
2	4	4			0		5	CL		Firm, dry to damp, dark brown to dark reddish brown, yellowish brown mottled, very fine sandy to silty Clay. Some medium to fine, angular to sub angular, sand observed in sample.	
3	4	4			24		10	CL		Firm, damp, dark brown to dark reddish brown, pale yellowish brown mottled, very fine sandy to silty Clay. Few medium to fine, angular to sub angular, sand observed at 8 ft bgs.	
							15				
4	4	2.25			0		20	CL		Stiff, damp, reddish brown, very fine sandy to silty Clay.	
							25				
							30				
5	4	4			0		35	CL		Firm, damp, light brown, pale orange brown and black mottled, medium to fine sandy Clay.	
							40				
6	4	4			0		45	CL		Firm, damp, pale orange brown, dark reddish brown mottled, medium to fine sandy to silty Clay.	

NOTES: **Location: CC Label**

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LOG OF BORING CCSB-13

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

LOG OF BORING NO. CCSB-14

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779168.32 Feet**
EASTING: **750910.164 Feet**
DATE STARTED: **April 26, 2010**
DATE COMPLETED: **April 26, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

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SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	4			1.9		0	CL		Firm, dry to damp, dark reddish brown to brown, pale greenish orange mottled, very fine sandy to silty clay to Clay	
2	4	4			0.8		5	CL		Firm, dry to damp, reddish brown to light reddish brown, pale orange brown to pale yellowish orange mottled, silty clay to Clay.	
3	4	4			0.4		10	CL		Stiff to very stiff, dry to damp, reddish brown to light reddish brown, pale orange brown to black mottled, silty clay to Clay.	
							15				
4	4	4			0		20	CL		Stiff to very stiff, dry to damp, reddish brown to light reddish brown, pale orange brown to black mottled, silty clay to Clay.	
							25				
5	4	4			0		30	CL		Stiff, dry to damp, reddish brown to light yellowish orange mottled, silty clay to Clay.	
							35				
6	4	4			0		40	CL		Soft to very soft, damp to wet, reddish brown, silty clay to Clay. Few very fine sand observed in sample.	
							45				
7	4	4			0		50	CL		Stiff, damp to wet, dark reddish brown to pale greenish brown, medium to fine sandy Clay. Abundant small angular to sub angular, mafic, rock fragments observed in sample.	
							55				
							60				

NOTES: **Location: CC Label**

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LOG OF BORING CCSB-14

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

R2-0007466

LOG OF BORING NO. CCSB-15

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779117.853 Feet**
EASTING: **750899.95 Feet**
DATE STARTED: **April 27, 2010**
DATE COMPLETED: **April 27, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	4			0		0	CL		Firm, dry to damp, reddish brown, silty clay to Clay. Few pale yellowish brown, angular to sub angular, medium to fine sand grains observed in sample.	
2	4	4			0		5	CL		Very stiff, dry to damp, reddish brown, silty clay to Clay. Few pale yellowish brown, angular to sub angular, medium to fine sand grains observed in sample.	
3	4	3.5			0		10	CL		Stiff, damp to moist, dark reddish brown to red, pale yellowish orange to black mottled Clay, some silt.	
							15				
4	4	3.5			0		20	CL		Stiff, dry to damp, dark reddish brown, pale yellowish orange to pale yellow mottled silty Clay to Clay.	
							25				
5	4	4			0		30	CL		Stiff, dry to damp, dark reddish brown, pale yellowish orange and black mottled Clay.	
							35				
6	4	4			0		40	CL		Soft, dry to damp, reddish brown to red, pale yellowish brown and black mottled Clay.	
							45				
7	4	4			0		50	CL		Soft to firm, damp to wet, reddish brown to red, pale yellowish brown and black mottled Clay.	
							55				
							60				

NOTES: **Location: CC Label**

CDM Smith
1225 Ponce de Leon Ave.
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LOG OF BORING CCSB-15

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**

GROUND SURFACE ELEVATION:
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
										This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.	
							60				
							65				
8	4	4			0		70	CL		Stiff, damp to moist, greenish brown to dark gray, pale gray to pale grayish brown mottled, coarse to fine sandy Clay.	

NOTES: **Location: CC Label**

CDM Smith
1225 Ponce de Leon Ave.
VIG Tower Suite 603
San Juan, PR 00907
Telephone: 787-722-4000
Fax: 787-722-6607

LOG OF BORING CCSB-15

LOG A EWNL02 LOG OF BORING - CIDRA_CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

LOG OF BORING NO. CCSB-16

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779075.195 Feet**
EASTING: **750889.135 Feet**
DATE STARTED: **April 27, 2010**
DATE COMPLETED: **April 27, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	2.5			0		0	CL		Very stiff to hard, dry to damp, dark reddish brown to reddish brown Clay. Few very fine sand observed in sample.	
2	4	4			100		5	CL		Very stiff, damp, dark reddish brown Clay. Some silt observed in sample.	
3	4	4			3.4		10	CL		Stiff, damp, dark reddish brown to brown, pale yellowish orange to pale yellow mottled Clay, some very fine sand observed in sample.	
							15				
4	4	4			36.4		20	CL		Stiff, dry to damp, dark reddish brown, pale yellowish orange to pale yellow mottled Clay. Few medium to very fine sand grains observed in sample.	
							25				
5	4	4			9		30	CL		Very stiff, damp, dark reddish brown, pale yellowish orange and black mottled Clay. Some coarse to fine sand observed in sample.	
							35				
6	4	4			7		40	CL		Very stiff, damp, dark reddish brown, pale yellowish orange and black mottled, fine to very fine sandy clay to Clay.	
							45				
7	4	4			8		50	CL		Stiff, damp, dark to light yellowish brown, pale yellowish brown yellowish orange Clay. Some silt observed in sample.	
							55				
							60				

NOTES: **Location: CC Label**

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LOG OF BORING CCSB-16

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**

GROUND SURFACE ELEVATION:
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
										This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.	
							60				
							65				
8	4	4			0		70	CL		Stiff, damp, light brown to pale yellowish brown, medium to fine sandy Clay. Some silt observed in sample.	

NOTES: **Location: CC Label**

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LOG OF BORING CCSB-16

LOG A EWNL 02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

LOG OF BORING NO. CCSB-17

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779048.761 Feet**
EASTING: **750879.823 Feet**
DATE STARTED: **April 28, 2010**
DATE COMPLETED: **April 28, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	4			0		0	CL		Stiff, dry to damp, reddish brown to dark brown, medium to fine sandy Clay. Some angular to sub angular, coarse to medium sand grains observed in sample.	
2	4	4			0		5	CL		Stiff, damp, dark reddish brown, very fine sandy to silty Clay.	
3	4	3.5			0		10	CL		Stiff, damp, dark reddish brown, very fine sandy to silty Clay.	
							15				
4	4	4			0		20	CL		Firm, damp, reddish brown, pale yellowish orange to pale yellowish brown mottled very fine sandy to silty Clay.	
							25				
5	4	3.5			0		30	CL		Firm, damp, reddish brown to brown, pale yellowish orange to brown and black mottled fine sandy clay to Clay.	
							35				
6	4	3			0		40	CL		Soft, damp, dark reddish brown to brown, pale yellowish orange to pale yellow mottled very fine sandy to silty Clay.	
							45				
7	4	4			0		50	CL		Firm, damp, reddish brown to brown, very fine sandy clay to Clay.	
							55				
							60				

NOTES: **Location: CC Label**

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LOG OF BORING CCSB-17

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

R2-0007471

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**

GROUND SURFACE ELEVATION:
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
										This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.	
							60				
							65				
8	4	3.6			0		70	CL		Firm, damp, dark reddish brown to brown, grayish brown mottled very fine sandy clay to Clay.	

NOTES: **Location: CC Label**

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LOG OF BORING CCSB-17

LOG A EWNL 02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

R2-0007472

LOG OF BORING NO. CCSB-18

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779018.669 Feet**
EASTING: **750859.89 Feet**
DATE STARTED: **April 28, 2010**
DATE COMPLETED: **April 28, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	3			0		0	CL		Dry to damp, dark reddish brown to brown, fine to very fine sandy clay to clay. Stiff to very stiff	
2	4	4			0		5	CL		Dry to damp, dark brown to dark greenish gray, medium to fine sandy clay, abundant angular to sub angular mafic rock fragments with fine grain texture. Stiff to very stiff.	
3	4	4			0		10	CL		Dry to damp, dark reddish brown to dark greenish gray, change in color between 10' and 12', very fine sandy to silty Clay. Stiff to very stiff.	
							15				
4	4	4			0		20	CL		Dry to damp, dark greenish gray to dark reddish brown, very fine sandy to silty Clay. Stiff to very stiff.	
							25				
							30				
5	4	1.6			0		35	CL		Dry to damp, reddish brown to dark reddish brown, pale yellowish brown mottle, very fine sand to silty Clay. Stiff to very stiff.	
							40				
6	4	4			0		45	CL		Dark brown to dark reddish brown with pale yellowish orange mottle, silty Clay, few medium to fine sand observed, some angular to sub angular rock fragments with dark brown color and fine grain texture. Stiff to very stiff.	
							50				
							55				
7	4	4			0		60	CL		Damp dark brown to dark reddish brown, medium to fine sandy Clay, medium soft to stiff.	

NOTES: **Location: CC Label**

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LOG OF BORING CCSB-18

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

R2-0007473

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**

GROUND SURFACE ELEVATION:
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
										This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.	
							60				
							65				
8	4	4			0		70	CL		Dark brown to dark reddish brown, medium to fine sandy Clay to Clay. Medium soft to stiff.	

NOTES: **Location: CC Label**

1225 Ponce de Leon Ave.
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LOG OF BORING CCSB-18

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

LOG OF BORING NO. CSSB-01

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **780561.6098 Feet**
EASTING: **751110.4219 Feet**
DATE STARTED: **December 12, 2007**
DATE COMPLETED: **December 12, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Hand Auger**
SAMPLING METHOD: **Hand Auger**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

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SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0			0-8" Concrete	
							1			8"-10" Gravel	
1	4	4			0		2	CL		10"-4' Dark brown clay, dry (SampleCSSB-01-A, 1'-2')	Grain size, TOC, pH collected
							3				
							4				
		2			0		5	CL		4'-6' Dark brown clay, dry (Sample CSSB-01-B,5'-6')	
2	4						6			Boring completed at 6 feet bgs.	

NOTES: **Location: Coffee Shop**

CDM Smith
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Fax: 787-722-6607

LOG OF BORING CSSB-01

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

R2-0007475

LOG OF BORING NO. CSSB-02

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **780565.1699 Feet**
EASTING: **751105.223 Feet**
DATE STARTED: **December 12, 2007**
DATE COMPLETED: **December 12, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Hand Auger**
SAMPLING METHOD: **Hand Auger**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0			0-8" Concrete	
							1			8"-10" Gravel	
1	4	4			0		2	CL		10"-4' Dark brown clay, dry (Sample CSSB-02-A, 1'-2')	
							3				
							4				
		2			0		5	CL		4'-6' Dark brown clay, dry (Sample CSSB-02-B, 5'-6')	Grain size, TOC, pH collected
2	4						6			Boring completed at 6 feet bgs.	

NOTES: **Location: Coffee Shop**

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1225 Ponce de Leon Ave.
VIG Tower Suite 603
San Juan, PR 00907
Telephone: 787-722-4000
Fax: 787-722-6607

LOG OF BORING CSSB-02

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

R2-0007476

LOG OF BORING NO. DJSB-01

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778451.1 Feet**
EASTING: **750989.113 Feet**
DATE STARTED: **May 13, 2010**
DATE COMPLETED: **May 13, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **J.Reyes**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
										This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.	
							0	CL		Hard, dry, brown, very fine sandy Clay to Clay.	
							5	CL		Hard, dry, yellowish brown, silty Clay to Clay.	
							10	CL		Hard, dry, yellowish brown, black mottled, fine to very fine sandy Silt.	

NOTES: **Location: DJ Manufacturing**

CDM Smith
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LOG OF BORING DJSB-01

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

LOG OF BORING NO. DJSB-02

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778524.204 Feet**
EASTING: **751154.311 Feet**
DATE STARTED: **May 14, 2010**
DATE COMPLETED: **May 14, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **J.Reyes**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	4			0		0	CL		Stiff, dry, pale brown to pale yellowish brown, very fine sandy Clay.	
2	4	4			0		5	CL		Stiff, damp, pale brown to pale yellowish brown, very fine sandy to silty Clay.	
3	4	4			0		10	CL		Stiff, damp, yellowish brown to dark brown, medium to fine sandy Clay.	
							15				
4	4	4			0		20	CL		Stiff, damp, yellowish brown to dark brown, medium to fine sandy Clay.	
							25				
							30				
							35				
5	4	4			0		40	CL		Hard, damp, dark brown to dark greenish brown, black mottled very fine sandy to silty Clay.	

NOTES: **Location: DJ Manufacturing**

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LOG OF BORING DJSB-02

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

LOG OF BORING NO. DJSB-03

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778668.515 Feet**
EASTING: **751204.631 Feet**
DATE STARTED: **May 14, 2010**
DATE COMPLETED: **May 17, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	4			0		0	CL		Very stiff to hard, dry, dark reddish brown to brown, pale greenish brown to black mottled, very fine sandy to silty Clay.	
2	4	4			0.8		5	CL		Very stiff to hard, dry, dark brown to brown, very fine sandy to silty Clay.	
3	4	4			0.6		10	CL		Very stiff to hard, dry, dark brown to dark greenish brown, very fine sandy to silty Clay.	
							15				
4	4	2			0		20	CL		Hard, damp, brown to light brown, black, white to yellowish white mottled, medium to fine sandy to silty Clay.	
							25				
							30				
5	4	3			0		35	CL		Hard, moist, brown to light brown Clay, some silt in sample. Abundant dark brown to black lineations observed.	
6	4	3			0		40	CL		Hard, dry, light brown to brown, pale yellowish brown to white mottled Clay, some silt in sample.	

NOTES: **Location: DJ Manufacturing**

CDM Smith
1225 Ponce de Leon Ave.
VIG Tower Suite 603
San Juan, PR 00907
Telephone: 787-722-4000
Fax: 787-722-6607

LOG OF BORING DJSB-03

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

R2-0007479

LOG OF BORING NO. DJSB-04

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778704.593 Feet**
EASTING: **751013.799 Feet**
DATE STARTED: **May 18, 2010**
DATE COMPLETED: **May 18, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	4			0		0	CL		Firm, dry, dark brown to brown Clay, some very fine sand and silt at 1.5 ft. bgs, observed in sample.	
2	4	4			0		5	CL		Very stiff, dry, dark brown Clay.	
3	4	4			0		10	CL		Hard, damp, dark brown, very fine sandy to silty Clay.	
							15				
4	4	4			0		20	CL		Very stiff to hard, damp, dark brown, very fine sandy to silty Clay.	
							25				
5	4	2			0		30	CL		Very stiff, damp, dark brown to brown, very fine sandy to clayey Silt. Abundant lineations or faults with dark brown to black stains observed along sample. Evidence of mineral deposits, non reactive in presence of HCl were associated with these lineations.	

NOTES: **Location: DJ Manufacturing**

CDM Smith
1225 Ponce de Leon Ave.
VIG Tower Suite 603
San Juan, PR 00907
Telephone: 787-722-4000
Fax: 787-722-6607

LOG OF BORING DJSB-04

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

R2-0007480

LOG OF BORING NO. DJSB-05

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778496.671 Feet**
EASTING: **750870.435 Feet**
DATE STARTED: **May 18, 2010**
DATE COMPLETED: **May 19, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	4			0		0	CL		Very stiff, dry, dark brown to brown, pale yellowish to orange brown mottled, very fine sandy to silty Clay.	
2	4	4			0.4		5	CL		Firm, dry, dark brown to brown, medium to fine sandy Clay. Some coarse sand grains observed at 6 ft bgs.	
3	4	4			0.4		10	CL		Very stiff, dry, light brown to pale orange brown, medium to fine sandy to clayey Silt.	
							15				
4	4	2			0		20	CL		Highly Weathered Rock, (saprolite) described as: Hard, dry, brown to reddish brown, pale yellowish brown to black mottled, coarse to fine sandy to clayey Silt.	
							25				
							30				
5	4	3.5			0		35	CL		Highly Weathered Rock (saprolite) described as: Hard, dry, dark brown to light reddish brown, dull white and black mottled, coarse to fine sandy Silt, some clay observed in sample. Few angular to very angular, fine grain, mafic rock fragments encountered.	
6	4	3.5			0		40	CL		Hard, dry, brown to dark brown, very fine sandy to silty Clay. Some lineations or faults along sample, presenting white to dull white color stains with evidence of mineral deposits, non reactive in presence of HCl observed.	

NOTES: **Location: DJ Manufacturing**

CDM Smith
1225 Ponce de Leon Ave.
VIG Tower Suite 603
San Juan, PR 00907
Telephone: 787-722-4000
Fax: 787-722-6607

LOG OF BORING DJSB-05

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

R2-0007481

LOG OF BORING NO. DQSB-01

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **780769.5361 Feet**
EASTING: **751083.7999 Feet**
DATE STARTED: **December 13, 2007**
DATE COMPLETED: **December 13, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Hand Auger**
SAMPLING METHOD: **Hand Auger**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0			0-8" Concrete	
										8"-10" Gravel	
							1			10"-4' Dark brown clay, moist (Sample DQSB-01-A, 2'-4')	
1	4	4			0		2	CL			
							3				
							4			Boring completed at 4 feet bgs	

NOTES: **Location: Don Quixote Pizzeria**

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Fax: 787-722-6607

LOG OF BORING DQSB-01

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

R2-0007482

LOG OF BORING NO. DQSB-02

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **780761.317 Feet**
EASTING: **751082.7301 Feet**
DATE STARTED: **December 13, 2007**
DATE COMPLETED: **December 13, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Hand Auger**
SAMPLING METHOD: **Hand Auger**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
										This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.	
							0			0-8" Concrete	
							1			8"-1.5' Gravel	
1	4	4			0		2	CL		1.5"-4' Dark brown clay,moist (Sample DQSB-02-A, 2'-4')	
							4			Boring completed at 4 feet bgs	

NOTES: **Location: Don Quixote Pizzeria**

CDM Smith
1225 Ponce de Leon Ave.
VIG Tower Suite 603
San Juan, PR 00907
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Fax: 787-722-6607

LOG OF BORING DQSB-02

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. DQSB-03

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **780757.0229 Feet**
EASTING: **751082.041 Feet**
DATE STARTED: **December 13, 2007**
DATE COMPLETED: **December 13, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Hand Auger**
SAMPLING METHOD: **Hand Auger**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0			This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.	
										0-10" Concrete	
							1			10"-1' Gravel	
1	4	4			0		2	CL		1'-4' Dark brown clay,moist (Sample DQSB-03-A,2'-4')	
							3				
							4			Boring completed at 4 feet bgs	

NOTES: **Location: Don Quixote Pizzeria**

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LOG OF BORING DQSB-03

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. ENSB-01

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778883.208 Feet**
EASTING: **751047.777 Feet**
DATE STARTED: **May 20, 2010**
DATE COMPLETED: **May 24, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **J.Reyes**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

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SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	4			0		0	CL		Firm, dry, reddish brown to orange brown, yellowish brown to black mottled Clay, some silt observed in sample.	
2	4	4			0		5	CL		Firm, dry, reddish brown to orange brown, white and black mottled Clay, some silt observed in sample.	
3	4	4			0		10	CL		Firm, dry, reddish brown to orange brown, white and black mottled Clay, some silt observed in sample.	
							15				
4	4	4			0		20	CL		Firm, dry, reddish brown to yellowish orange, white and black mottled Clay, some silt observed in sample.	
							25				
							30				
5	4	4			0		35	CL		Firm, dry, reddish brown to yellowish orange, white and black mottled Clay, some fine to very fine sand and silt observed in sample.	

NOTES: **Location: ENCO Paints**

CDM Smith
1225 Ponce de Leon Ave.
VIG Tower Suite 603
San Juan, PR 00907
Telephone: 787-722-4000
Fax: 787-722-6607

LOG OF BORING ENSB-01

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

R2-0007485

LOG OF BORING NO. ENSB-02

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778889.266 Feet**
EASTING: **751188.821 Feet**
DATE STARTED: **May 24, 2010**
DATE COMPLETED: **May 24, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **J.Reyes**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

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SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	3			0		0	CL		Hard, dry, reddish brown to orange brown Clay, some silt observed in sample.	
2	4	4			0.3		5	CL		Hard, dry, reddish brown to orange brown, white to pale yellowish brown mottled Clay, some silt observed in sample.	
3	4	4			0		10	CL		Firm, dry, reddish brown to yellowish orange, white and black mottled Clay, some silt observed in sample.	
							15				
4	4	3			0		20	CL		Stiff, damp, reddish brown to yellowish orange, white and black mottled Clay, some silt observed in sample.	
							25				
							30				
5	4	4			0		35	CL		Stiff, damp, reddish brown to yellowish orange, white and black mottled Clay, traces of silt observed in sample.	
							40				
6	4	3			0		45	CL		Stiff, damp, reddish brown to yellowish orange, white and black mottled Clay, traces of silt observed in sample. Some lineations along sample, presenting white to dull white color stains with evidence of mineral deposits, non reactive in presence of HCl observed at 46 ft bgs.	
							50				
							55				
7	4	4			0		60	CL		Hard, damp, light brown to yellowish orange Clay. Some highly weathered rock fragments (saprolite) described as: angular to very angular, fine grain, mafic rock fragments that fall apart under	

NOTES: **Location: ENCO Paints**

CDM Smith
1225 Ponce de Leon Ave.
VIG Tower Suite 603
San Juan, PR 00907
Telephone: 787-722-4000
Fax: 787-722-6607

LOG OF BORING ENSB-02

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**

GROUND SURFACE ELEVATION:
LOGGED BY: **J.Reyes**
CHECKED BY: **M. Valentino**

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
										This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.	
										finger pressure encountered.	

NOTES: **Location: ENCO Paints**

1225 Ponce de Leon Ave.
VIG Tower Suite 603
San Juan, PR 00907
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Fax: 787-722-6607

LOG OF BORING ENSB-02

LOG A EWNL 02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

LOG OF BORING NO. ENSB-03

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778980.479 Feet**
EASTING: **751281.674 Feet**
DATE STARTED: **May 25, 2010**
DATE COMPLETED: **May 25, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	4			0		0	CL		Hard, dry, reddish brown to brown, very fine sandy to silty Clay.	
2	4	4			0		5	CL		Hard, dry, dark reddish brown to brown, pale orange brown to pale yellowish white mottled, very fine sandy Clay to Clay.	
3	4	4			0		10	CL		Hard, dry, dark reddish brown to brown, very fine sandy to silty Clay.	
							15				
4	4	2			0		20	CL		Firm, damp, dark reddish brown to brown, pale orange brown to black , very fine sandy Clay to Clay.	
							25				
5	4	4			0		30	CL		Firm, damp, dark reddish brown to brown, pale orange brown to black, very fine sandy Clay to Clay.	
							35				
6	4	4			0		40	CL		Firm, damp, reddish brown to pale brown, white to black mottled, very fine sandy Clay to Clay.	
							45				
7	4	4			0		50	CL		Hard, damp, pale greenish gray to reddish brown, black and white mottled very fine sandy Clay to Clay.	
							55				
							60				

NOTES: **Location: ENCO Paints**

CDM Smith
1225 Ponce de Leon Ave.
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San Juan, PR 00907
Telephone: 787-722-4000
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LOG OF BORING ENSB-03

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

R2-0007488

LOG OF BORING NO. ENSB-04

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779061.609 Feet**
EASTING: **751127.752 Feet**
DATE STARTED: **May 25, 2010**
DATE COMPLETED: **May 25, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ _____ ▼ _____ ▼ _____
DATE: _____ _____ _____
TIME: _____ _____ _____
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
										This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.	
1	4	1.5			0		0	CL		Stiff, damp, reddish brown Clay, some silt.	
2	4	2.5			0		5	CL		Stiff, dry, brown Clay, traces of organic matter.	
3	4	0.66			0		10	CL		Stiff, dry, reddish brown to orange brown Clay.	

NOTES: **Location: ENCO Paints**

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Fax: 787-722-6607

LOG OF BORING ENSB-04

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

R2-0007489

LOG OF BORING NO. ENSB-05

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778992.087 Feet**
EASTING: **751090.835 Feet**
DATE STARTED: **May 26, 2010**
DATE COMPLETED: **May 26, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ _____ ▼ _____ ▼ _____
DATE: _____ _____ _____
TIME: _____ _____ _____
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **J.Reyes**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	0.66			0		0	CL		Stiff, damp, reddish brown to orange brown, black mottled Clay, some silt.	
2	4	2.5			0.3		5	CL		Stiff, damp, reddish brown, black mottled Clay, some silt.	
3	4	3			0		10	CL		Stiff, dry, dark brown to gray, sandy Clay, some silt observed in sample. Traces of organic matter. Some lineations along sample with dark brown to black stains.	

NOTES: **Location: ENCO Paints**

CDM Smith
1225 Ponce de Leon Ave.
VIG Tower Suite 603
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LOG OF BORING ENSB-05

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

LOG OF BORING NO. ESSB-01

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779835.6724 Feet**
EASTING: **750764.718 Feet**
DATE STARTED: **November 19, 2007**
DATE COMPLETED: **November 19, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	1			0		0			0'-1': Concrete	
2	4	4			0		5	CL		4'-8': Dark brownish red clay with white and black mottling, moist (Sample ESSB-01-A,4'-6')	
3	4	4			0		10	CL		8'-12': Dark brownish red clay with white and black mottling, moist (Sample ESSB-01-B,9'-11')	Grain size, TOC, pH collected
							15			No cores collected	
4	4	4			0		20	CL		20'-24':Dark brownish red clay with white and black mottling, moist	
							25			No cores collected	
							30				
							35				
5	4	4			0		40	CL		40'-44' :Dark brownish red clay with white and black mottling, moist (Sample ESSB-01-C,41'-43')	
							45			No cores collected	
							50				
							55				
6	4	2			0		60	SC		60'-62':Dark brown sandy clay with white mottling, dry (Sample ESSB-01-D, 60'-62')	
										Boring completed at 62 feet bgs.	

NOTES: **Location: Esso Gas Station**

CDM Smith
1225 Ponce de Leon Ave.
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LOG OF BORING ESSB-01

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

R2-0007491

LOG OF BORING NO. ESSB-02

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779813.2632 Feet**
EASTING: **750759.7989 Feet**
DATE STARTED: **November 19, 2007**
DATE COMPLETED: **November 19, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

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SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0				
1	4	1			0					0'-1' Concrete	
2	4	4			0		5	CL		4'-8': Dark brownish red clay with white and black mottling, moist (Sample ESSB-02-A, 4-6)	
3	4	4			0		10	CL		8'-12': Dark brownish red clay with white and black mottling, moist (Sample ESSB-02-B,9'-11')	Grain size, TOC, pH collected
							15			No cores collected	
4	4	4			0		20	CL		20'-24':Dark brownish red clay with white and black mottling, moist (Sample ESSB-02-C, 21'-23')	
							25			No cores collected	
							30				
							35				
5	4	4			0		40	CL		40'-44' :Dark brownish red clay with white and black mottling, moist	
							45			No cores collected	
							50				
							55				
6	4	4			0		60	SC		56'-58':Dark brown sandy clay with white mottling, dry (Sample ESSB-01-D, 56'-58')	

NOTES: **Location: Esso Gas Station**

CDM Smith
1225 Ponce de Leon Ave.
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LOG OF BORING ESSB-02

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

R2-0007492

LOG OF BORING NO. ESSB-03

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779806.1579 Feet**
EASTING: **750741.7622 Feet**
DATE STARTED: **November 19, 2007**
DATE COMPLETED: **November 19, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0				
1	4	1			0					0'-4' Concrete	
2	4	4			0		5	CL		4'-8': Dark brownish red clay with white and black mottling, moist (Sample ESSB-03-A, 4-5)	
3	4	4			0		10	CL		8'-12': Dark brownish red clay with white and black mottling, moist (Sample ESSB-03-B,9'-11')	
							15			No cores collected	
4	4	4			0		20	CL		20'-24':Dark brownish red clay with white and black mottling, moist	
							25			No cores collected	
							30				
							35				
5	4	4			0		40	CL		40'-44':Dark brownish red clay with white and black mottling, moist (Sample ESSB-03-C, 41'-43')	
							45			No cores collected	
							50				
6	4	4			0		55	SC		54'-58':Dark brown sandy clay with white mottling, dry (Sample ESSB-03-D, 56'-58')	
										Boring completed at 58 feet bgs.	

NOTES: **Location: Esso Gas Station**

CDM Smith
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LOG OF BORING ESSB-03

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. ESSB-04

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779812.1701 Feet**
EASTING: **750719.8996 Feet**
DATE STARTED: **November 20, 2007**
DATE COMPLETED: **November 20, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ _____ ▼ _____ ▼ _____
DATE: _____ _____ _____
TIME: _____ _____ _____
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0				
1	4	4			0					0'-2" Asphalt 2-4 FILL: Dark brownish clay with trace medium sand, some gravel fragments, moist (Sample Sample ESSB-04-A, 2'-4')	
2	4	4			0		5	CL		4'-8': Reddish brown clay, moist	
3	4	4			0		10	CL		8'-12': Reddish brown clay, moist (Sample Sample ESSB-04-B,9'-11')	
							15			No cores collected	
4	4	4			0		20	CL		20'-24':Reddish brown clay, moist (Sample Sample ESSB-04-C, 21'-23' and duplicate ESSB-104-C)	Grain size, TOC, pH collected
							25			No cores collected	
5	4	4			0		40	CL		40'-44':Dark brown sandy clay, wet	
							45			No cores collected	
6	4	4			0		50	SC		56'-58':Dark brown sandy clay, wet (Sample Sample ESSB-04-D, 52'-54')	
										Boring completed at 54 feet bgs.	

NOTES: **Location: Esso Gas Station**

CDM Smith
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LOG OF BORING ESSB-04

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

R2-0007494

LOG OF BORING NO. ESSB-05

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779830.7533 Feet**
EASTING: **750696.9439 Feet**
DATE STARTED: **November 20, 2007**
DATE COMPLETED: **November 20, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

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SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0			0'-2": Asphalt	
1	4	4			0			CL		2"-4:Dark brownish red sandy clay , moist (Sample ESSB-05-A, 2"-4')	
2	4	4			0		5	CL		4'-8': Dark brownish red clay , moist (Sample ESSB-05-B,9'-11')	
3	4	4			0		10	CL		8'-12': Dark brownish red clay with white and black mottling, moist	
							15			No cores collected	
4	4	4			0		20	CL		20'-24':Dark brownish red clay , moist (Sample ESSB-05-C, 41'-43')	Grain size, TOC, pH collected
							25			No cores collected	
							30				
							35				
5	4	4			0		40	CL		40'-44' :Dark brownish red clay, moist	
							45			No cores collected	
6	4	4			0		50	SC		50'-54': Dark brown clay, moist (Sample ESSB-05-D, 52'-54')	
										Boring completed at 54 feet bgs.	

NOTES: **Location: Esso Gas Station**

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LOG OF BORING ESSB-05

LOG A EWNL02 LOG OF BORING - CIDRA_CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

R2-0007495

LOG OF BORING NO. ESSB-06

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779841.6846 Feet**
EASTING: **750682.7332 Feet**
DATE STARTED: **November 26, 2007**
DATE COMPLETED: **November 26, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0				
1	4	1			0					0'-2": Asphalt 2"-4':FILL Dark brown sand, dry (Sample ESSB-06-A, 2"-1')	
2	4	0			0		5			No Recovery	
3	4	4			0		10	CL		8'-12': Dark brownish red clay with white and black mottling, moist (Sample ESSB-06-B,9'-11')	
							15			No cores collected	
4	4	4			0		20	CL		20'-24':Dark brownish red clay with white and black mottling, moist (Sample ESSB-06-C, 21'-23')	
							25			No cores collected	
							30				
							35				
5	4	4			0		40	CL		40'-44' :Dark brownish red clay with white and black mottling, moist	
							45			No cores collected	
6	4	4			0		50	SC		50'-54':Dark brown sandy clay , dry (Sample ESSB-06-D, 52'-54')	
										Boring completed at 54 feet bgs.	

NOTES: **Location: Esso Gas Station**

CDM Smith
1225 Ponce de Leon Ave.
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San Juan, PR 00907
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LOG OF BORING ESSB-06

LOG A EWNL02 LOG OF BORING - CIDRA_CIDRA.GPJ_STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

R2-0007496

LOG OF BORING NO. ESSB-07

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779829.1136 Feet**
EASTING: **750659.2309 Feet**
DATE STARTED: **November 29, 2007**
DATE COMPLETED: **November 29, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Hand Auger**
SAMPLING METHOD: **Hand Auger**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0			0-4" Concrete	
1	4	4			0		1–4	CL		4"-4':Dark brownish red clay, moist (Sample ESSB-07-A,2'-4')	
2	4	4			0		4–8	CL		4'-8': Dark brownish red clay,moist (Sample ESSB-07-B,6'-8')	
							8			Boring completed at 8 feet bgs.	

NOTES: **Location: Esso Gas Station**

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LOG OF BORING ESSB-07

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

R2-0007497

LOG OF BORING NO. ESSB-08

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779843.8708 Feet**
EASTING: **750643.3806 Feet**
DATE STARTED: **November 26, 2007**
DATE COMPLETED: **November 26, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0				
1	4	4			0					0-4: FILL Dark brown, fine sand, rock fragments, dry (Sample ESSB-08-A, 0-1')	
2	4	4			0		5	CL		4'-8': FILL Dark brown, fine sand, rock fragments, dry (SampleESSB-08-B,5'-7')	
3	4	4			0		10	CL		8'-12': Dark brownish red clay with white and black mottling, moist	
							15			No cores collected	
4	4	4			0		20	CL		20'-24':Dark brownish red clay with tan and black mottling, dry (Sample ESSB-08-C, 21'-23')	
							25			No cores collected	
							30				
							35				
5	4	4			0		40	CL		40'-44' :Dark brownish red clay with white and black mottling, dry	
							45			No cores collected	
							50				
							55				
6	4	4			0		60	SC		60'-64':Light brown sandy clay with white mottling (Sample ESSB-08-D, 62'-64')	
										Boring completed at 64 feet bgs/	

NOTES: **Location: Esso Gas Station**

CDM Smith
1225 Ponce de Leon Ave.
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LOG OF BORING ESSB-08

LOG A EWNL02 LOG OF BORING - CIDRA_CIDRA.GPJ_STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

R2-0007498

LOG OF BORING NO. ESSB-09

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779775.5502 Feet**
EASTING: **750657.5912 Feet**
DATE STARTED: **November 28, 2007**
DATE COMPLETED: **November 28, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0				
1	4	1			5.1					2-4:FILL Dark brown, fine sandy clay, brick fragments, moist (Sample ESSB-09-A, 0-1')	
2	4	4			0		5	CL		4'-8': Dark brownish red clay, moist	
3	4	4			0		10	CL		8'-12': Dark brownish red clay with blue green mottling, moist (Sample ESSB-09-B,9'-11')	Grain size, TOC, and pH collected
							15			No cores collected	
4	4	4			0		20	CL		20'-24':Dark brownish red clay with blue green mottling, moist (Sample ESSB-09-C, 21'-23')	
							25			No cores collected	
							30				
							35				
5	4	4			0		40	CL		40'-44' Dark brownish red clay with blue green mottling, moist (Sample ESSB-09-D, 42'-44')	
										Boring completed at 44 feet bgs	

NOTES: **Location: Esso Gas Station**

CDM Smith
1225 Ponce de Leon Ave.
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LOG OF BORING ESSB-09

LOG A EWNL02 LOG OF BORING - CIDRA_CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

R2-0007499

LOG OF BORING NO. ESSB-10

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779783.2021 Feet**
EASTING: **750636.8218 Feet**
DATE STARTED: **November 28, 2007**
DATE COMPLETED: **November 28, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	1			0		0			0-4" Concrete 4"4' FILL Dark brown fine sandy clay, brick and concrete fragments, moist (Sample ESSB-10-A, 0'-1')	
2	4	4			0		5			4'-8': FILL Dark brown fine sandy clay, brick and concrete fragments, moist (Sample ESSB-10-B,5'-7')	
3	4	1			12		10	CL		8'-12': Dark brownish red clay with white and black mottling, moist	
							15			No cores collected	
4	4	4			0		20	CL		20'-24':Dark brownish red clay with white and black mottling, moist (Sample ESSB-10-C, 21'-23')	
							25			No cores collected	
							30				
							35				
5	4	4			10		40	CL		40'-44' :Dark brownish red clay with white and black mottling, moist	
							45			No cores collected	
							50				
							55				
6	4	4			764		60	SC		60'-64':Dark brown sandy clay with white mottling, dry (Sample ESSB-10-D, 62'-64')	
										Boring completed at 64' feet bgs	

NOTES: **Location: Esso Gas Station**

CDM Smith
1225 Ponce de Leon Ave.
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LOG OF BORING ESSB-10

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. ESSB-11

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779784.8418 Feet**
EASTING: **750751.0538 Feet**
DATE STARTED: **November 28, 2007**
DATE COMPLETED: **November 28, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

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SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0			0'-4" Concrete	
1	4	4			0					4"-4' FILL :Dark brown fine sandy clay with brick fragments, moist (Sample ESSB-11-A,2'-4')	
2	4	4			0		5			4'-8':FILL :Dark brown fine sandy clay with brick fragments, moist	
3	4	4			0		10	CL		8'-12': Dark brownish red clay with white and black mottling, moist (Sample ESSB-11-B,9'-11')	Grain size, TOC, pH collected
							15			No cores collected	
4	4	4			0		20	CL		20'-24':Dark brownish red clay, dry, compact (Sample ESSB-11-C, 21'-24')	
							25			No cores collected	
							30				
							35				
5	4	4			0		40	CL		40'-44' ::Dark brownish red clay, dry, compact	
							45			No cores collected	
							50				
							55				
6	4	4			115		60	SC		60'-64': Light brown sandy clay with white mottling, dry (Sample ESSB-11-D, 62'-64')	
										Boring completed at 64 feet bgs	

NOTES: **Location: Esso Gas Station**

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LOG OF BORING ESSB-11

LOG A EWNL02 LOG OF BORING - CIDRA_CIDRA.GPJ_STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. ESSB-12

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779742.2098 Feet**
EASTING: **750723.179 Feet**
DATE STARTED: **November 29, 2007**
DATE COMPLETED: **November 29, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Hand Auger**
SAMPLING METHOD: **Hand Auger**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0			0-4" Concrete	
1	4	4			0		1–4			4"-4': FILLDark brownish red clay, some gravel fragments, moist (Sample ESSB-12-A,0-1')	
							4			4'-4.5': FILL Dark brownish red clay with white and black mottling, dry	
2	4	4			0		5–8	CL		4.5'-8' Light brown, clay dry (Sample ESSB-12-B,6'-8')	Grain size, TOC, pH collected
							8			Boring completed at 8 feet bgs	

NOTES: **Location: Esso Gas Station**

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LOG OF BORING ESSB-12

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. ESSB-13

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779747.1289 Feet**
EASTING: **750705.1424 Feet**
DATE STARTED: **November 30, 2007**
DATE COMPLETED: **November 30, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	4			0		0			0'-2" Concrete 2"-1' Gravel and concrete fragments dry.	
2	4	4			0		5			1'-4' FILL Dark brown red clay with ash fragments, dry (Sample ESSB-13-A,2'-4')	
3	4	4			0		10	CL		4'-8': FILL Dark brown red clay with ash fragments, dry 8'-8.25':FILL Dark brown red clay with ash fragments, dry 8.25'-12 Dark brownish red clay, moist. (Sample ESSB-13-B,9'-11')	
							15			No cores collected	
4	4	4			0		20	CL		20'-24': Dark brownish red clay, moist (Sample ESSB-13-C, 21'-23')	
							25			No cores collected	
							30				
							35				
5	4	4			0		40				
							45				
							50				
							55				
6	4	4			0		60	SC		57'-61': Light brown sandy clay, moist (Sample ESSB-13-D, 59'-61')	
										Boring completed at 61 feet bgs	

NOTES: **Location: Esso Gas Station**

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LOG OF BORING ESSB-13

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. ESSB-14

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779756.967 Feet**
EASTING: **750688.7454 Feet**
DATE STARTED: **November 29, 2007**
DATE COMPLETED: **November 29, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0				
1	4	4			0					0-4': FILL Dark brown clay with some ash and red brick fragments,moist (Sample ESSB-14-A, 0-1')	
2	4	4			0		5	CL		4'-4.65' FILL Dark brown clay with some ash and red brick fragments,moist 4'-8': Dark brown red clay with blueish green mottling , moist	
3	4	4			0		10	CL		8'-12': Dark brown red clay with blueish green mottling , moist (Sample ESSB-14-B,9'-11')	
							15			No cores collected	
4	4	4			6		20	CL		20'-24':Dark brownish red clay with white and black mottling, moist (Sample ESSB-14-C, 21'-23' and duplicate ESSB-140-C)	Grain size, TOC and pH collected
							25			No cores collected	
5	4	4			0		40	CL		40'-44': Dark brownish red clay with white and black mottling, moist (Sample ESSB-14-D, 42'-44')	
										Boring completed at 44 feet bgs.	

NOTES: **Location: Esso Gas Station**

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LOG OF BORING ESSB-14

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. ESSB-15

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779610.865 Feet**
EASTING: **750463.572 Feet**
DATE STARTED: **May 28, 2010**
DATE COMPLETED: **May 28, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **J.Reyes**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

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SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0				
1	4	0.5			0			CL		Stiff, damp, reddish brown to brown Clay, some very fine gravel and silt observed in sample.	
2	4	4			0		5	CL		Stiff, damp, yellowish brown to reddish brown Clay, black mottled Clay, some silt observed in sample.	
3	4	4			0		10	CL		Stiff to very stiff, damp, yellowish brown to reddish brown Clay, black mottled Clay.	
							15				
4	4	4			0		20	CL		Stiff, damp, reddish brown to yellowish brown, black mottled Clay, some silt observed in sample.	
							25				
5	4	0			0		30	CL		No recovery	
							35				
6	4	4			0		40	CL			
							45				
7	4	4			200		50	CL		Stiff, damp, yellowish brown to reddish brown, black and white mottled Clay, some fine to very fine sand and silt observed in sample.	
							55				
							60				

NOTES: **Location: Esso**

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LOG OF BORING ESSB-15

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

LOG OF BORING NO. ESSB-16

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779604.636 Feet**
EASTING: **750483.875 Feet**
DATE STARTED: **May 28, 2010**
DATE COMPLETED: **May 28, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **J.Reyes**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	0			0		0	CL		No recovery, only few pieces of dark brown to black gravel from sampling instrument.	
2	4	0			0		5	CL		No recovery, only few pieces of dark brown to black gravel from sampling instrument.	
3	4	4			160		10	CL		Hard, damp, yellowish brown to reddish brown, black and gray mottled Clay, some silt. Detected a hydrocarbon-like odor from sample.	
							15				
4	4	4			45		20	CL		Hard, damp, yellowish brown to reddish brown, black , white and gray mottled Clay, some fine to very fine sand and silt observed. Abundant dark brown to black lineations observed in sample.	
							25				
							30				
5	4	4			45		35	CL		Hard, damp, yellowish brown to brown, black, white and gray mottled Clay, some silt observed in sample.	
							40				
6	4	4			6.3		45	CL		Hard, damp, yellowish brown to reddish brown, black, white and gray mottled Clay, some fine to very fine sand and silt observed. Abundant dark brown to black lineations observed in sample.	
							50				
							55				
7	4	4			30		60	CL		Hard, damp, yellowish brown to light brown Clay, some fine to very fine sand and silt observed. Abundant dark brown to black lineations observed in sample.	

NOTES: **Location: Esso**

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1225 Ponce de Leon Ave.
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LOG OF BORING ESSB-16

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

LOG OF BORING NO. IDCSB-01

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **780162.739 Feet**
EASTING: **750901.924 Feet**
DATE STARTED: **December 13, 2007**
DATE COMPLETED: **December 13, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Hand Auger**
SAMPLING METHOD: **Hand Auger**

WATER LEVEL: ▽ _____ ▼ _____ ▼ _____
DATE: _____ _____ _____
TIME: _____ _____ _____
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
										This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.	
							0			0-8" Concrete	
1	4	4			0		1	CL		8"-4' Dark brown clay, moist (Sample IDCSB-01-A, 1'-4')	Grain size, TOC, pH collected
							4			Boring completed at 4 feet bgs.	

NOTES: **Location: International Dry Cleaners**

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LOG OF BORING IDCSB-01

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. IDCSB-03

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **780152.078 Feet**
EASTING: **750934.699 Feet**
DATE STARTED: **December 13, 2007**
DATE COMPLETED: **December 13, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Hand Auger**
SAMPLING METHOD: **Hand Auger**

WATER LEVEL: ▽ _____ ▼ _____ ▼ _____
DATE: _____ _____ _____
TIME: _____ _____ _____
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0			This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.	
		1			0					0-8" Concrete	
1	4						1	CL		8"-4' Dark brown clay, dry (Sample IDSCB-03-A, 3'-4')	Grain size, TOC, pH collected
							2				
							3				
							4				
2	4	2			0		5	CL		4'-6' Dark brown clay, dry (Sample IDCSB-03-B,4'-6' and duplicate IDCSB-103-B)	
							6			Boring completed at 6 feet bgs.	
							7				
							8				

NOTES: **Location: International Dry Cleaners**

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LOG OF BORING IDCSB-03

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. IDSCB-04

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **750719.8996 Feet**
EASTING: **779812.1701 Feet**
DATE STARTED: **December 13, 2007**
DATE COMPLETED: **December 13, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Hand Auger**
SAMPLING METHOD: **Hand Auger**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
										This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.	
							0			0-8" Concrete	
										8"-10" Gravel	
							1			10"-4' Dark brown clay	
1	4	4					2	CL			Grain size, TOC, pH collected
							3				
							4			Boring completed at 4 feet bgs.	

NOTES: **Location: International Dry Cleaners**

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LOG OF BORING IDSCB-04

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. IDCSB-05

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779986.076 Feet**
EASTING: **750757.961 Feet**
DATE STARTED: **June 3, 2010**
DATE COMPLETED: **June 3, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **J.Reyes**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	4			13		0	CL		Stiff, dry, reddish brown to light reddish Clay, some very fine sand and silt observed in sample.	
2	4	4			75		5	CL		Hard, dry, dark reddish brown Clay. Some dark brown to black lineations observed in sample.	
3	4	4			138		10	CL		Stiff to very stiff, dry, dark reddish brown, pale gray to pale orange brown Clay. Some dark brown to black lineations in sample and evidence of what appears to be white mineral deposits, observed.	
4	4	2.5			250		20	CL		Stiff, dry, reddish brown Clay. Some dark brown to black lineations in sample and evidence of white mineral deposits, observed.	
5	4	1.5			45		35	CL		Very stiff, damp, reddish brown Clay. Some dark brown to black lineations in sample and white mineral deposits.	
6	4	3			10.5		45	CL		Stiff, damp, dark reddish brown, yellowish red to gray mottled Clay. Abundant vertical and horizontal lineations observed in sample with black stains.	
7	4	4			0		60	CL		Hard, damp, yellowish brown, pale gray to black mottled Clay, some silt in sample. Abundant vertical and horizontal lineations observed in sample showing black stains.	

NOTES: **Location: International Dry Cleaners**

CDM Smith
1225 Ponce de Leon Ave.
VIG Tower Suite 603
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Telephone: 787-722-4000
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LOG OF BORING IDCSB-05

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

LOG OF BORING NO. IDCSB-06

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779984.275 Feet**
EASTING: **750764.944 Feet**
DATE STARTED: **June 3, 2010**
DATE COMPLETED: **June 3, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **J.Reyes**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

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SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	4			28.5		0	CL		Stiff, dry, reddish brown Clay, some silt observed in sample.	
2	4	4			20.5		5	CL		Very stiff, dry, reddish brown Clay, some silt observed in sample.	
3	4	4			85		10	CL		Very stiff, damp, reddish brown Clay, some silt observed in sample.	
							15				
4	4	4			257		20	CL		Stiff, dry, reddish brown, gray to white mottled Clay. Some dark brown to black lineations in sample and white mineral deposits.	
							25				
5	4	4			100		30	CL		Stiff, damp, dark reddish brown, gray white and black mottled Clay, some silt. Few dark brown to black lineations in sample and white mineral deposits.	
							35				
6	4	4			8		40	CL		Stiff, damp, dark reddish brown, gray white and black mottled Clay, some silt.	
							45				
7	4	3.66			0		50	CL		Stiff, damp, yellowish brown Clay, some silt in sample. Abundant vertical and horizontal lineations observed in sample with black stains.	
							55				
							60				

NOTES: **Location: International Dry Cleaners**

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LOG OF BORING IDCSB-06

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

LOG OF BORING NO. IDCSB-07

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779993.059 Feet**
EASTING: **750769.001 Feet**
DATE STARTED: **June 4, 2010**
DATE COMPLETED: **June 4, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **J.Reyes**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	0.5			20		0	CL		Hard, dry, reddish brown Clay.	
2	4	4			6		5	CL		Hard, dry, reddish brown Clay, some silt.	
3	4	4			27		10	CL		Stiff, damp, dark reddish brown, gray and white mottled Clay. Few dark brown to black lineations in sample and white mineral deposits.	
							15				
4	4	3			45		20	CL		Stiff, damp, dark reddish brown, gray, black and white mottled Clay. Few dark brown to black lineations in sample and what appears to be white mineral deposits.	
							25				
5	4	4			30		30	CL		Stiff, damp, dark reddish brown, gray, black and white mottled Clay. Few dark brown to black lineations in sample and what appears to be white mineral deposits.	
							35				
6	4	4			33		40	CL		Stiff, damp, dark reddish brown Clay, some silt. Some dark brown to black lineations in sample and what appears to be white mineral deposits.	
							45				

NOTES: **Location: International Dry Cleaners**

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LOG OF BORING IDCSB-07

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

LOG OF BORING NO. IDCSB-08

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779988.778 Feet**
EASTING: **750748.274 Feet**
DATE STARTED: **June 7, 2010**
DATE COMPLETED: **June 7, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	4			16.5		0	CL		Very stiff, damp, reddish brown to dark brown Clay, some silt observed in sample. Abundant dark brown to black lineations observed in sample.	
2	4	4			269		5	CL		Hard, dry, dark reddish brown to dark brown, gray to dark gray mottled Clay, some silt observed in sample. Abundant pale gray lineations observed in sample.	
3	4	4			160		10	CL		Hard, dry, dark reddish brown to dark orange brown, gray to dark gray mottled Clay. Abundant pale gray horizontal lineations observed in sample.	
							15				
4	4	4			191		20	CL		Hard, dry, dark reddish brown to purple brown, gray to dull white mottled Clay. Abundant pale gray horizontal lineations observed in sample. Strong plastic- like odor from sample.	
							25				
							30				
5	4	3			105		35	CL		Hard, dry, dark reddish brown to dark brown, pale yellowish white to white mottled Clay. Some black horizontal lineations observed in sample.	
							40				
6	4	3			6.9		45	CL		Firm, moist, dark reddish brown to dark brown, dark gray to black mottled Clay, some very fine sand observed at 46 ft bgs. Abundant vertical and horizontal lineations observed in sample presenting black stains.	
							50				
							55				
7	4	4			0		60	CL		Hard, damp, dark greenish gray to dark greenish brown , pale gray mottled Clay, some silt in sample.	

NOTES: **Location: International Dry Cleaners**

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LOG OF BORING IDCSB-08

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

LOG OF BORING NO. IDCSB-09

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779997.116 Feet**
EASTING: **750753.454 Feet**
DATE STARTED: **June 7, 2010**
DATE COMPLETED: **June 7, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

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SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	2			116		0	CL		Very stiff to hard, dry, dark reddish brown to dark brown, medium to fine sandy Clay.	
2	4	4			92.1		5	CL		Very stiff to hard, dry, dark reddish brown to dark brown, white to black mottled Clay, some silt in sample.	
3	4	4			66		10	CL		Hard, dry, dark reddish brown to dark brown, white to black mottled Clay, some silt in sample.	
							15				
4	4	3			5		20	CL		Stiff, damp, dark reddish brown to purple brown in banded pattern, pale gray to pale reddish brown mottled Clay. Strong plastic -like odor noticed during sample handling.	
							25				
5	4	4			60		30	CL		Hard, dry, dark reddish brown to dark brown, pale gray to pale reddish brown mottled Clay, some silt observed in sample.	
							35				
6	4	4			6.1		40	CL		Firm, damp, reddish brown to brown, white to pale orange brown mottled Clay, some silt. Abundant dark brown to black lineations observed in sample.	
							45				

NOTES: **Location: International Dry Cleaners**

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LOG OF BORING IDCSB-09

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

LOG OF BORING NO. IDCSB-10

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779977.895 Feet**
EASTING: **750762.471 Feet**
DATE STARTED: **June 8, 2010**
DATE COMPLETED: **June 8, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
										This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.	
1	2	0.66			150		0	CL		Stiff, damp to moist, dark brown to black, coarse to fine sandy to clayey Silt. Strong diesel- like odor from sample.	
2	2	1.66			1580			CL		Soft, damp to moist, dark brown to black, dark gray to pale gray mottled, coarse to fine sandy Clay, some silt in sample. Strong gasoline - like odor from sample.	
3	2	2			357		5	CL		Soft, moist to wet, dark brown to black, coarse to fine sandy Clay. Some fine grain, angular, mafic rock fragments observed in sample. Strong solvent -like odor from sample.	

NOTES: **Location: International Dry Cleaners**

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1225 Ponce de Leon Ave.
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LOG OF BORING IDCSB-10

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

LOG OF BORING NO. IDCSB-11

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779977.219 Feet**
EASTING: **750769.228 Feet**
DATE STARTED: **June 8, 2010**
DATE COMPLETED: **June 8, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
										This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.	
1	2	0.66			51.7		0	CL		Firm, dry to damp, brown to pale brown, medium to fine sandy Clay. Abundant angular to sub angular, fine grain, mafic rock fragments in sample.	
2	2	1.66			185			CL			
3	2	2			385		5	CL		Soft, damp to moist, dark brown to brown, black mottled, Clay, some very fine sand in sample. Light solvent-like odor from sample.	
										Firm, dry to damp, dark reddish brown to pale gray, light gray to white mottled Clay. Some very fine sand in sample. Light hydrocarbon-like odor from sample.	

NOTES: **Location: International Dry Cleaners**

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LOG OF BORING IDCSB-11

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

LOG OF BORING NO. IDCSB-12

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779983.078 Feet**
EASTING: **750774.41 Feet**
DATE STARTED: **June 8, 2010**
DATE COMPLETED: **June 8, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ _____ ▼ _____ ▼ _____
DATE: _____ _____ _____
TIME: _____ _____ _____
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
										This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.	
1	2	1.16			2.7		0	CL		Firm, damp, dark brown to reddish brown, coarse to fine sandy Clay.	
2	2	2			30			CL		Firm, damp, dark brown to reddish brown, medium to fine sandy Clay.	

NOTES: **Location: International Dry Cleaners**

CDM Smith
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LOG OF BORING IDCSB-12

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

LOG OF BORING NO. IDCSB-13

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779979.246 Feet**
EASTING: **750758.866 Feet**
DATE STARTED: **June 8, 2010**
DATE COMPLETED: **June 8, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
										This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.	
1	2	1.5			250		0	CL		Firm, moist, dark brown to black, coarse to fine sandy Clay to Clay.	
2	2	2			909			CL		Firm, moist, dark brown to black, pale gray mottled Clay. Strong hydrocarbon-like odor from sample.	
3	2	2			491		5	CL		Firm, damp, dark brown to brown Clay, some silt observed in sample.	

NOTES: **Location: International Dry Cleaners**

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LOG OF BORING IDCSB-13

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

LOG OF BORING NO. IDCSB-14

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779980.375 Feet**
EASTING: **750754.585 Feet**
DATE STARTED: **June 8, 2010**
DATE COMPLETED: **June 8, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0			This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.	
1	2	1			103			CL		Firm, damp, dark brown to black, coarse to fine sandy Silt, some clay in sample.	
2	2	1			1770			CL		Firm, damp, dark brown Clay, some very fine sand observed. Strong solvent-like odor from sample.	

NOTES: **Location: International Dry Cleaners**

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LOG OF BORING IDCSB-14

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

LOG OF BORING NO. IVSB-01

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778463.988 Feet**
EASTING: **751114.107 Feet**
DATE STARTED: **December 3, 2007**
DATE COMPLETED: **December 3, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	4			0		0	SC		0-1: Grass , topsoil 1-4': Dark brown sandy clay, dry (Sample IVSB-01-A,1'-2')	Grain size, TOC, pH collected
2	4	0			0		5			No Recovery	
3	4	1.25			0		10	CL		8'-9.25': Reddish brown clay with dark yellow mottling, dry (Sample IVSB-01-B,8'-9.25') No cores collected	
4	4	4			0		20	CL		20'-24': Reddish brown clay with dark yellow mottling, dry	
							25			No cores collected	
							30	CL			
							35				
5	4	4			0		40	CL		40'-44': Reddish brown clay with dark yellow mottling, dry (Sample IVSB-01-C,41'-43')	
							45			No cores collected	
							50				
							55				
6	4	4			0		60	SC		60'-64': Reddish brown clay with dark yellow mottling, dry (Sample IVSB-01-D,62'-64')	
										Boring completed at 64 feet bgs	

NOTES: **Location: IVAX**

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LOG OF BORING IVSB-01

LOG A EWNL02 LOG OF BORING - CIDRA_CIDRA.GPJ_STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. IVSB-02

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778354.787 Feet**
EASTING: **751145.911 Feet**
DATE STARTED: **December 3, 2007**
DATE COMPLETED: **December 3, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

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SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0				
1	4	4			0			SC		0-2": Grass , topsoil 1-4': Red brown sandy clay, wet (Sample IVSB-02-A,1'-2')	
2	4	4			0		5	SC		4'-8': Red brown sandy clay, wet (Sample IVSB-02-B, 5'-7')	Grain size, TOC, pH collected
3	4	4			0		10	CL		8'-12': Red brown sandy clay, wet	
							15			No cores collected	
4	4	4			0		20	CL		20'-24': Red brown sandy clay,moist (Sample IVSB-02-C,21'-23')	
							25			No cores collected	
							30				
							35				
5	4	4			0		40	CL		40'-44': Light brown sandy clay with blue green mottling, moist (Sample IVSB-02-D 41'-43')'	
										Boring completed at 44 feet bgs.	

NOTES: **Location: IVAX**

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LOG OF BORING IVSB-02

LOG A EWNL02 LOG OF BORING - CIDRA_CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. IVSB-03

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778324.192 Feet**
EASTING: **751044.635 Feet**
DATE STARTED: **December 3, 2007**
DATE COMPLETED: **December 3, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	2.5			0		0	SC		0-2": Grass , topsoil 2"-4': Reddish brown clay with tan and black mottlin, dry (Sample IVSB-03-A,1'-2.5')	
2	4	4			0		5	CL		4'-8': Reddish brown clay with some fine sand, dry (Sample IVSB-03-B, 5'-7')	
3	4	4			0		10	CL		8'-12': Reddish brown clay with some fine sand, dry	
							15			No cores collected	
4	4	1			0		20	CL		20'-21': Reddish brown clay with some fine sand, dry	
							25			No cores collected	
							30				
							35				
							40				
5	4	2			16		45	CL		40'-44': Light brown sandy clay with blue green mottling (Sample IVSB-03-C,42'-44' and duplicate IVSB -103-C) Boring completed at 44 feet bgs	

NOTES: **Location: IVAX**

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LOG OF BORING IVSB-03

LOG A EWNL02 LOG OF BORING - CIDRA_CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. IVSB-04

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778590.512 Feet**
EASTING: **751420.311 Feet**
DATE STARTED: **December 4, 2007**
DATE COMPLETED: **December 4, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

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SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	3			0		0			0-1: Grass , topsoil	
										1-3': FILL Dark brown sandy clay, some ash and brick fragments dry (Sample IVSB-04-A,0-1')	
2	4	4			0		5	CL		4'-4.75' FILL Dark brown sandy clay, some ash and brick fragments dry	
3	4	4			0		10	CL		4'-8': Dark brown red clay, dry (Sample IVSB-04-B, 5'-7')	
										Boring completed at 64 feet bgs	
										8'-12': Dark brown red clay, dry	
							15			No cores collected	
4	4	4			0		20	CL		20'-24': Dark brownish red clay, moist	
							25			No cores collected	
							30				
							35				
5	4	4			0		40	CL		40'-44':Light brown silty clay with soem very fine sand, wet (Sample IVSB-04-C,41'-43')	Grain size, TOC, pH collected
							45			No cores collected	
							50				
							55				
6	4	4			0		60	CL		60'-64': Reddish brown clay with dark yellow mottling, dry (Sample IVSB-04-D,62'-64')	

NOTES: **Location: IVAX**

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LOG OF BORING IVSB-04

LOG A EWNL02 LOG OF BORING - CIDRA_CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. IVSB-05

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778911.924 Feet**
EASTING: **751566.681 Feet**
DATE STARTED: **December 4, 2007**
DATE COMPLETED: **December 4, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

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SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	2			0		0	CL		0-2": Asphalt	
										2"-8" Gravel	
2	4	4			0		5	SC		8"-2' Reddish brown clay dry, trace fine sand, dry. (Sample IVSB-05-A, 1'-2')	
3	4	4			0		10	SC		8"-8': Dark brown sandy clay, dry 8'-12':Reddish brown clay dry, trace fine sand, moist to wet (Sample IVSB-05-B, 9'-11')	Grain size , TOC, pH collected
							15			No cores collected	
4	4	4			0		20	CL		20'-24': Reddish brown clay dry, trace fine sand, dry	
							25			No cores collected	
							30				
							35				
5	4	4			0		40	CL		40'-44': Light brown silty clay, wet and very soft (Sample IVSB-05-C,41'-43')	
							45			No cores collected	
							50				
							55				
6	4	4			0		60	CL		60'-64': Light brown silty clay, wet soft (Sample IVSB-05-D,62'-64')	
										Boring completed at 64 feet bgs	

NOTES: **Location: IVAX**

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LOG OF BORING IVSB-05

LOG A EWNL02 LOG OF BORING - CIDRA_CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. IVSB-06

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778654.774 Feet**
EASTING: **751814.592 Feet**
DATE STARTED: **December 4, 2007**
DATE COMPLETED: **December 4, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

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SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0				
1	4	4			0			SC		0-2": Concrete 2"-8" Gravel	
2	4	4			0		5	SC		1-4' Dark brown sandy clay with black and tan mottling, dry (Sample IVSB-06-A,1-2')	
3	4	4			0		10	SC		4'-8': Dark brown sandy clay with black and tan mottling, dry (Sample IVSB-06-B,5'-7') 8'-12': Dark brown sandy clay with black and tan mottling, dry	
							15			No cores collected	
4	4	4			0		20	CL		20'-24': Dark brown sandy clay with black and tan mottling, dry	
							25			No cores collected	
							30				
							35				
5	4	4			0		40	CL		40'-44':Dark brown sandy clay with black and tan mottling, moist (Sample IVSB-06-C,41'-43')	
							45			No cores collected	
							50				
							55				
6	4	4			0		60	CL		60'-64': Light brown sandy clay, moist(Sample IVSB-06-D,62'-64')	Grain size, TOC, pH collected
										Boring completed at 64 feet bgs	

NOTES: **Location: IVAX**

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LOG OF BORING IVSB-06

LOG A EWNL02 LOG OF BORING - CIDRA_CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

R2-0007525

LOG OF BORING NO. IVSB-07

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778430.845 Feet**
EASTING: **751716.982 Feet**
DATE STARTED: **December 4, 2007**
DATE COMPLETED: **December 4, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ _____ ▼ _____ ▼ _____
DATE: _____ _____ _____
TIME: _____ _____ _____
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

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SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0				
1	4	4			0			SC		0-2": Asphalt 2"-8" Gravel	
2	4	4			0		5	SC		1-4': Dark brown sandy clay with black and tan mottling dry (Sample IVSB-07-A,1-2') 4'-8': Dark brown sandy clay with black and tan mottling dry	
3	4	4			0		10	SC		8'-12': Dark brown sandy clay with black and tan mottling dry (Sample IVSB-07-B,9'-11')	
							15			No cores collected	
4	4	4			0		20	CL		20'-24': Dark brown sandy clay with black and tan mottling dry	
							25			No cores collected	
							30				
							35				
5	4	4			0		40	CL		40'-44': Light brown silty clay, moist (Sample IVSB-07-C,41'-43')	
							45				
							50				
6	4	4			0			CL		51'-55': Reddish brown clay with dark yellow mottling, dry (Sample IVSB-07-D,53'-55')	
							55			Boring completed at 55 feet bgs	

NOTES: **Location: IVAX**

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LOG OF BORING IVSB-07

LOG A EWNL02 LOG OF BORING - CIDRA_CIDRA.GPJ_STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. IVSB-08

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **777948.248 Feet**
EASTING: **751777.014 Feet**
DATE STARTED: **December 5, 2007**
DATE COMPLETED: **December 5, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0				
1	4	4			76			SC		0-1: Concrete 1-4': Dark brown sandy clay, moist (Sample IVSB-08-A,2'-4')	
2	4	4			24		5	SC		4'-8': Dark brown sandy clay, moist (Sample IVSB-08-B,6'-8')	
3	4	4			0		10	SC		8'-12': Dark brown sandy clay,dry	
										No cores collected	
							15				
							20				
4	4	2			0			SC		20'-24': Reddish brown sandy clay,dry (Sample IVSB-08-C,21'-23")	
										No cores collected	
							25				
							30				
							35				
5	4	4			0		40	CL		39'-42': Reddish brown sandy clay , dry (Sample IVSB-08-D,40'-42', duplicate IVSB-08-B)	
										Boring completed at 42 feet bgs	

NOTES: **Location: IVAX**

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LOG OF BORING IVSB-08

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. IVSB-09

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **777883.749 Feet**
EASTING: **751700.059 Feet**
DATE STARTED: **December 5, 2007**
DATE COMPLETED: **December 5, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0			0-1: Topsoil	
1	4	4			0			SC		2"-4': Light brown fine sandy clay with black reddish brown mottling, moist (Sample IVSB-09-A, 0-1')	
2	4	4			0		5	SC		4'-8': Light brown fine sandy clay with black reddish brown mottling, moist	
3	4	4			0		10	SC		8'-12': Light brown fine sandy clay with black reddish brown mottling, moist (Sample IVSB-09-B, 9-11')	
							15			No cores collected	
4	4	4			0		20	SC		20'-24': Light brown fine sandy clay with black reddish brown mottling, moist (Sample IVSB-09-C, 21'-23')	
							25			No cores collected	
5	4	4			0		30	CL		30'-34': Light brown fine sandy clay with black reddish brown mottling, moist (Sample IVSB-09-D, 32'-34')	
										Boring completed at 34 feet bgs.	

NOTES: **Location: IVAX**

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LOG OF BORING IVSB-09

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

R2-0007528

LOG OF BORING NO. IVSB-10

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **777990.679 Feet**
EASTING: **751436.85 Feet**
DATE STARTED: **December 5, 2007**
DATE COMPLETED: **December 5, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

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SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0			0-4" Asphalt	
1	4	4			0			SC		4"-8" Gravel 8"-4' Dark brownish red clay, moist (Sample IVSB-10-A, 1'-2')	
								SC		4'-4.75' Dark brownish red clay, moist	
2	4	4			0		5	SC		4.75'-8':Light brown clay with some fine sand, black and reddish brown mottling very moist and very soft. (Sample IVSB-10-B, 8'-10')	Grain size, TOC and pH collected
3	4	2			0		10	SC		9'-11': Light brown clay with some fine sand, black and reddish brown mottling very moist and very soft.	
										No cores collected	
4	4	2			0		20	SC		20'-24': Light brown silty clay, very moist (Sample IVSB-10-C, 22'-24')	
							25			No cores collected	
5	4	4			0		30	CL		30'-34': Reddish brown clay with dark yellow mottling, dry (Sample IVSB-10-D, 32'-34')	
										Boring complete at 34 feet bgs.	

NOTES: **Location: IVAX**

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LOG OF BORING IVSB-10

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. PESB-01

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778465.607 Feet**
EASTING: **751950.767 Feet**
DATE STARTED: **November 16, 2007**
DATE COMPLETED: **November 16, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	4			0		0	CL		0'-2": Asphalt 2-4': Dark reddish brown clay,moist (Sample PESB-01-A,2"-1")	
2	4	4			0		5	CL		4'-8': Dark reddish brown clay with white mottling, dry	
3	4	4			0		10	CL		8'-12': Dark reddish brown clay, dry(Sample PESB-01-B, 9'-11')	
							15			No cores collected	
4	4	4			0		20	CL		20'-24': Dark reddish brown clay,dry(Sample PESB-01-C,21'-23')	
							25			No cores collected	
							30				
							35				
5	4	4			0		40	CL		40'-44': Dark reddish brown clay, dry	
							45			No cores collected	
							50				
							55				
6	4	2			0		60	SC		60'-64': Dark reddish brown clay with medium sand. (Sample PESB-01-D, 60'-62')	
										Boring completed at 62 feet bgs	

NOTES: **Location: Pepsi**

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LOG OF BORING PESB-01

LOG A EWNL02 LOG OF BORING - CIDRA_CIDRA.GPJ_STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. PESB-02

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778575.373 Feet**
EASTING: **751990.947 Feet**
DATE STARTED: **November 16, 2007**
DATE COMPLETED: **November 16, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0				
1	4	4			0			CL		0'-2": Asphalt 2"-4': Dark brown clay, dry (Sample PESB-02-A,2"-1')	
2	4	4			0		5	CL		4'-8': Dark brown clay, moist (Sample PESB-02-B,5'-7')	
3	4	4			0		10	CL		8'-12': Dark brown clay, moist	
							15			No cores collected	
4	4	3			0		20	CL		20'-24': Dark brown clay, moist (Sample PESB-02-C,21'-23')	
							25			No cores collected	
							30				
							35				
5	4	2			0		40			40'-44': Dark brown clay, moist	
							45			No cores collected	
							50				
							55				
6	4	4			0		60	SC		60'-64': Dark brown clay, moist(Sample PESB-03-D, 60'-63')	
										Boring completed at 63 feet bgs	

NOTES: **Location: Pepsi**

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LOG OF BORING PESB-02

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

R2-0007531

LOG OF BORING NO. PESB-03

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778789.114 Feet**
EASTING: **751877.988 Feet**
DATE STARTED: **November 15, 2007**
DATE COMPLETED: **November 15, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0				
1	4	4			0			CL		0'-2": Asphalt 2"-4': Dark brown clay, moist (Sample PESB-03-A,0.5'-1.5')	
2	4	4			0		5	CL		4'-8': Dark brown clay, moist (Sample PESB-03-B,5'-7')	Grain size, TOC, pH collected
3	4	4			0		10	CL		8'-12': Dark brown clay, moist	
							15			No cores collected	
4	4	4			0		20	CL		20'-24': Dark brown clay, moist (Sample PESB-03-C, 21'-23')	
							25			No cores collected	
							30				
							35				
5	4	4			0		40	CL		40'-44': Dark brown clay, moist	
							45			No cores collected	
							50				
							55				
6	4	4			0		60	SC		60'-64': Light brown sandy clay with white mottling,moist. (Sample PESB-03-D, 62'-64')	
										Boring completed at 64 feet bgs	

NOTES: **Location: Pepsi**

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LOG OF BORING PESB-03

LOG A EWNL02 LOG OF BORING - CIDRA_CIDRA.GPJ_STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. PESB-04

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778829.738 Feet**
EASTING: **751799.52 Feet**
DATE STARTED: **November 15, 2007**
DATE COMPLETED: **November 15, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0			0'-3' Concrete	
1	4	4			0			CL		3'-4': Dark reddish brown clay, moist (Sample PESB-04-A, 3.5-4)	
2	4	4			0		5	CL		4'-8': Dark reddish brown clay with tan and white mottling,moist	
3	4	4			0		10	CL		8'-12':Dark reddish brown clay, with tan and white mottling,moist (Sample PESB-04-B,9'-11')	
							15			No cores collected	
4	4	4			0		20	CL		20'-24': Dark reddish brown clay with medium to fine sand, moist. (Sample PESB-04-C,21'-23')	Grain size, TOC, pH
							25			No cores collected	
							30				
							35				
5	4	3			0		40	SC		40'-43: Light brown sandy clay, most (Sample PESB-04-D,41'-43')	
										Boring completed at 43 feet bgs	

NOTES: **Location: Pepsi**

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LOG OF BORING PESB-04

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. PESB-05

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778981.399 Feet**
EASTING: **751733.944 Feet**
DATE STARTED: **November 15, 2007**
DATE COMPLETED: **November 15, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0.6**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0			0'-2" Asphalt	
1	4	4			0			CL		2"-4': Dark brown reddish brown clay,moist,stiff (Sample PESB-05-A, 2"-1', PESB-05-B, 2'-4')	Grain size, TOC, pH collected
2	4	4			0		5	CL		4'-8': Dark brown reddish brown clay, moist,stiff (Sample PESB-05-C, 5'-7', duplicate PESB-105-C, 5'-7')	
3	4	4			0		10	CL		8'-12': Dark reddish brown clay, moist, stiff	
							15			No cores collected	
4	4	4			0		20	CL		20'-24': Dark reddish brown clay, moist, stiff	
							25			No cores collected	
							30				
							35				
5	4	4			0		40	CL		40'-44':Dark reddish brown clay, moist, stiff	
							45			No cores collected	
							50				
							55				
6	4	2			0		60	CL		60'-62': Dark reddish brown clay, moist, stiff (Sample PESB-05-D, 60-62')	
										Boring completed at 62 feet bgs	

NOTES: **Location: Pepsi**

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LOG OF BORING PESB-05

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. PESB-06

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778753.796 Feet**
EASTING: **752216.845 Feet**
DATE STARTED: **November 14, 2007**
DATE COMPLETED: **November 14, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

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SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	4			0		0	CL		0-1": Grass and topsoil 1"-4': Dark reddish brown clay,moist (Sample PESB-06-A,1"-1')	
2	4	4			0		5	CL		4'-8': Dark reddish brown clay,moist (Sample PESB-06-B,5'-7')	
3	4	4			0		10	CL		8'-12': Dark reddish brown clay,moist	
							15			No cores collected	
4	4	4			0		20	CL		20'-24': Dark purple clay with white and tan mottling,moist (Sample PESB-06-C,21'-22')	
							25			No cores collected	
							30				
							35				
5	4	4			0		40	SC		40'-44': Dark purple clay with white and tan mottling,moist	
							45			No cores collected	
							50				
							55				
6	4	4			0		60	SC		60'-64: Dark purple clay with white and tan mottling,moist(Sample PESB-06-D, 62'-64')	Grain size, TOC, pH collected
										Boring completed at 64 feet bgs	

NOTES: **Location: Pepsi**

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LOG OF BORING PESB-06

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. PESB-07

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778532.345 Feet**
EASTING: **752198.357 Feet**
DATE STARTED: **November 14, 2007**
DATE COMPLETED: **November 14, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0				
1	4	4			0			CL		0'-1": Grass and topsoil 1"-4': Reddish brown clay with white and tan mottling, dry (Sample PESB-07-A,1"-1')	
2	4	4			0		5	CL		4'-8': Reddish brown clay with white and tan mottling, dry (Sample PESB-07-B,5'-7')	
3	4	4			0		10	CL		8'-12': Reddish brown clay with white and tan mottling,moist.	
							15			No cores collected	
4	4	4			0		20	CL		20'-24': Reddish brown clay with white and tan mottling,moist.(Sample PESB-07-C,21-23)	Grain size, TOC, pH collected
							25			No cores collected	
							30				
							35				
5	4	4			0		40	SC		40'-44': Light brown sandy clay, moist.	
							45			No cores collected	
							50				
							55				
							60				
6	4	2			0			SC		62'-64': Light brown sandy clay, moist (Sample PESB-07-D, 62'-64')	
							65			Borehole completed at 64 feet bgs	

NOTES: **Location: Pepsi**

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LOG OF BORING PESB-07

LOG A EWNL02 LOG OF BORING - CIDRA_CIDRA.GPJ_STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. PESB-08

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778370.264 Feet**
EASTING: **752221.274 Feet**
DATE STARTED: **November 14, 2007**
DATE COMPLETED: **November 14, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ _____ ▼ _____ ▼ _____
DATE: _____ _____ _____
TIME: _____ _____ _____
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0				
1	4	4			0			CL		0'-2": Asphalt	
								CL		2"-1.75': Dark brownish red clay, dry (Sample PESB-08-A, 2"-1')	
2	4	4			0		5	CL		1.75'-4': Dark brown reddish clay with tan mottling, moist. 4'-8': Dark brown reddish clay with tan mottling, moist (Sample PESB-08-B, 5'-7')	Grain size, TOC, pH collected
3	4	4			0		10	CL		8'-12': Dark brown reddish clay with tan mottling, moist (Sample PESB-08-C, 9'-11')	
							15			No cores collected	
4	4	3			0		20	CL		20'-23: Dark brown reddish clay with tan mottling, moist	
							25			No cores collected	
							30				
							35				
5	4	2			0		40	SC		40'-42': Light brown medium sandy clay, moist	
							45			No cores collected	
							50				
6	4	2.5			0			SC		51-53.5: Dark brown reddish clay, dry(Sample PESB-08-D, 51.5'-53.5')	
							55				

NOTES: **Location: Pepsi**

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LOG OF BORING PESB-08

LOG A EWNL02 LOG OF BORING - CIDRA_CIDRA.GPJ_STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. PESB-09

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778290.529 Feet**
EASTING: **752018.323 Feet**
DATE STARTED: **November 13, 2007**
DATE COMPLETED: **November 13, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

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SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0				
1	4	4			0			CL		0-2": Asphalt 0.16'-4': Reddish brown clay, moist (Sample PESB-09-A, 2"-1')	
2	4	4			0		5	CL		4'-8': Reddish brown clay with black and tan mottling, moist.	
3	4	4			0		10	CL		8'-12': Reddish brown clay with black and tan mottling, moist. (PESB-09-B, 9'-11'.)	
							15			No cores collected	
4	4	4			0		20	CL		20'-24': Reddish brown clay with black and tan mottling, moist.	Grain size, TOC, pH collected
							25			No cores collected	
							30				
							35				
5	4	4			0		40	CL		40'-44': Reddish brown clay with black and tan mottling, moist (Sample PESB-09-C, 41'-43' and duplicate PESB-109-B, 41'-43')	
							45			No cores collected	
							50				
							55				
6	4	4			0		60	CL		60'-64': Light brown sandy clay with white and gray mottling, very compact, dry. (SamplePESB-09-D, 62'-64')	
										Boring completed at 64 feet bgs	

NOTES: **Location: Pepsi**

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LOG OF BORING PESB-09

LOG A EWNL02 LOG OF BORING - CIDRA_CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

R2-0007538

LOG OF BORING NO. PESB-10

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778033.226 Feet**
EASTING: **751834.078 Feet**
DATE STARTED: **November 13, 2007**
DATE COMPLETED: **November 13, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	4			0		0	SC		0'-4': Light brownish black and tan mottled very fine sandy clay, moist stiff (Sample PESB-10-A,0'-1')	
2	4	4			0		5	SC		4'-8': Light brownish black and tan mottled very fine sandy clay, moist stiff (Sample PESB-10-B,5'-7')	
3	4	4			0		10	SC		8'-12': Light brownish black and tan mottled very fine sandy clay, moist stiff	
							15			No cores collected	
4	4	4			0		20	SC		20'-24':Light brownish black and tan mottled very fine sandy clay, moist stiff (Sample PESB-10-C, 21'-23')	
							25			No cores collected	
							30				
							35				
5	4	1			0		40	SC		39'-40':Light brownish black and tan mottled very fine sandy clay, moist stiff (Sample PESB-10-D, 39'-40'	
										Boring completed at 40 feet bgs	

NOTES: **Location: Pepsi**

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LOG OF BORING PESB-10

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. RCTSB-01

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **750242.61 Feet**
EASTING: **780857.1444 Feet**
DATE STARTED: **December 14, 2007**
DATE COMPLETED: **December 14, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Hand Auger**
SAMPLING METHOD: **Hand Auger**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0			This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.	
1	2	2			0		1	CL		0'-2' Dark brown clay,dry (Sample RCTSB-01-A, 0-2' and duplicate RCTSB-101-A)	
							2			Boring completed at 2 feet bgs	

NOTES: **Location: Ramoncito**

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LOG OF BORING RCTSB-01

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. RCTSB-02

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **750239.893 Feet**
EASTING: **780844.5213 Feet**
DATE STARTED: **December 14, 2007**
DATE COMPLETED: **December 14, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Hand Auger**
SAMPLING METHOD: **Hand Auger**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
										This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.	
1	3	3					0 1 2 3	CL		0-3' Dark brown clay dry (Sample RCTSB-02-A, 0-3')	
										Boring completed at 3 feet bgs	

NOTES: **Location: Ramoncito**

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LOG OF BORING RCTSB-02

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. RMSB-01

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779174.581 Feet**
EASTING: **751074.282 Feet**
DATE STARTED: **December 18, 2007**
DATE COMPLETED: **December 18, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T.Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	4			2000		0	SC		0-4" Concrete 4"-4' Dark brown clay with dark grey sand, no odor, moist (Sample RMSB-01-A, 1'-3')	
2	4	3			1678		5	SC		5'-8' Dark brown clay with dark grey sand, no odor, moist (Sample RMSB-01-B, 5'-8')	
3	4	0.5			0		10	SC		11.5-12 Dark brown clay with dark grey sand, no odor, moist No cores collected	
4	4	4			0		20	SC		20'-24' Reddish brown sandy clay with tan and black mottling, very moist very soft (Sample RSMB-01-C, 21'-23')	
							25			No cores collected	
5	4	4			0		40	SC		40'-44' Reddish brown sandy clay with tan and black mottling, very moist very soft	
							45			No cores collected	
6	4	4			0		60	SC		40'-44' Reddish brown sandy clay with tan and black mottling, moist very soft (Sample RSMB-01-D, 58'-60')	
										Boring completed at 60 feet bgs.	

NOTES: **Location: Ramayo**

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LOG OF BORING RMSB-01

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. RMSB-02

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779221.8 Feet**
EASTING: **751104.036 Feet**
DATE STARTED: **December 18, 2007**
DATE COMPLETED: **December 18, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T.Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0			0-4" Concrete	
1	4	4			0			SC		4"-4' Dark brown clay with dark grey sand, moist (Sample RMSB-02-A, 1'-3')	
2	4	4			0		5	SC		4'-8' Dark brown clay with dark grey sand, moist (Sample RMSB-02-B, 5'-7')	Grain size, TOC, pH collected
3	4	4			0		10	SC		8'-12' Very dark brown clay, moist very plastic	
							15			No cores collected	
4	4	4			0		20	SC		20'-24' Reddish brown sandy clay with tan and black mottling, moist	
							25			No cores collected	
							30				
							35				
5	4	4			0		40	SC		40'-44' Reddish brown sandy clay moist. (Sample RMSB-02-C, 42'-44 and duplicate RMSB-102-C)	
										Boring completed at 44 feet bgs	

NOTES: **Location: Ramayo**

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LOG OF BORING RMSB-02

LOG A EWNL02 LOG OF BORING - CIDRA_CIDRA.GPJ_STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

R2-0007543

LOG OF BORING NO. RMSB-03

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779249.704 Feet**
EASTING: **751165.432 Feet**
DATE STARTED: **December 19, 2007**
DATE COMPLETED: **December 19, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0				
1	4	4			>2000			CL		0-2" Topsoil 2"-4' Dark brown clay with some grey medium sand intermixed, moist (Sample RMSB-03-A, 1'-3')	
2	4	4			425		5	CL		4'-8'Dark brown clay with some grey medium sand intermixed, moist (Sample RMSB-03-B,5'-8')	
3	4	3			789		10	CL		9'-12' Dark brown clay with some grey medium sand intermixed, moist	
							15			No cores collected	
4	4	3			0		20	CL		20'-23' Reddish brown clay with tan and black mottling , moist (Sample RMSB-03-C, 21'-23')	Grain size, TOC, pH
							25			No cores collected	
							30				
							35				
5	4	4			0		40	CL		40'-44' Reddish brown clay with tan and black mottling , moist	
							45			No cores collected	
							50				
							55				
6	4	4					60	CL		56'-60' Reddish brown clay with tan and black mottling , moist (Sample RMSB-03-D, 58'-60')	
										Boring completed at 60 feet bgs.	

NOTES: **Location: Ramayo**

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LOG OF BORING RMSB-03

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. RMSB-04

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779248.927 Feet**
EASTING: **751296.875 Feet**
DATE STARTED: **December 20, 2007**
DATE COMPLETED: **December 20, 2007**
DRILLING CONTRACTOR:
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Hand Auger**
SAMPLING METHOD: **Hand Auger**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0			0-8" Concrete	
1	4	4			0			CL		8"-4' Dark brown clay , moist (Sample RMSB-04-A, 0-1')	
2	4	4			0		5	CL		4'-8' Dark brown clay , moist (Sample RMSB-04-B, 5'-7')	Grain size, TOC, pH collected
3	4	4			0		10	CL		8'-12' Dark brown clay , moist	
							15			No cores collected	
4	4	4			0		20	CL		20'-24' Dark brown clay with black mottling, moist (Sample RMSB-04-C, 21'-23')	
							25			No cores collected	
							30				
							35				
							40	CL		40'-44' Dark brown clay with black mottling, moist (Sample RMSB-04-D, 42'-44')	
5	4	4			0		45			No cores collected	
							50				
							55				
							60				
6	4	3			0			CL		61'-64' Dark brown clay with black mottling, moist	
										Boring completed at 64 feet bgs	

NOTES: **Location: Ramayo**

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LOG OF BORING RMSB-04

LOG A EWNL02 LOG OF BORING - CIDRA_CIDRA.GPJ_STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. RMSB-05

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779229.911 Feet**
EASTING: **751267.511 Feet**
DATE STARTED: **December 20, 2007**
DATE COMPLETED: **December 20, 2007**
DRILLING CONTRACTOR:
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Hand Auger**
SAMPLING METHOD: **Hand Auger**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0				
1	4	4			0			CL		0-8" Topsoil 8"-4' Dark brown clay , moist (Sample RMSB-05-A, 0-1')	
2	4	4			0		5	CL		4'-8' Dark brown clay , moist	
3	4	4			0		10	CL		8'-12' Dark brown clay , moist (Sample RMSB-05-B, 9'-11')	
							15			No cores collected	
4	4	3			0		20	CL		20'-24' Dark brown clay with black mottling, moist (Sample RMSB-05-C, 21'-23')	Grain size, TOC, pH collected
							25			No cores collected	
							30				
							35				
5	4	4			0		40	CL		40'-44' Dark brown clay with black mottling, moist	
							45			No cores collected	
							50				
							55				
6	4	4			0		60	CL		60'-64' Dark brown clay with black mottling, moist (Sample RMSB-04-D, 62'-64')	
										Boring completed at 64 feet bgs	

NOTES: **Location: Ramayo**

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LOG OF BORING RMSB-05

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. RMSB-06

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779192.898 Feet**
EASTING: **751246.32 Feet**
DATE STARTED: **December 20, 2007**
DATE COMPLETED: **December 20, 2007**
DRILLING CONTRACTOR:
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Hand Auger**
SAMPLING METHOD: **Hand Auger**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0				
1	4	4			0			CL		0-4' Dark brown clay, moist (Sample RMSB-06-A,0-1')	
2	4	0			0		5			No Recovery	
3	4	1			0			CL		8'-9' Dark brown clay with black mottling, moist	
							10				
4	4	3			0		15	CL		15'-19' Dark brown clay with black mottling, moist (Sample RMSB-06-B, 17'-19 and duplicate RMSB-105B)	Grain size, TOC, pH collected
										Boring completed at 19 feet bgs	

NOTES: **Location: Ramayo**

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LOG OF BORING RMSB-06

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. RMSB-07

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779106.955 Feet**
EASTING: **751228.446 Feet**
DATE STARTED: **December 19, 2007**
DATE COMPLETED: **December 19, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0				
1	4	4			110			CL		0'-4' Dark brown clay,dry. (Sample RMSB-07-A,0'-1')	
2	4	3			120		5	CL		5'-8' Dark brown clay,dry (Sample RMSB-07-B, 5'-8')	Grain size, TOC, pH
3	4	4			100		10	CL		8'-12' Dark brown clay,dry	
							15			No cores collected	
4	4	3			100		20	SC		20'-23' Reddish brown clay with tan and black sand mottling, moist (Sample RMSB-07-C, 21'-23')	
							25			No cores collected	
							30				
							35				
5	4	4			0		40	CL		40'-44' Reddish brown clay with tan and black sand mottling, moist	
							45			No cores collected	
							50				
							55				
6	4	4			0		60	CL		60'-64' Reddish brown clay with tan and black sand mottling, moist (Sample RMSB-07-D,62'-64')	
										Boring completed at 64' feet bgs	

NOTES: **Location: Ramayo**

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LOG OF BORING RMSB-07

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. RMSB-08

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779113.617 Feet**
EASTING: **751216.155 Feet**
DATE STARTED: **December 19, 2007**
DATE COMPLETED: **December 19, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0				
1	4	4			10			CL		0'-4' Dark brown clay,dry (Sample RMSB-08-A,0'-2')	
2	4	4			160		5	CL		4'-8' Dark brown clay,dry	
3	4	4			170		10	CL		8-12 Dark brown clay, moist (Sample RMSB-08-B, 8'-11')	
4	4	4			0					No cores collected	
							15				
							20				
5	4	4			0			CL		20-24 Dark brown clay, moist (Sample RMSB-08-C, 21'-23')	
							25			No cores collected	
							30				
							35				
							40			No Recovery	
							45			No cores collected	
							50				
							55				
6	4	4			0			CL		58-60 Dark brown clay, moist (Sample RMSB-08-D, 58'-60')	
							60			Boring completed at 60 feet bgs/	

NOTES: **Location: Ramayo**

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LOG OF BORING RMSB-08

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

R2-0007549

LOG OF BORING NO. RMSB-09

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779113.521 Feet**
EASTING: **751125.602 Feet**
DATE STARTED: **December 19, 2007**
DATE COMPLETED: **December 19, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ _____ ▼ _____ ▼ _____
DATE: _____ _____ _____
TIME: _____ _____ _____
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0				
1	4	4			0			CL		0-4' Dark brown clay dry (Sample RMSB-09-A, 0'-1')	
2	4	4			0		5	CL		4'-8' Dark brown clay dry	
3	4	4			0		10	CL		8'-12' Dark brown clay dry (RMSB-09-B, 9'-11')	
										No cores collected	
							15				
4	4	4			0		20	CL		20'-24' Dark brown clay dry (Sample RMSB-09-C,21'-23')	
							25			No cores collected	
							30				
							35				
5	4	4			0		40	CL		40'-44' Dark brown clay dry	
							45			No cores collected	
							50				
							55	CL		58'-60' Dark brown clay, dry (Sample RMSB-09-D, 58'-60')	
6	4	4			0		60				Grain size, TOC, pH collected
										Boring completed at 60' bgs	

NOTES: **Location: Ramayo**

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LOG OF BORING RMSB-09

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. RMSB-10

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779228.707 Feet**
EASTING: **751163.883 Feet**
DATE STARTED: **December 20, 2007**
DATE COMPLETED: **December 20, 2007**
DRILLING CONTRACTOR:
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Hand Auger**
SAMPLING METHOD: **Hand Auger**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0			0-1" Topsoil	
1	4	4			0			CL		1"-4' Dark brown clay, moist (Sample RMSB-10-A,0-1')	
2	4	4			0		5	CL		4'-8' Dark brown clay, moist (Sample RMSB-10-B,5'-7)	
3	4	4			0		10	CL		8'-12' Dark brown clay, moist	
							15			No cores collected	
							20				
							25				
4	4	4			0		30	CL		30'-34' Dark brown clay, moist (Sample RMSB-10-C, 32'-34')	Grain size, TOC, pH collected
										Boring completed at 34 feet bgs	

NOTES: **Location: Ramayo**

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LOG OF BORING RMSB-10

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. RMSB-11

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779030.192 Feet**
EASTING: **750933.033 Feet**
DATE STARTED: **April 29, 2010**
DATE COMPLETED: **April 29, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0			This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.	
1	4	1.5			75			CL		Firm, dry, dark greenish gray to brown, medium to fine sandy Clay to Clay. Some dark brown to black, angular to very angular, fine grain, well indurated rock fragments observed in sample.	
2	4	4			0		5	CL		Stiff to very stiff, dry, dark greenish gray to dark reddish brown, some brown to pale orange yellow mottled, fine sandy to silty Clay.	
3	4	4			200		10	CL		Stiff to hard, dry, dark reddish brown to brown, very fine sandy to silty Clay. Some dark brown to black, angular to very angular, fine grain, well indurated, rock fragments observed in sample.	
							15				
4	4	0			0		20	CL		No recovery	
							25				
							30				
5	4	4			281		35	CL		Stiff to hard, dry, dark reddish brown to brown, black and pale yellowish brown mottled, very fine sandy to silty Clay.	
							40				
6	4	4			40		45	CL		Stiff, damp, dark reddish brown to brown, pale yellowish brown to black mottled fine to very fine sandy to silty Clay.	
							50				
							55				
7	4	4			20		60	CL		Very stiff, dry, brown to dark brown, pale yellowish brown mottled, medium to fine sandy to silty Clay.	

NOTES: **Location: Ramallo**

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LOG OF BORING RMSB-11

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**

GROUND SURFACE ELEVATION:
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
										This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.	
							60				
							65				
8	4	4			0		70	CL		Firm, damp, dark greenish brown to brown, some black mottled, medium to fine sandy to silty Clay.	

NOTES: **Location: Ramallo**

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LOG OF BORING RMSB-11

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

LOG OF BORING NO. RMSB-12

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779023.084 Feet**
EASTING: **751058.808 Feet**
DATE STARTED: **April 30, 2010**
DATE COMPLETED: **April 30, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
										This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.	
1	4	1.5			70		0	CL		Stiff, dry, dark brown to dark reddish brown, pale yellowish brown mottled, very fine sandy to silty Clay.	
2	4	4			0		5	CL		Stiff to very stiff, dry, dark reddish brown to dark brown, pale yellowish brown to black mottled Clay, some silt observed in sample.	
3	4	4			0		10	CL		Firm, damp, dark reddish brown to dark brown Clay, some silt observed in sample.	
							15				
4	4	3.5			40		20	CL		Stiff to very stiff, damp, brown to reddish brown, pale yellowish brown mottled Clay, some silt observed in sample.	
							25				
							30				
5	4	4			107		35	CL		Firm, dry, dark reddish brown to brown, pale yellowish brown mottled, very fine sandy to silty Clay.	
							40				
6	4	4			40		45	CL		Stiff to very stiff, damp, brown to light brown, reddish brown and black mottled Clay, some silt observed in sample.	
							50				
							55				
7	4	4			50		60	CL		Stiff to very stiff, damp, brown to light brown, pale yellowish brown and black mottled Clay.	

NOTES: **Location: Ramallo**

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LOG OF BORING RMSB-12

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**

GROUND SURFACE ELEVATION:
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							60			This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.	
							65				
8	4	0			0		70			No recovery	

NOTES: **Location: Ramallo**

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LOG OF BORING RMSB-12

LOG A EWNL 02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

LOG OF BORING NO. RMSB-13

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779037.73 Feet**
EASTING: **751089.9 Feet**
DATE STARTED: **April 30, 2010**
DATE COMPLETED: **May 12, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ _____ ▼ _____ ▼ _____
DATE: _____ _____ _____
TIME: _____ _____ _____
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	4			0		0	CL		Firm, dry, dark greenish gray to gray, medium to fine sandy Clay. Some coarse to fine sand observed in sample	
2	4	4			17		5	CL		Stiff to very stiff, dry to damp, dark reddish brown to brown, Clay, some silt observed in sample.	
3	4	4			20		10	CL		Stiff to very stiff, damp, dark reddish brown, some pale yellowish orange mottled Clay.	
							15				
4	4	4			10.2		20	CL		Stiff to very stiff, dry, reddish brown to brown Clay.	
							25				
							30				
5	4	4			6.1		35	CL		Stiff to very stiff, damp, reddish brown, pale yellowish orange to pale orange brown mottled Clay, some silt observed in sample.	
							40				
6	4	4			0		45	CL		Stiff to firm, damp, dark reddish brown to brown, pale yellowish brown mottled Clay, some silt observed in sample.	

NOTES: **Location: Ramallo**

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LOG OF BORING RMSB-13

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

LOG OF BORING NO. RMSB-14

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779066.749 Feet**
EASTING: **750999.428 Feet**
DATE STARTED: **May 6, 2010**
DATE COMPLETED: **May 6, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ _____ ▼ _____ ▼ _____
DATE: _____ _____ _____
TIME: _____ _____ _____
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	4			200		0	CL		Firm, damp, dark reddish brown to dark grayish brown mottled, medium to fine sandy Clay.	
2	4	4			1362		5	CL		Firm, damp, dark reddish brown to dark greenish brown, dark greenish gray mottled, medium to fine sandy Clay. Some angular to sub angular, fine grain, mafic rock fragments observed in sample.	
3	4	4			400		10	CL		Firm, damp, dark reddish brown to dark brown, medium to fine sandy Clay.	
							15				
4	4	4			0		20	CL		Firm, damp, dark reddish brown to dark brown, pale yellowish brown to black mottled, silty clay to Clay. Some very fine sand observed in sample	
							25				
5	4	4			0		30	CL		Firm, damp, dark reddish brown to brown, pale yellowish brown to black mottled, Clay. Some very fine sand observed in sample	
							35				
6	4	4			250		40	CL		Firm, damp, dark brown to brown, very fine sandy to silty Clay.	
							45				
7	4	4			200		50	CL		Very stiff, damp, brown to light yellowish brown, pale yellowish brown and black mottled very fine sandy to Clay.	
							55				
							60				

NOTES: **Location: Ramallo**

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LOG OF BORING RMSB-14

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**

GROUND SURFACE ELEVATION:
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
										This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.	
							60				
							65				
8	4	4			53		70	CL		Very stiff to hard, damp, brown to light yellowish brown, pale yellowish brown and black mottled very fine sandy Clay to Clay.	

NOTES: **Location: Ramallo**

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LOG OF BORING RMSB-14

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

LOG OF BORING NO. RMSB-15

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779050.778 Feet**
EASTING: **750989.919 Feet**
DATE STARTED: **May 6, 2010**
DATE COMPLETED: **May 6, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	4			2075		0	CL		Hard, dry, dark reddish brown to brown, pale yellowish brown to pale brown mottled, coarse to fine sandy Clay. Some angular to very angular, dark brown to black, fine grain rock fragments.	
2	4	4			190		5	CL		Very stiff to Hard, dry, dark reddish brown to pale yellowish brown Clay. Some silt observed in sample, few angular to very angular, dark to light gray, white mottled, fine grain rock fragments present in sample.	
3	4	4			0		10	CL		Very stiff to hard, damp, dark reddish brown to brown Clay. Some silt observed in sample. Few very angular, reddish brown to pale yellowish brown, fine grain rock fragments present in sample.	
							15				
4	4	0			0		20			No recovery	
							25				
							30				
5	4	4			0		35	CL		Stiff to hard, damp, reddish brown to brown, light reddish brown to black mottled Clay. Some evidence of mineralization observed at 32 ft bgs, as small, dull white to pale orange white crystals present in sample	
							40				
6	4	4			25		45	CL		Firm, damp, dark brown to pale yellowish brown, dull white to pale yellowish brown mottled, very fine sandy to silty Clay.	
							50				
							55				
7	4	3			15		60	CL		Firm, damp, dark brown to pale yellowish brown, dull white to pale yellowish brown and black mottled, coarse to fine very fine sandy Clay.	

NOTES: **Location: Ramallo**

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LOG OF BORING RMSB-15

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

R2-0007559

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**

GROUND SURFACE ELEVATION:
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
										This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.	
							60				
							65				
8	4	4			32.9		70	CL		Firm, damp, light yellowish brown to dark brown, dull white to pale yellowish brown, medium to fine sandy Clay.	

NOTES: **Location: Ramallo**

1225 Ponce de Leon Ave.
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LOG OF BORING RMSB-15

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

LOG OF BORING NO. RMSB-16

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779068.596 Feet**
EASTING: **751120.543 Feet**
DATE STARTED: **May 7, 2010**
DATE COMPLETED: **May 7, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	4			0		0	CL		Very stiff to hard, dry, reddish brown to pale yellowish orange, orange brown to black mottled very fine sandy Clay. Some coarse sand observed in sample.	
2	4	4			0		5	CL		Very stiff to hard, dry, dark reddish brown to dark brown, pale yellowish brown mottled Clay, few very fine sand observed in sample.	
3	4	4			0		10	CL		Hard, dry, dark reddish brown to brown, medium to fine sandy Clay to Clay.	
							15				
4	4	4			0		20	CL		Hard, dry, dark reddish brown to brown, pale yellowish brown to black mottled Clay, some silt. Few medium sand grains observed in sample.	
							25				
5	4	4			0		30	CL		Stiff, damp, reddish brown to pale yellowish brown, pale orange brown mottled Clay. Some very fine sand observed in sample.	
							35				
6	4	4			24		40	CL		Stiff, damp, reddish brown to pale greenish brown, silty clay to Clay.	
							45				
7	4	4			0		50	CL		Hard, damp, reddish brown to grayish brown, pale yellowish brown to dull white mottled Clay, some silt observed in sample.	
							55				
							60				

NOTES: **Location: Ramallo**

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LOG OF BORING RMSB-16

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**

GROUND SURFACE ELEVATION:
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							60				
							65				
8	4	4			0		70	CL		Hard, damp, reddish brown to brown Clay, some silt observed in sample.	

NOTES: **Location: Ramallo**

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LOG OF BORING RMSB-16

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

LOG OF BORING NO. RMSB-17

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779069.957 Feet**
EASTING: **751084.747 Feet**
DATE STARTED: **May 7, 2010**
DATE COMPLETED: **May 10, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
										This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.	
1	4	4			310		0	CL		Hard, dry, reddish brown to dark brown, pale yellowish brown mottled silty Clay.	
2	4	4			120		5	CL		Hard, dry, reddish brown to dark brown, some pale yellowish brown mottled, very fine sandy Clay to Clay.	
3	4	4			0		10	CL		Very stiff to Hard, dry, reddish brown to brown, some pale yellowish brown mottled Clay.	
							15				
4	4	4			0		20	CL		Firm, damp, reddish brown to brown, pale yellowish brown to black mottled Clay, some silt.	
							25				
							30				
5	4	4			0		35	CL		Firm, damp, dark reddish brown to dark orange brown, pale orange brown to black mottled Clay, some silt.	

NOTES: **Location: Ramallo**

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LOG OF BORING RMSB-17

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

LOG OF BORING NO. RMSB-18

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779001.681 Feet**
EASTING: **751077.961 Feet**
DATE STARTED: **May 10, 2010**
DATE COMPLETED: **May 10, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	4			30		0	CL		Very stiff to hard, dry, dark brown to dark reddish brown, black mottled Clay to silty Clay. Some medium to coarse sand observed in sample.	
2	4	4			400		5	CL		Very stiff to hard, damp, reddish brown to brown, dark greenish brown to greenish gray mottled Clay. Strong decomposed organic matter odor from sample.	
3	4	4			425		10	CL		Very stiff to hard, damp, dark brown to dark greenish gray, silty clay to Clay, some medium to fine sand. Strong decomposed organic matter odor from sample.	
							15				
4	4	3			165		20	CL		Very stiff, damp, dark reddish brown to reddish brown, pale yellowish brown to greenish gray mottled fine sandy to silty Clay. Strong decomposed organic matter odor from sample.	
							25				
							30				
5	4	4			135		35	CL		Stiff, damp to moist, reddish brown to dark reddish brown, pale orange brown to black mottled, very fine sandy to silty Clay. Strong decomposed organic matter odor from sample at 36 ft bgs.	
							40				
6	4	4			105		45	CL		Firm, damp to moist, dark reddish brown to pale yellowish brown Clay, some very fine sand observed in sample. Strong decomposed organic matter odor from sample.	
							50				
							55				
7	4	4			30		60	CL		Firm, damp, pale greenish brown, pale yellowish brown to dull white mottled Clay, some silt observed in sample .	

NOTES: **Location: Ramallo**

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LOG OF BORING RMSB-18

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

R2-0007564

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**

GROUND SURFACE ELEVATION:
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
										This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.	
							60				
							65				
8	4	4			30		70	CL		Firm, damp, pale greenish brown to brown, pale yellowish brown to yellowish white mottled Clay. Some silt observed in sample.	

NOTES: **Location: Ramallo**

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LOG OF BORING RMSB-18

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

LOG OF BORING NO. RMSB-19

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779051.696 Feet**
EASTING: **751081.788 Feet**
DATE STARTED: **May 11, 2010**
DATE COMPLETED: **May 11, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	0			0		0			No recovery	
2	4	4			98		5	CL		Very stiff to hard, dry, reddish brown to pale yellowish brown, pale yellowish white mottled silty clay to Clay.	
3	4	4			0		10	CL		Hard, dry, reddish brown to dark reddish brown Clay, some silt and few very fine sand grains observed in sample.	
							15				
4	4	2			72		20	CL		Stiff, damp, reddish brown to dark reddish brown, pale yellowish white to pale orange brown mottled Clay, some silt observed in sample.	
							25				
							30				
5	4	4			0		35	CL		Stiff, damp, dark reddish brown to reddish brown, pale yellowish white to pale orange brown mottled Clay, some silt observed in sample.	
							40				
6	4	4			0		45	CL		Firm, damp, dark orange brown to brown, pale yellowish white to pale orange brown mottled silty Clay, some very fine sand observed in sample.	
							50				
							55				
7	4	4			0		60	CL		Firm, damp, dark reddish brown to reddish brown, pale yellowish white mottled Clay, some silt observed in sample.	

NOTES: **Location: Ramallo**

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LOG OF BORING RMSB-19

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

R2-0007566

LOG OF BORING NO. RMSB-20

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779055.528 Feet**
EASTING: **751112.431 Feet**
DATE STARTED: **May 11, 2010**
DATE COMPLETED: **May 11, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **H.Chacon**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
										This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.	
1	4	0			90		0	CL		Very stiff, dry, dark reddish brown to brown, medium to fine sandy Clay.	
2	4	4			0		5	CL		Very stiff, dry, dark reddish brown to brown, pale yellowish brown to pale reddish brown mottled medium to fine sandy Clay.	
3	4	4			112		10	CL		Stiff, dry, reddish brown to brown, pale orange brown mottled Clay, some silt observed in sample.	
							15				
4	4	2.5			54		20	CL		Very stiff, dry, reddish brown to brown, pale orange brown to pale yellowish brown mottled Clay, some silt observed in sample.	
							25				
							30				
5	4	0.5			11		35	CL		Firm, damp, dark to pale greenish brown, pale yellowish white to white mottled Clay, some silt observed in sample.	
							40				
6	4	4			32		45	CL		Firm, damp, dark to pale greenish brown, pale yellowish white to white mottled Clay.	

NOTES: **Location: Ramallo**

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LOG OF BORING RMSB-20

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

R2-0007567

LOG OF BORING NO. RMSB-21

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778904.676 Feet**
EASTING: **751030.006 Feet**
DATE STARTED: **June 2, 2010**
DATE COMPLETED: **June 2, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **J.Reyes**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

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SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	4			0		0	CL		Very stiff, dry, reddish to orange brown, yellowish brown mottled silty Clay. Some medium to fine sand observed in sample.	
2	4	4			0		5	CL		Very stiff, dry, reddish to orange brown, yellowish brown mottled fine to very fine sandy Clay.	
3	4	4			0		10	CL		Very stiff, dry, reddish to orange brown, yellowish brown mottled very fine sandy Clay, some silt observed in sample.	
							15				
4	4	4			0		20	CL		Very stiff, dry, dark reddish brown to reddish brown, pale yellowish brown to black mottled Clay. Abundant dark brown to black lineations with evidence of white mineral deposits, non reactive in presence of HCl, observed in sample.	
							25				
							30				
5	4	4			0		35	CL		Very stiff, dry, dark reddish brown to reddish brown, pale yellowish brown to black mottled Clay. Abundant dark brown to black lineations with evidence of white mineral deposits, observed in sample.	
							40				
6	4	4			0		45	CL		Stiff, damp, dark reddish brown to reddish brown, pale yellowish brown to black mottled Clay with some silt. Abundant dark brown to black lineations with evidence of white mineral deposits, observed in sample.	
							50				
							55				
7	4	4			0		60	CL		Stiff, damp, yellowish, black and white mottled Clay, some fine to very fine sand and silt observed in sample .	

NOTES: **Location: Ramallo**

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LOG OF BORING RMSB-21

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**

GROUND SURFACE ELEVATION:
LOGGED BY: **J.Reyes**
CHECKED BY: **M. Valentino**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							60				
							65				
8	4	4			0		70	CL		Soft, damp, reddish brown to yellowish brown, black mottled Clay. Abundant dark brown to black lineations with evidence of white mineral deposits, observed in sample.	

NOTES: **Location: Ramallo**

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LOG OF BORING RMSB-21

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

LOG OF BORING NO. RMSB-22

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779034.043 Feet**
EASTING: **751050.765 Feet**
DATE STARTED: **June 2, 2010**
DATE COMPLETED: **June 2, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **J.Reyes**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	3			33		0	CL		Stiff, damp, yellowish brown, pale brown mottled Clay, some silt observed in sample.	
2	4	4			45		5	CL		Stiff, damp, yellowish brown, black, gray and white mottled Clay, some fine to very fine sand observed in sample.	
3	4	4			38		10	CL		Stiff, damp, yellowish brown, black, gray and white mottled Clay, some silt observed in sample.	
							15				
4	4	3			90		20	CL		Stiff, damp, dark orange brown, pale yellowish brown mottled, Clay some very fine sand and silt in sample.	
							25				
							30				
5	4	3			85		35	CL		Stiff, damp, dark orange brown, pale yellowish brown mottled Clay some very fine sand and silt in sample. Abundant dark brown to black lineations with evidence of white mineral deposits, observed in sample.	
							40				
6	4	3			100		45	CL		Stiff, damp, yellowish brown to dark brown Clay some silt in sample. Abundant dark brown to black lineations observed in sample.	
							50				
							55				
7	4	2			23.5		60	CL		Stiff, damp, yellowish brown to dark brown Clay, some silt in sample. Abundant dark brown to black lineations observed in sample.	

NOTES: **Location: Ramallo**

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LOG OF BORING RMSB-22

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

LOG OF BORING NO. RMSB-23

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779021.132 Feet**
EASTING: **751043.31 Feet**
DATE STARTED: **June 2, 2010**
DATE COMPLETED: **June 2, 2010**
DRILLING CONTRACTOR: **JFA**
DRILLER: **E. Maldonado**
DRILLING METHOD: **DPT**
SAMPLING METHOD: **Macrocore**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **J.Reyes**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM):

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SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	3			0.6		0	CL		Stiff, damp, yellowish brown, pale brown mottled Clay, some very fine sand and silt observed in sample.	
2	4	3.6			12.6		5	CL		Stiff, damp, yellowish brown, black and white mottled Clay, some fine to very fine sand observed in sample.	
3	4	3			21		10	CL		Stiff, damp, yellowish brown to brown, black, gray and white mottled Clay, some silt sample.	
							15				
4	4	3.5			300		20	CL		Stiff, damp, dark orange brown, yellowish brown mottled Clay some very fine sand in sample. Note: soil boring refusal at 31 ft bgs.	

NOTES: **Location: Ramallo**

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LOG OF BORING RMSB-23

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA_4.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 4/4/11 REV.

LOG OF BORING NO. SHSB-01

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778921.467 Feet**
EASTING: **751141.431 Feet**
DATE STARTED: **December 6, 2007**
DATE COMPLETED: **December 6, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ _____ ▼ _____ ▼ _____
DATE: _____ _____ _____
TIME: _____ _____ _____
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0			0-2" Concrete	
1	4	4			0			SW		2"-4' Dark brown fine to medium sand, trace silt (Sample SHSB-01-A, 2"-1')	
2	4	4			0		5	SW		4'-8' Dark brown fine to medium sand, trace silt (Sample SHSB-01-B,5'-7')	Grain size, TOC and pH collected
3	4	4			0		10	SW		8'-12" Dark brown fine to medium sand, trace silt	
4	4	4			0		15	SW		12'-16' Dark brown fine to medium sand, trace silt (Sample SHSB-01-C,14'-16')	
										Boring completed at 16 feet bgs	

NOTES: **Location: Shell Foam**

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LOG OF BORING SHSB-01

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

R2-0007572

LOG OF BORING NO. SHSB-02

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **779077.629 Feet**
EASTING: **750989.541 Feet**
DATE STARTED: **December 6, 2007**
DATE COMPLETED: **December 6, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0				
1	4	4			0			SC		0'-4' Light brown silty clay, moist (Sample SHSB-02-A,0-1')	
2	4	4			0		5	SC		4'-8' Light brown silty clay, moist (Sample SHSB-02-B,5'-7')	
3	4	4			0		10	SC		8'-12' Light brown silty clay, moist	
							15			No cores collected	
4	4	4			0		20	SC		20'-24' Light brown silty clay, moist (Sample SHSB-02-C, 22'-24')	
							25			No cores collected	
							30				
							35				
5	4	4			0		40	SC		40'-44' Light brown silty clay with white mottling, moist	
							45			No cores collected	
							50				
							55				
6	4	4			0		60	SC		60'-64' Light brown silty clay with white mottling, moist (Sample SHSHB-02-D, 62'-64')	
										Boring completed at 64 feet bgs	

NOTES: **Location: Shell Foam**

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LOG OF BORING SHSB-02

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

R2-0007573

LOG OF BORING NO. SHSB-03

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778982.541 Feet**
EASTING: **750784.479 Feet**
DATE STARTED: **December 6, 2007**
DATE COMPLETED: **December 6, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0				
1	4	4			0			SC		0-4" Topsoil 4""-4' Dark brown clay, moist (Sample SHSB-03-A, 0-1')	
2	4	4			0		5	SC		4'-8' Dark brown clay, moist	
3	4	4			0		10	SC		8'-12' Dark brown clay, moist (Sample SHSB-03-B, 9'-11')	
							15			No cores collected	
4	4	4			0		20	SC		20'-24' Dark brown clay with black and reddish brown mottling, moist very compact.	
5	4	4			0		25	SC		24'-28' Dark brown clay with black and reddish brown mottling, dry very compact (Sample SHSB-03-C, 26'-28')	Grain size, TOC, pH collected
										Boring completed at 28 feet bgs.	

NOTES: **Location: Shell Foam**

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LOG OF BORING SHSB-03

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. SHSB-04

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778940.598 Feet**
EASTING: **750752.636 Feet**
DATE STARTED: **December 7, 2007**
DATE COMPLETED: **December 7, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T.Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

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SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0				
1	4	3			0			CL		0-2" Topsoil 2"-3' Dark brown clay, moist (Sample SHSB-04-A, 0-1')	
2	4	4			0		5	CL		4'-8' Dark brown clay, moist (Sample SHSB-04-B, 6'-8')	
3	4	4			0		10	CL CL		8'-8.75' Dark brown clay, moist 8.75'-12' Reddish-brown clay with trace black mottling, moist	
							15			No cores collected	
4	4	4			0		20	CL		20'-24' Reddish brown clay with trace black mottling, moist (Sample SHSB-04-C, 21'-22')	
							25			No cores collected	
							30				
							35				
5	4	4			0		40	CL		38'-42' Reddish brown clay with trace black mottling, moist (Sample SHSB-04-D, 40'-42')	
										Boring completed at 42 feet bgs	

NOTES: **Location: Shell Foam**

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LOG OF BORING SHSB-04

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

R2-0007575

LOG OF BORING NO. SHSB-05

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778848.327 Feet**
EASTING: **750779.719 Feet**
DATE STARTED: **December 7, 2007**
DATE COMPLETED: **December 7, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D.Gonazalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T.Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	4			0		0	CL		0-2" Topsoil 2"-4' Dark brown clay, moist (Sample SHSB-05-A, 0-1')	
2	4	4			0		5	CL		4'-8' Dark brown clay, moist	
3	4	4			0		10	CL		8'-12' Dark brown clay, moist (Sample SHSB-05-B, 9'-11")	
							15			No cores collected	
							20				
4	4	1			0		25	CL		23'-24' Reddish brown clay with black and tan mottling, moist (Sample SHSB-05-C, 23'-24') No cores collected	
							30				
							35				
5	4	4			0		40	CL		38'-42' Light brown sandy clay, dry (SampleSHSB-05-D, 40'-42')	
										Boring completed at 42 feet bgs	

NOTES: **Location: Shell Foam**

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LOG OF BORING SHSB-05

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

R2-0007576

LOG OF BORING NO. SHSB-06

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778837.317 Feet**
EASTING: **750794.978 Feet**
DATE STARTED: **December 7, 2007**
DATE COMPLETED: **December 7, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Geoprobe**
SAMPLING METHOD: **Macrocore 1.5 Inch**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	3			0		0	CL		0-4" Concrete 4"-0.5' Gravel	
2	4	2			0		5	SC		0.5'-3' Very dark brown clay, moist (Sample SHSB-06-A, 0.5'-1') 4'-8': Very dark brown clay, moist (Sample SHSB-06-B, 5'-7')	
3	4	4			0		10	SC		8'-12': Very dark brown clay, moist	
							15			No cores collected	
4	4	4			0		20	SC		20'-24' Reddish brown clay with black and tan mottling, moist.	
							25			No cores collected	
							30				
							35				
5	4	4			0		40	CL		40'-44' Reddish brown clay with black and tan mottling, moist (Sample SHSB-06-C,41'-43')	
							45				
6	4	4			0		50	SC		50'-54' Light brown sandy clay, dry (Sample SHSB-06-D, 52'-54')	
										Boring completed at 54 feet bgs.	

NOTES: **Location: Shell Foam**

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LOG OF BORING SHSB-06

LOG A EWNL02 LOG OF BORING - CIDRA_CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

R2-0007577

LOG OF BORING NO. SHSB-07

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778790.175 Feet**
EASTING: **750799.781 Feet**
DATE STARTED: **December 6, 2007**
DATE COMPLETED: **December 6, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Hand Auger**
SAMPLING METHOD: **Hand Auger**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
1	4	2			0		0–2	SC		0'-2' Dark brown clay with black staining oily sheen and petroleum odor,very wet (Sample SHSB-07-A, 0-2')	
							2–4			No Recovery	
2	4	2			0		4–6	SC		4'-8' Dark brown clay with black staining oily sheen and petroleum odor,very wet (Sample SHSB-07-B, 4'-6')	
							6			Boring completed at 6 feet bgs	

NOTES: **Location: Shell Foam**

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LOG OF BORING SHSB-07

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

LOG OF BORING NO. SHSB-08

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778751.546 Feet**
EASTING: **750803.246 Feet**
DATE STARTED: **December 7, 2007**
DATE COMPLETED: **December 7, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Hand Auger**
SAMPLING METHOD: **Hand Auger**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0			0-8" Concrete	
1	4	4			0		1	CL		8"-4' Dark brown clay, dry (Sample SHSB-08-A, 2'-4')	
							2				
							3				
							4			Boring completed at 4 feet bgs	

NOTES: **Location: Shell Foam**

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LOG OF BORING SHSB-08

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

R2-0007579

LOG OF BORING NO. SHSB-09

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778826.943 Feet**
EASTING: **750964.263 Feet**
DATE STARTED: **December 10, 2007**
DATE COMPLETED: **December 10, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Hand Auger**
SAMPLING METHOD: **Hand Auger**

WATER LEVEL: ▽ _____ ▼ _____ ▼ _____
DATE: _____ _____ _____
TIME: _____ _____ _____
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0			This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.	
1	4	4			0		2	CL		0'-4' Dark brown clay dry (Sample SHSB-09-A, 2'-4')	
							4			Boring completed at 4 feet bgs	

NOTES: **Location: Shell Foam**

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LOG OF BORING SHSB-09

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

R2-0007580

LOG OF BORING NO. SHSB-10

PROJECT: **Cidra Groundwater Contamination Site**
PROJECT NO: **3320.004**
PROJECT LOCATION: **Cidra, Puerto Rico**
NORTHING: **778881.11 Feet**
EASTING: **751074.987 Feet**
DATE STARTED: **December 10, 2007**
DATE COMPLETED: **December 10, 2007**
DRILLING CONTRACTOR: **JFA**
DRILLER: **D. Gonzalez**
DRILLING METHOD: **Hand Auger**
SAMPLING METHOD: **Hand Auger**

WATER LEVEL: ▽ ▼ ▼
DATE:
TIME:
COORDINATE SYSTEM: **PR/USVI State Plane**
HORIZONTAL DATUM: **NAD 83**
GROUND SURFACE ELEVATION (Feet):
VERTICAL DATUM:
WEATHER: **Sunny**
LOGGED BY: **T. Bennett**
CHECKED BY: **M. Valentino**
BACKGROUND OVA (PPM): **0**

This log is part of the report prepared for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presentated is a simplification of actual conditions encountered.

SAMPLE NUMBER	SAMPLE ADVANCE (ft.)	SAMPLE RECOVERY (ft.)	BLOW COUNTS	RQD	PID (ppm)	ELEVATION (ft.)	DEPTH (ft.)	USCS	GRAPHIC SYMBOL	DESCRIPTION	REMARKS
							0				
1	4	4			0		2	CL		0'-4' Dark brown clay dry (Sample SHSB-10-A, 2'-4')	
							4			Boring completed at 4 feet bgs	

NOTES: **Location: Shell Foam**

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LOG OF BORING SHSB-10

LOG A EWNL02 LOG OF BORING - CIDRA CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/23/09 REV.

Appendix D
Downhole Geophysical Logs

1225 Ponce de Leon Avenue
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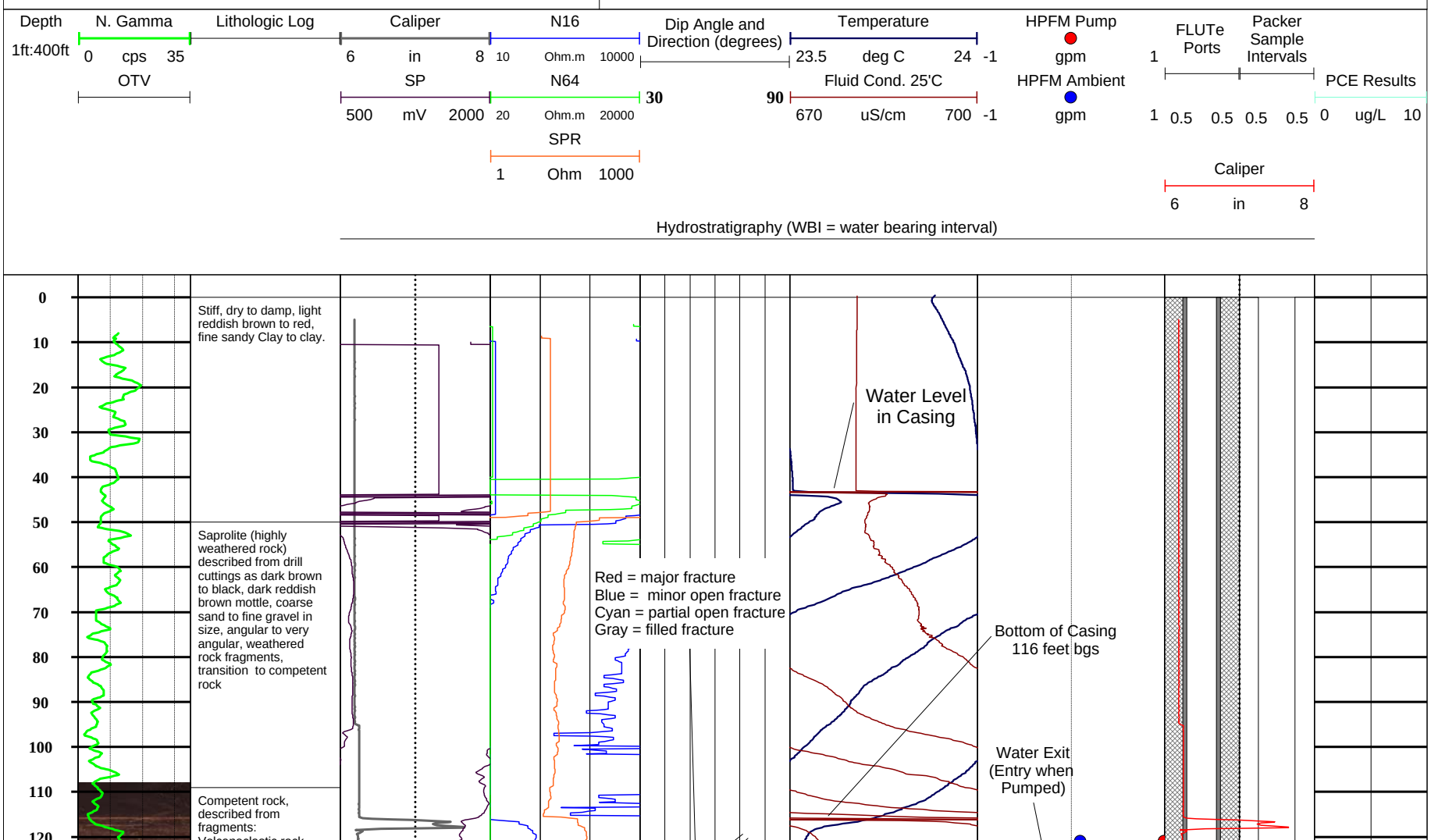
Data Aquisition By:	Earth Data Northeast, Inc.
Location:	Behind staging area, in driveway
Well Name:	MPW-1
Date:	4/16/08 (last revised)
Reference:	Ground Surface
Field Operator:	GS / RB
City / County:	Cidra
State / Province:	Puerto Rico
Country:	United States
Borehole Diameter:	6 inches
Log interval:	open well
North reference:	True
Magnetic Declination:	-12.1 (12 deg 7 min W)

Log/Direction/Speed (feet/min)/Serial Number:

Optical Televiewer (OTV), Up, 6
Acoustic Televiewer (ATV), Up, 6
Natural Gamma Ray, Up, 15
FluidTemperature and Conductivity, Down, 15
Caliper, Up, 25
Heat Pulsie Flow Meter (HPFM), Pumped and Ambient, Up andDown, stationary
Formation Resistivity (N16, N64)
Single Point Resistence (SPR)
Single Point (SP)

Notes:

Dip angle and direction determined by Earth Data using OTV log
FLUTe ports, packer sample results, PCE sample results, hydrostratigraphy, and annotation added by CDM.



R2-0007583

1225 Ponce de Leon Avenue
VIG Tower, Suite 603
San Juan, PR 00907
Telephone: 787-722-4000
Fax: 787-722-6607

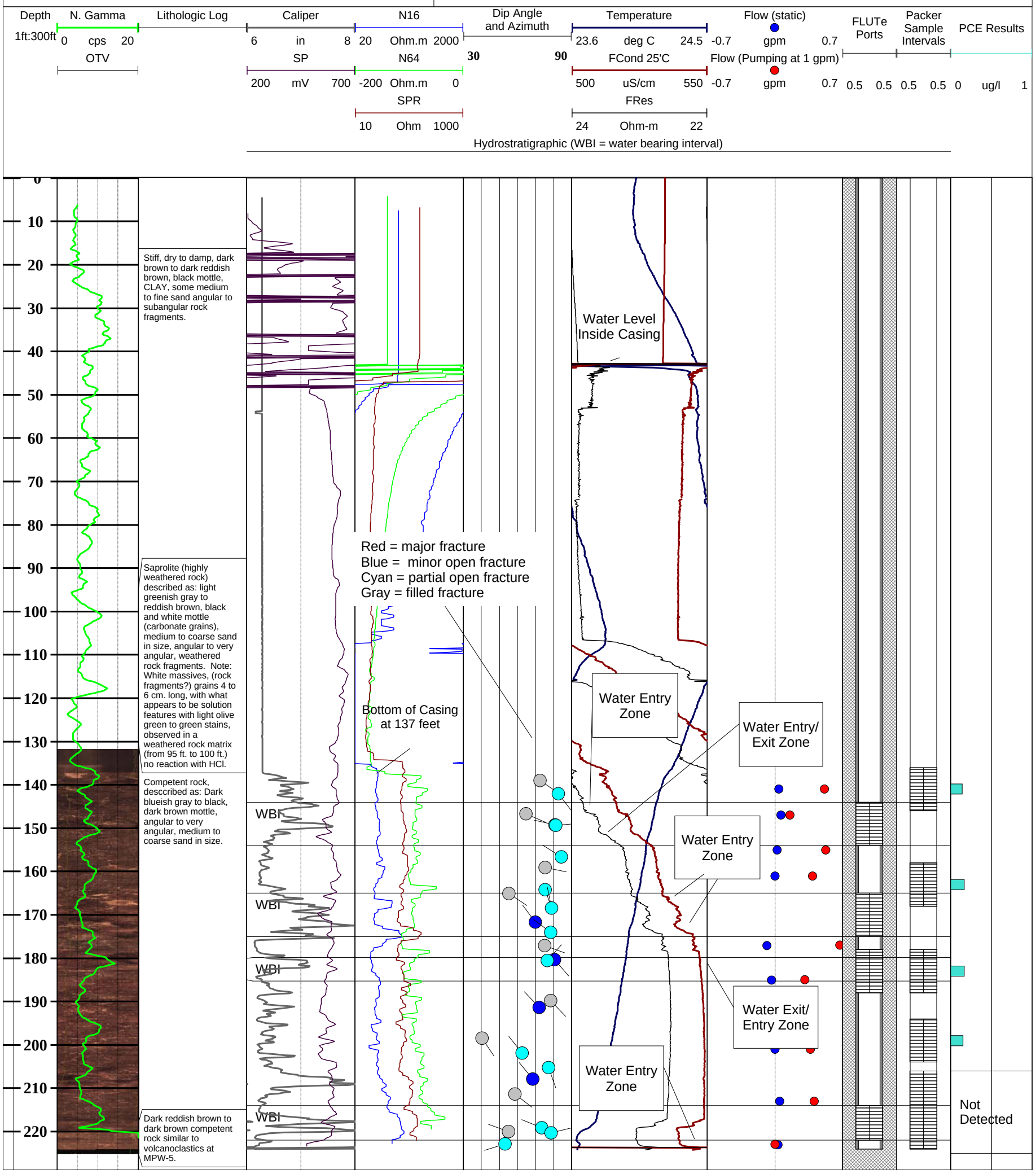
Data Aquisition By:	Earth Data Northeast, Inc.
Location:	Behind staging area, in driveway
Well Name:	MPW-2
Date:	4/17/08 (last revised)
Reference:	Ground Surface
Field Operator:	GS / RB
City / County:	Cidra
State / Province:	Puerto Rico
Country:	United States
Borehole Diameter:	6 inches
Log interval:	open well
North reference:	True
Magnetic Declination:	-12.1 (12 deg 7 min W)

Log/Direction/Speed (feet/min)/Serial Number:

Optical Televiewer (OTV), Up, 6
Acoustic Televiewer (ATV), Up, 6
Natural Gamma Ray, Up, 15
FluidTemperature and Conductivity, Down, 15
Caliper, Up, 25
Heat Pulsie Flow Meter (HPFM), Pumped and Ambient, Up andDown, stationary
Formation Resistivity (N16, N64)
Single Point Resistence (SPR)
Single Point (SP)

Notes:

Dip angle and direction determined by Earth Data
FLUTe ports, packer sample results, PCE sample results, hydrostratigraphy, and annotation added by CDM



R2-0007584

CDM Smith

1225 Ponce de Leon Avenue
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San Juan, PR 00907
Telephone: 787-722-4000
Fax: 787-722-6607

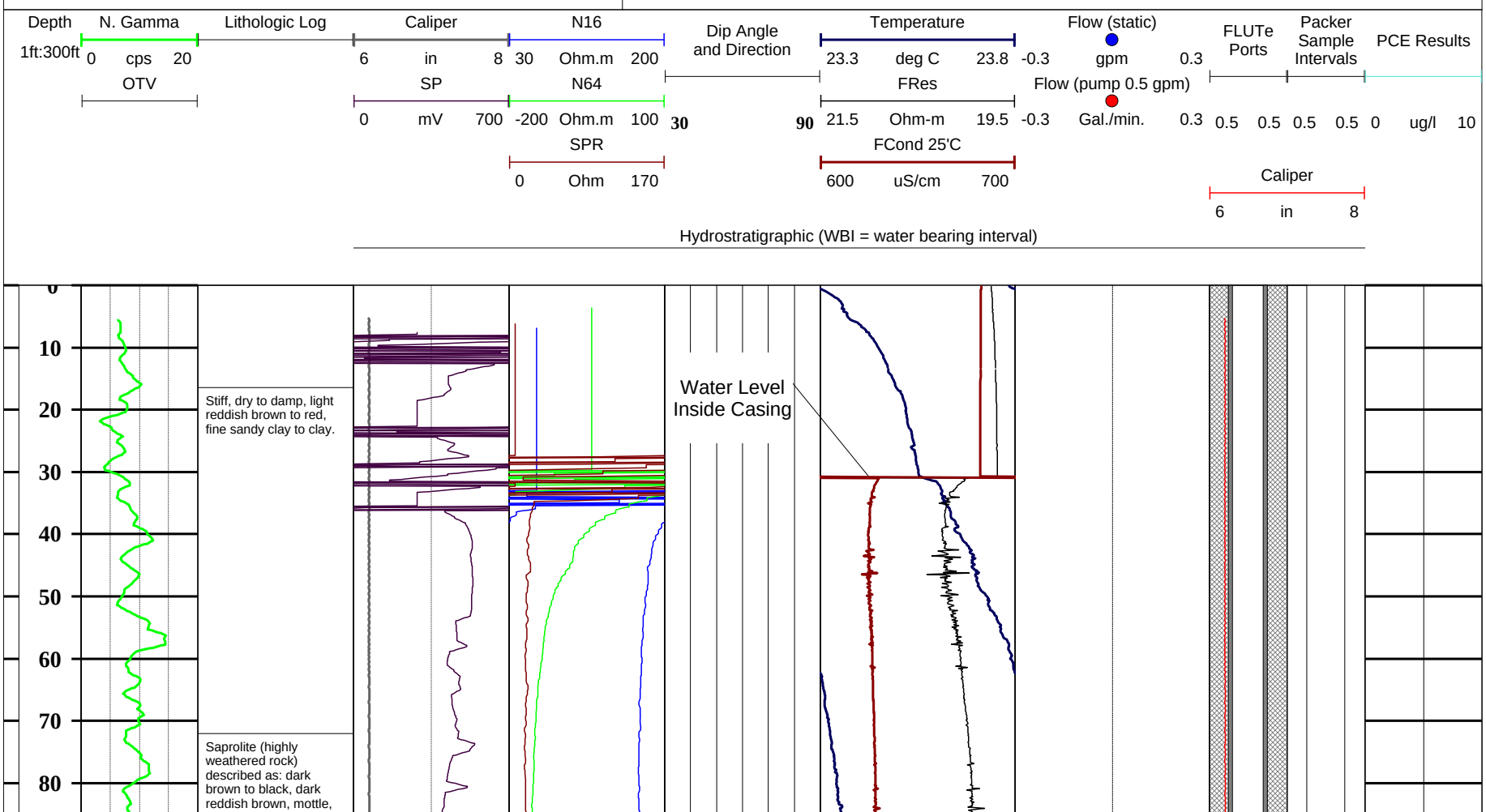
Data Aquisition By:	Earth Data Northeast, Inc.
Location:	Town of Cidra
Well Name:	MPW-3
Date:	4/17/08 (last revised)
Reference:	Ground Surface
Field Operator:	GS / RB
City / County:	Cidra
State / Province:	Puerto Rico
Country:	United States
Borehole Diameter:	6 inches
Log interval:	open well
North reference:	True
Magnetic Declination:	-12.1 (12 deg 7 min W)

Log/Direction/Speed (feet/min)/Serial Number:

Optical Televiewer (OTV), Up, 6
Acoustic Televiewer (ATV), Up, 6
Natural Gamma Ray, Up, 15
FluidTemperature and Conductivity, Down, 15
Caliper, Up, 25
Heat Pulsie Flow Meter (HPFM), Pumped and Ambient, Up andDown, stationary
Formation Resistivity (N16, N64)
Single Point Resistence (SPR)
Single Point (SP)

Notes:

Dip angle and direction determined by Earth Data
FLUTe ports, packer sample results, PCE sample results, hydrostratigraphy, and annotation added by CDM



R2-0007585

1225 Ponce de Leon Avenue
VIG Tower, Suite 603
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Telephone: 787-722-4000
Fax: 787-722-6607

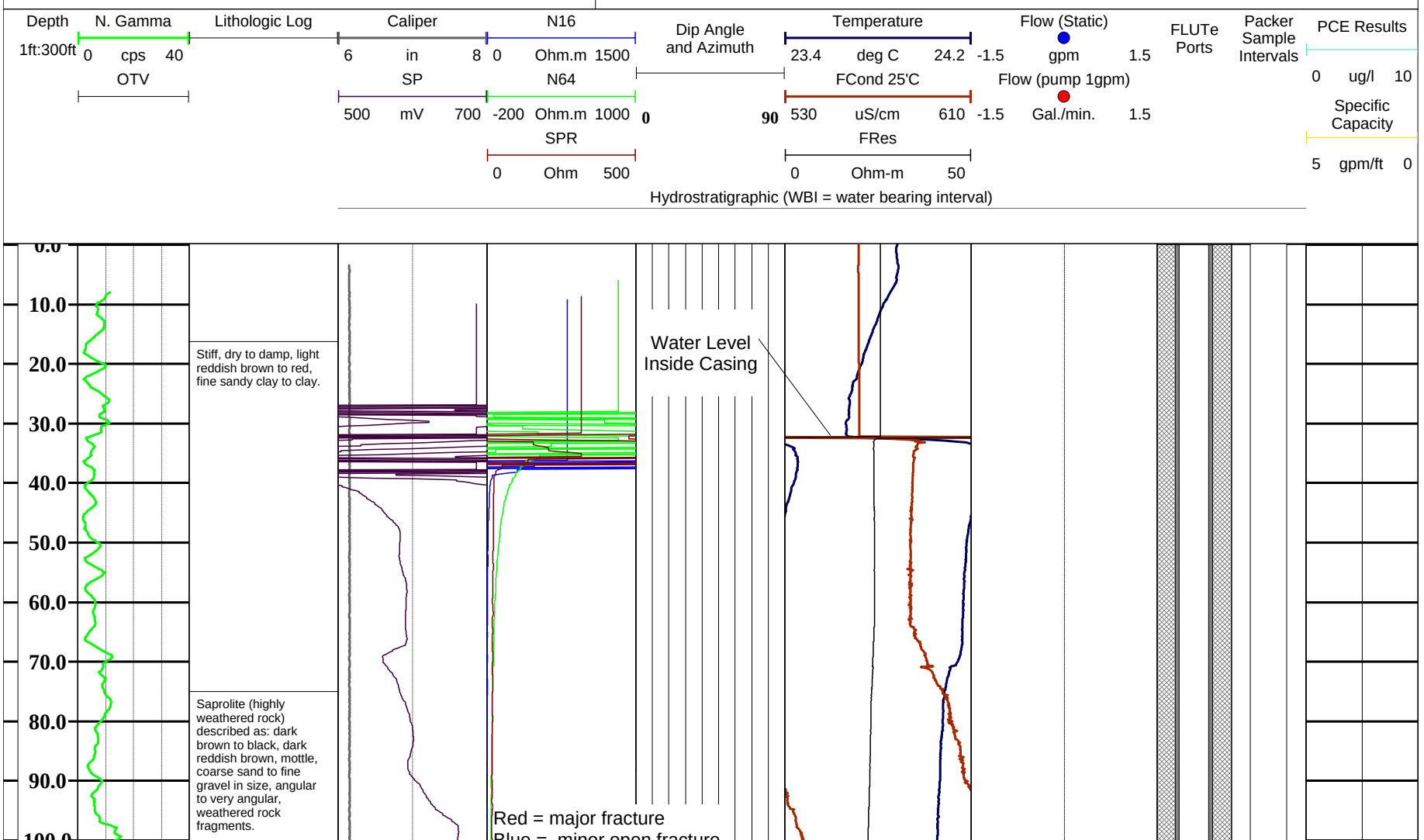
Data Aquisition By:	Earth Data Northeast, Inc.
Location:	Town of Cidra
Well Name:	MPW-4
Date:	4/17/08 (last revised)
Reference:	Ground Surface
Field Operator:	GS / RB
City / County:	Cidra
State / Province:	Puerto Rico
Country:	United States
Borehole Diameter:	6 inches
Log interval:	open well
North reference:	True
Magnetic Declination:	-12.1 (12 deg 7 min W)

Log/Direction/Speed (feet/min)/Serial Number:

Optical Televiewer (OTV), Up, 6
Acoustic Televiewer (ATV), Up, 6
Natural Gamma Ray, Up, 15
FluidTemperature and Conductivity, Down, 15
Caliper, Up, 25
Heat Pulsie Flow Meter (HPFM), Pumped and Ambient, Up andDown, stationary
Formation Resistivity (N16, N64)
Single Point Resistence (SPR)
Single Point (SP)

Notes:

Dip angle and direction determined by Earth Data
FLUTe ports, packer sample results, PCE sample results, hydrostratigraphy, and annotation added by CDM



CDM Smith

1225 Ponce de Leon Avenue
VIG Tower, Suite 603
San Juan, PR 00907
Telephone: 787-722-4000
Fax: 787-722-6607

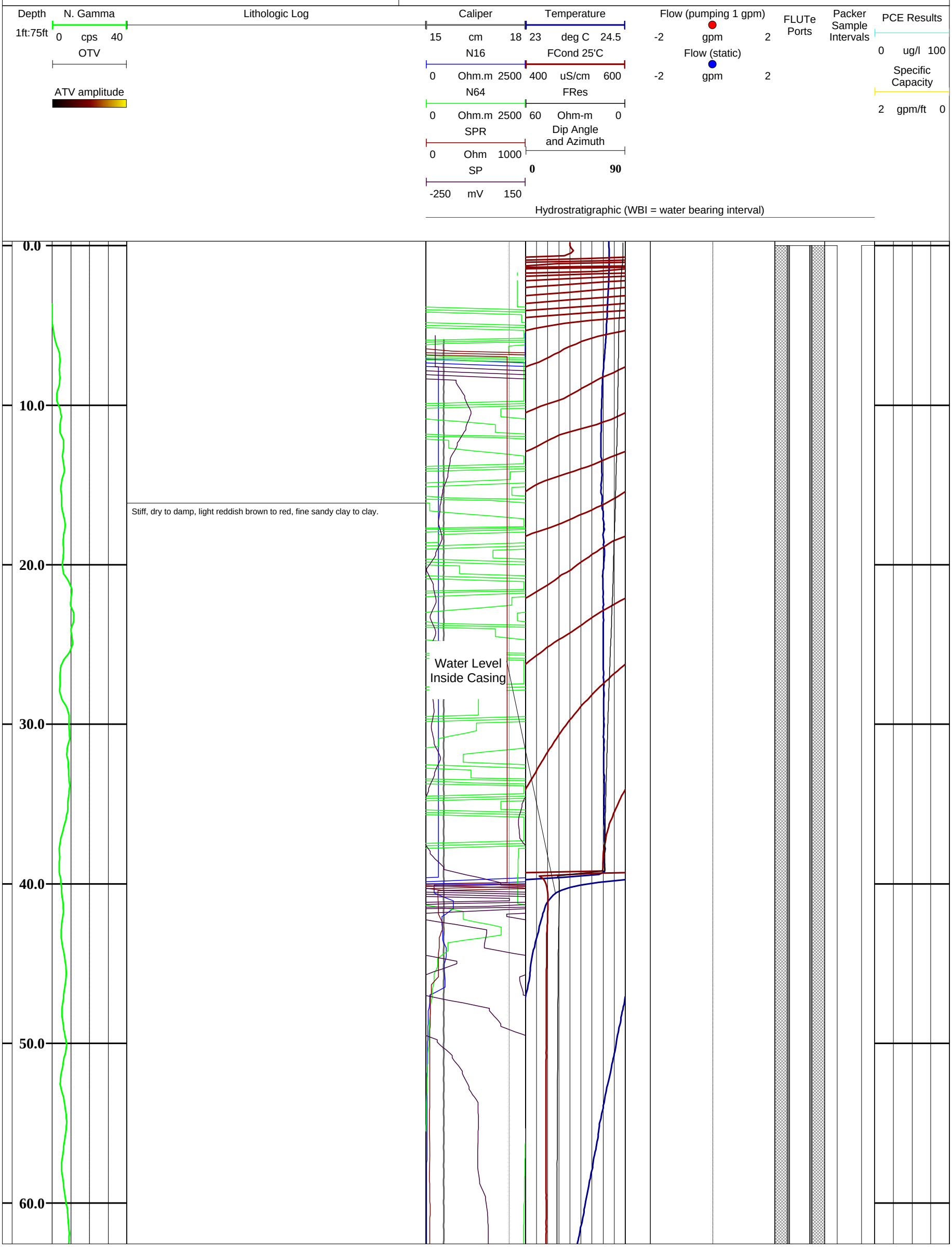
Data Aquisition By:	Earth Data Northeast, Inc.
Location:	CDM staging area
Well Name:	MPW-5
Date:	4/16/08 (last revised)
Reference:	Ground Surface
Field Operator:	GS / RB
City / County:	Cidra
State / Province:	Puerto Rico
Country:	United States
Borehole Diameter:	6 inches
Log interval:	open well
North reference:	True
Magnetic Declination:	-12.1 (12 deg 7 min W)

Log/Direction/Speed (feet/min)/Serial Number:

Optical Televiewer (OTV), Up, 6
Acoustic Televiewer (ATV), Up, 6
Natural Gamma Ray, Up, 15
FluidTemperature and Conductivity, Down, 15
Caliper, Up, 25
Heat Pulsie Flow Meter (HPFM), Pumped and Ambient, Up andDown, stationary
Formation Resistivity (N16, N64)
Single Point Resistence (SPR)
Single Point (SP)

Notes:

Dip angle and direction determined by Earth Data
FLUTe ports, packer sample results, PCE sample results, hydrostratigraphy, and annotation added by CDM



R2-0007587

70.0

Saprolite (highly weathered rock) described as: (drill cuttings) Dark brown to to black, dark reddish brown mottle, coarse sand to fine gravel in size, angular to very angular, weathered rock fragments. transition to competent rock.

80.0

90.0

100.0

Red = major fracture
Blue = minor open fracture
Cyan = partial open fracture
Gray = filled fracture

110.0

Bottom of Casing at 123 feet

120.0

Competent rock, from fragments: Volcanoclastic rock described as: Gray to dark blueish gray, light gray to white mottle, few carbonate grains observed in cuttings, angular to very angular fragments, medium to fine sand in size, some translucent light greenish gray to light green, crystals associated with carbonate grains/crystals in clasts.(observed at 240 tfs bgs.)

Porphyroblastic, dark gray to dark blueish gray rock, well indurated, abundant possibly quartz veins (no reaction with HCL) and some Fe stains in fractures.

130.0

Porphyroblastic,dark gray to dark blueish gray rock, well indurated, abundant possibly quartz veins (no reaction with HCL) and some Fe stains in fractuters.

Porphyroblastic,dark gray to dark blueish gray, well indurated, abundant possibly quartz veins (no reaction with HCL) and some Fe stains in fractuters, fractures with abundant minerals (light colored) +/- 45 degree angle to vertical, possibly Fe Stain in all fractures.

WBI

"Dark gray to dark blueish gray, well indurated, abundant possibly quartz veins from 138 ft - 140 ft (no reaction with HCL) and some Fe stains in fractures, abundant vertical fractures crossed by minor horizontal fractures"

140.0

Dark gray to dark blueish gray, well indurated, abundant possibly quartz veins (no reaction with HCL) and some Fe stains in fractures, abundant vertical fractures crossed by minor horizontal fractures at 145 ft, light reddish brown to brown irregular inclusions with porphryoblacstic texture from 147 ft to 148 ft, heavily fractured with angular to subangular rock fragments.

Volcanoclastic, graditional, dark blueish gray to gray with reddish brown to brown inclusion,well indurated, abundant posibly quartz veins with evidence of metamorphism, vertical fracture from 150 ft to 151 ft with evidence of Fe stains.

WBI

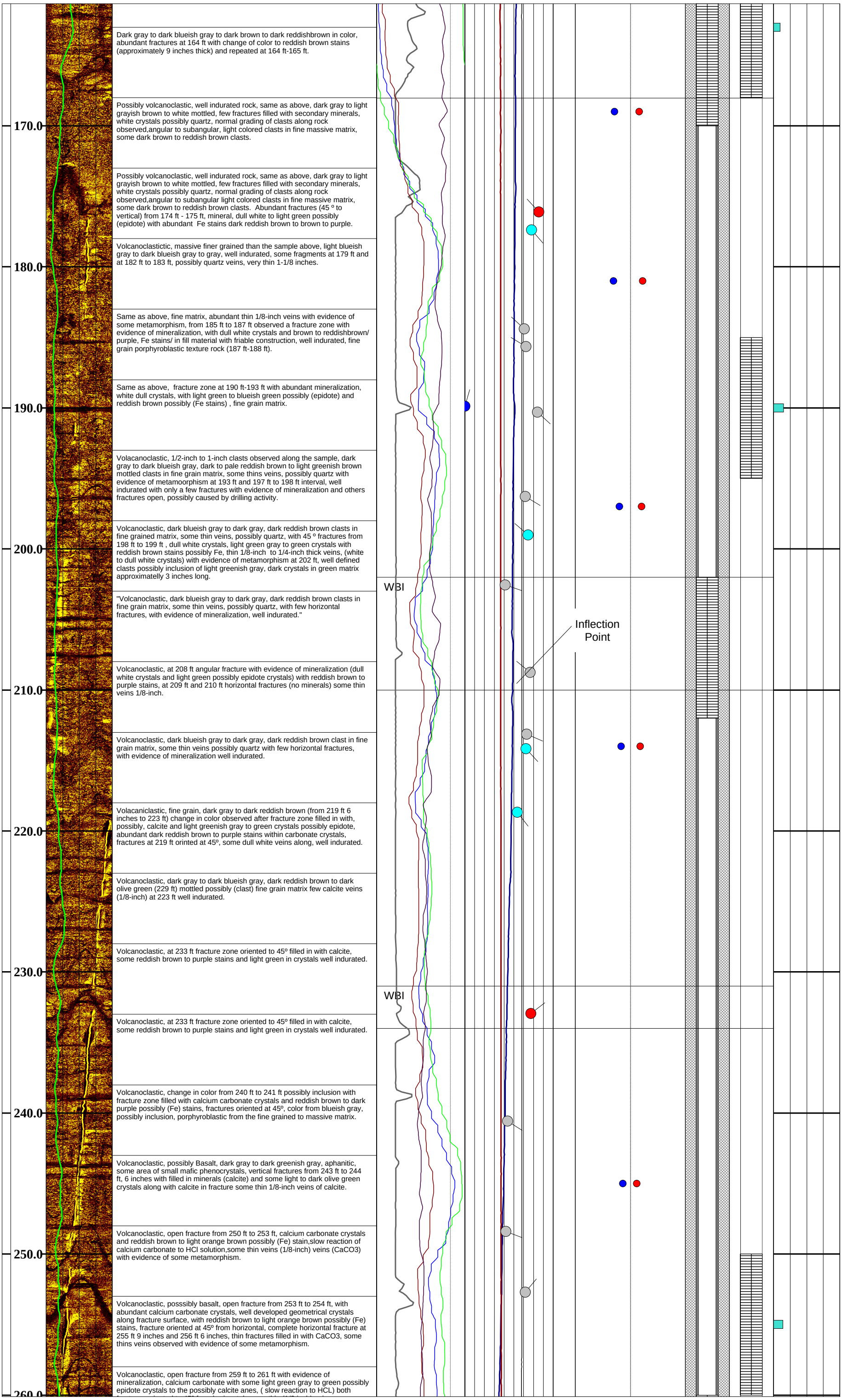
150.0

Dark blueish gray to gray with reddish brown to brown inclusions at 155 ft and 157 ft 4"" to 158 ft in graditional particle grain size from thin to coarse grain possibly clast along the sample.

Reddish brown to brown in color possibly Fe stained, graditional in particle (Clast) size along the sample. Abundant fractures at 161' ft,evidence of mineralization posssibly quartz, change in sample color from 162' ft to 163' ft to dark blueish gray to dark gray.

160.0

Water Entrance, Ambient and Pumped


170.0
180.0
190.0
200.0
210.0
220.0
230.0
240.0
250.0
260.0
Dark gray to dark blueish gray to dark brown to dark reddishbrown in color, abundant fractures at 164 ft with change of color to reddish brown stains (approximately 9 inches thick) and repeated at 164 ft-165 ft.
Possibly volcanoclastic, well indurated rock, same as above, dark gray to light grayish brown to white mottled, few fractures filled with secondary minerals, white crystals possibly quartz, normal grading of clasts along rock observed,angular to subangular, light colored clasts in fine massive matrix, some dark brown to reddish brown clasts.
Possibly volcanoclastic, well indurated rock, same as above, dark gray to light grayish brown to white mottled, few fractures filled with secondary minerals, white crystals possibly quartz, normal grading of clasts along rock observed,angular to subangular light colored clasts in fine massive matrix, some dark brown to reddish brown clasts. Abundant fractures (45 º to vertical) from 174 ft - 175 ft, mineral, dull white to light green possibly (epidote) with abundant Fe stains dark reddish brown to brown to purple.
Volcanoclastictic, massive finer grained than the sample above, light blueish gray to dark blueish gray to gray, well indurated, some fragments at 179 ft and at 182 ft to 183 ft, possibly quartz veins, very thin 1-1/8 inches.
Same as above, fine matrix, abundant thin 1/8-inch veins with evidence of some metamorphism, from 185 ft to 187 ft observed a fracture zone with evidence of mineralization, with dull white crystals and brown to reddishbrown/ purple, Fe stains/ in fill material with friable construction, well indurated, fine grain porphyroblastic texture rock (187 ft-188 ft).
Same as above, fracture zone at 190 ft-193 ft with abundant mineralization, white dull crystals, with light green to blueish green possibly (epidote) and reddish brown possibly (Fe stains) , fine grain matrix.
Volacanoclastic, 1/2-inch to 1-inch clasts observed along the sample, dark gray to dark blueish gray, dark to pale reddish brown to light greenish brown mottled clasts in fine grain matrix, some thins veins, possibly quartz with evidence of metamoorphism at 193 ft and 197 ft to 198 ft interval, well indurated with only a few fractures with evidence of mineralization and others fractures open, possibly caused by drilling activity.
Volcanoclastic, dark blueish gray to dark gray, dark reddish brown clasts in fine grained matrix, some thin veins, possibly quartz, with 45 º fractures from 198 ft to 199 ft , dull white crystals, light green gray to green crystals with reddish brown stains possibly Fe, thin 1/8-inch to 1/4-inch thick veins, (white to dull white crystals) with evidence of metamorphism at 202 ft, well defined clasts possibly inclusion of light greenish gray, dark crystals in green matrix approximatelly 3 inches long.
"Volcanoclastic, dark blueish gray to dark gray, dark reddish brown clasts in fine grain matrix, some thin veins, possibly quartz, with few horizontal fractures, with evidence of mineralization, well indurated."
Volcanoclastic, at 208 ft angular fracture with evidence of mineralization (dull white crystals and light green possibly epidote crystals) with reddish brown to purple stains, at 209 ft and 210 ft horizontal fractures (no minerals) some thin veins 1/8-inch.
Volcanoclastic, dark blueish gray to dark gray, dark reddish brown clast in fine grain matrix, some thin veins possibly quartz with few horizontal fractures, with evidence of mineralization well indurated.
Volacaniclastic, fine grain, dark gray to dark reddish brown (from 219 ft 6 inches to 223 ft) change in color observed after fracture zone filled in with, possibly, calcite and light greenish gray to green crystals possibly epidote, abundant dark reddish brown to purple stains within carbonate crystals, fractures at 219 ft orinted at 45º, some dull white veins along, well indurated.
Volcanoclastic, dark gray to dark blueish gray, dark reddish brown to dark olive green (229 ft) mottled possibly (clast) fine grain matrix few calcite veins (1/8-inch) at 223 ft well indurated.
Volcanoclastic, at 233 ft fracture zone oriented to 45º filled in with calcite, some reddish brown to purple stains and light green in crystals well indurated.
Volcanoclastic, at 233 ft fracture zone oriented to 45º filled in with calcite, some reddish brown to purple stains and light green in crystals well indurated.
Volcanoclastic, change in color from 240 ft to 241 ft possibly inclusion with fracture zone filled with calcium carbonate crystals and reddish brown to dark purple possibly (Fe) stains, fractures oriented at 45º, color from blueish gray, possibly inclusion, porphyroblastic from the fine grained to massive matrix.
Volcanoclastic, possibly Basalt, dark gray to dark greenish gray, aphanitic, some area of small mafic phenocrystals, vertical fractures from 243 ft to 244 ft, 6 inches with filled in minerals (calcite) and some light to dark olive green crystals along with calcite in fracture some thin 1/8-inch veins of calcite.
Volcanoclastic, open fracture from 250 ft to 253 ft, calcium carbonate crystals and reddish brown to light orange brown possibly (Fe) stain,slow reaction of calcium carbonate to HCl solution,some thin veins (1/8-inch) veins (CaCO3) with evidence of some metamorphism.
Volcanoclastic, posssibly basalt, open fracture from 253 ft to 254 ft, with abundant calcium carbonate crystals, well developed geometrical crystals along fracture surface, with reddish brown to light orange brown possibly (Fe) stains, fracture oriented at 45º from horizontal, complete horizontal fracture at 255 ft 9 inches and 256 ft 6 inches, thin fractures filled in with CaCO3, some thins veins observed with evidence of some metamorphism.
Volcanoclastic, open fracture from 259 ft to 261 ft with evidence of mineralization, calcium carbonate with some light green gray to green possibly epidote crystals to the possibly calcite anes, (slow reaction to HCL) both
WBI
Inflection Point
WBI

R2-0007589

fractures oriented to 45º from horizontal, some thin (1/8 inch) veins.

Volcanoclastic, from 263 ft to 268 ft, transition from 266 ft to 268 ft, dark gray to greenish gray, dark reddish brown to to brown mottle possibly (clast / intrusion) with porphyroblastic texture observed at 264 ft 8 inches , 30º from horizontal with CaCO3 crystals, well developed at 263 ft.

270.0

Volcanoclastic, dark green gray to dark reddish brown possibly (Clast/ Inclusion) observed at 270 ft 3 inches, a fine grain matrix, open fracture observed at 271 ft fill with well developed CaCO3 crystals, some reddish brown stain possibly (Fe).

Volcanoclastic, open fracture approximately 45º from horizontal from 273 ft 6 inches to 274 ft 8 inches, with CaCO3 crystals fill in, abundant light green translucent crystals associated with the CaCO3 crystals, dark reddish brown to brown possibly (Fe) stains on calcite crystals surface few thin veins with evidence of smaller metamorphism.

280.0

Volcanoclastic, open fracture at 280 ft 4 inches, 20º from horizontal, dark reddish brown to brown possibly (Fe) stains, second set of fractures, fracture zones, open, well developed calcium carbonate and reddish brown stains possibly (Fe) from 282 ft to 283 ft oriented 45º from horizontal.

Volcanoclastic,horizontal fracture observed at 286 ft with dark reddish brown to brown possibly (Fe) stains and some Calcium Carbonate (slow reaction to HCL) crystals well defined, clast possibly an inclusion, observed at 283 ft 6 inches (2 inches in diameter), 284 ft (2.5 inches in diameter) dark reddsish brown to brown and 287 ft 6 inches (4.5 inches in diameter) mafic crystals, porphy texture.

290.0

Volcanoclastic, dark green gray to gray abundant clasts, possibly inclusions of various texture (porphyroclastic to afamite), note clast at 283 ft 8 inches (4.5 inches in diameter) of dark greenish gray to dark green in color with well developed, dull white to greenish white in fine matrix. (Clast of porphyroclastic texture).

Volcanoclastic, small fracture at 295 ft, no evidence of typical Calcite very competent rock sample.

300.0

Volcanoclastic, dark greenish gray to blueish gray to dark gray, dark reddish brown to brown and black mottle, one open fracture oriented 45º at 302 ft with some CaCO3 possibly (Fe) stains.

Volcanoclastic, good size (3-6 inches) clast, possibly inclusion in fine grain matrix, few veins presenting some evidence of metamorphism, fractures at 304 ft, 306 ft and 307 ft.

310.0

Volconoclastic, few hair line cracks no major fractures observed, some CaCO3 veins with slow reaction to HCl, very competent rock sample.

Same as above, volcanoclastic, large, good size clast possibly inclusion, 2-4 inches, fractures at 313 ft 6"" and 314 ft 6 "" with reddishbrown (Fe) stains and some CaCO3 (slow reaction with HCL") some thins veins(1/8""-inch) of CaCo3, with some metamorphism.

320.0

Volcanoclastic, predominately dark reddish gray to dark reddish brown, mottled from 318 ft to 320 ft, change to dark gray to dark greenish gray, then - fracture 45º from horizontal, filled in with CaCO3, thin CaCO3 veins, slow reaction with HCL) at 320 ft 8 inches with evidence of some metamorphism, grain size change observed along core sample, from 318 ft to 320 ft, sample present fine matrix.

Volcaniclastic, porphyroblastic texture , dark greenish gray to olive green (dark) black, white and pale green mottled at 323 ft fracture, oriented at 45º from horizontal with evidence of mineralization, calcium carbonate crystals, light green gray to light translucent green crystals, similar appereance to serpentinite in texture, possibly epidote, no reaction with HCL (green crystals) at 324 ft, another fine fracture, oriented at 45º from horizontal, well cemented with white dull crystals (no reaction with HCl) some thin CaCO3 veins with evidence of some metamorphism and various grain sizes observed.

WBI

Water Exit, Ambient Water Entrance, Pumped

Hydrostratigraphic (WBI = water bearing interval)

SP -250 mV 150

SPR 0 Ohm 1000

Dip Angle and Azimuth 0 90

ATV amplitude

OTV

N64 0 Ohm.m 2500

FRes 60 Ohm-m 0

N16 0 Ohm.m 2500

FCond 25'C 400 uS/cm 600

Flow (static) -2 gpm 2

Specific Capacity 2 gpm/ft 0

PCE Results 0 ug/l 100

Depth 1ft:75ft

N. Gamma 0 cps 40

Lithologic Log

Caliper 15 cm 18

Temperature 23 deg C 24.5

Flow (pumping 1 gpm) -2 gpm 2

FLUTe Ports

Packer Sample Intervals

CDM Smith

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VIG Tower, Suite 603
San Juan, PR 00907
Telephone: 787-722-4000
Fax: 787-722-6607

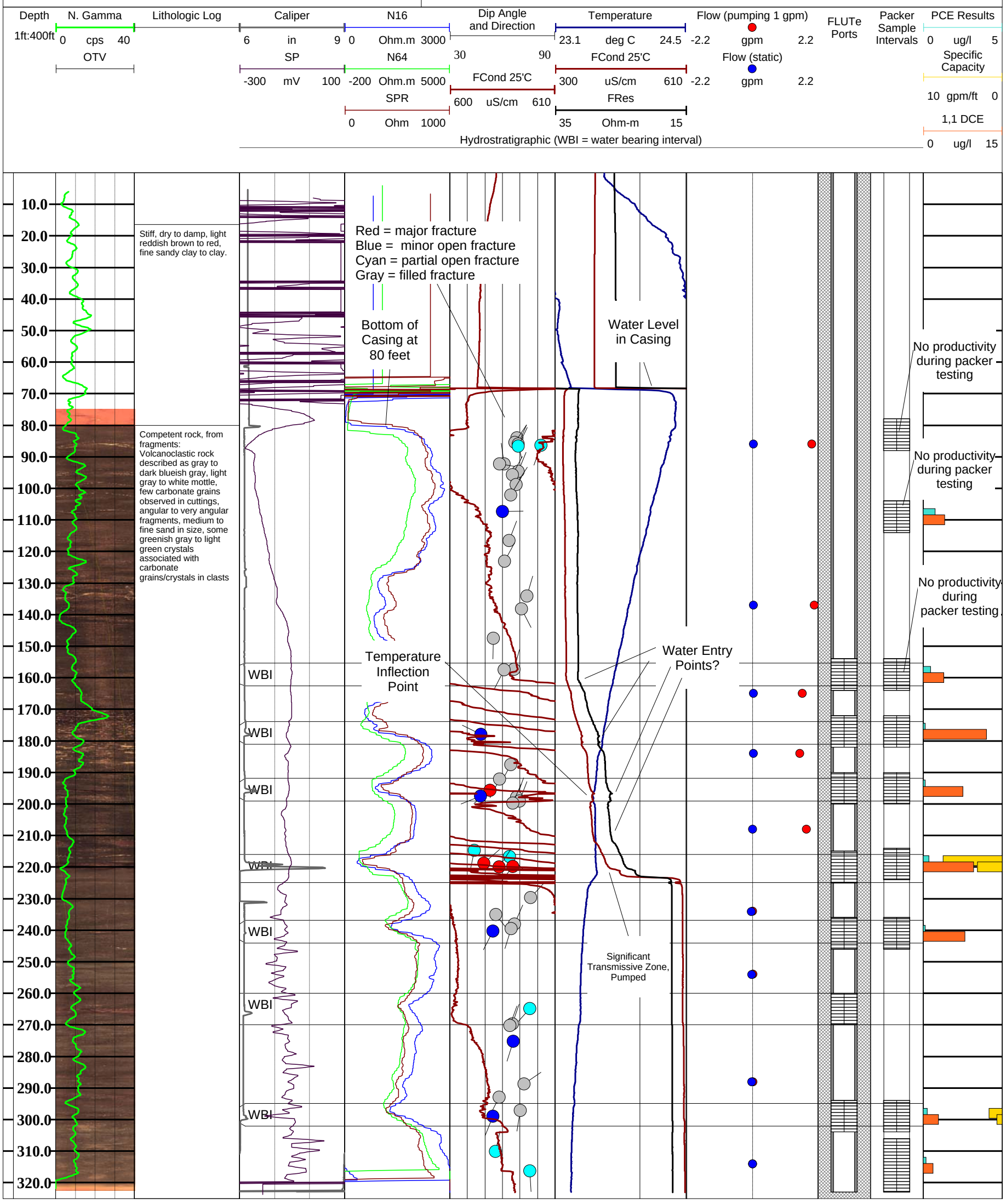
Data Aquisition By:	Earth Data Northeast, Inc.
Location:	IVAX Facility
Well Name:	MPW-6
Date:	4/17/08 (last revised)
Reference:	Ground Surface
Field Operator:	GS / RB
City / County:	Cidra
State / Province:	Puerto Rico
Country:	United States
Borehole Diameter:	6 inches
Log interval:	open well
North reference:	True
Magnetic Declination:	-12.1 (12 deg 7 min W)

Log/Direction/Speed (feet/min)/Serial Number:

Optical Televiewer (OTV), Up, 6
Acoustic Televiewer (ATV), Up, 6
Natural Gamma Ray, Up, 15
FluidTemperature and Conductivity, Down, 15
Caliper, Up, 25
Heat Pulsie Flow Meter (HPFM), Pumped and Ambient, Up andDown, stationary
Formation Resistivity (N16, N64)
Single Point Resistence (SPR)
Single Point (SP)

Notes:

Dip angle and direction determined by Earth Data
FLUTe ports, packer sample results, PCE sample results, hydrostratigraphy, and annotation added by CDM



R2-0007591

Appendix E
Recommendation for Damaged Multiport Monitoring Well MPW 6

CDM Smith

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New York, New York 10038
tel: 212 785-9123
fax: 212 785-6114

June 14, 2010

Mr. Adalberto Bosque
Remedial Project Manager
U.S. Environmental Protection Agency
Caribbean Environmental Protection Division
Centre Europa Building, Suite 417
1492 Ponce de Leon Avenue
Santurce, Puerto Rico 00907

PROJECT:	EPA Region 2 RAC2, Contract No.: EP-W-09-002 Work Assignment No.: 004-RICO-02WE
DOC CONTROL NO.:	3320-004-00477
SUBJECT:	Recommendations for Damaged Multiport Monitoring Well MPW-6 Cidra Groundwater Contamination Superfund Site, Cidra, Puerto Rico

Dear Mr. Bosque:

The attached discussion presents options for reconstruction of the damaged multiport monitoring well (MPW-6) at the Cidra site in Cidra, Puerto Rico. A recommended option is also provided. CDM would like to develop a resolution for this well in concert with EPA, and suggests a conference call during the week of June 14.

If you have any questions regarding this submittal, please contact me at (787) 722-5406.

Very truly yours,

CDM FEDERAL PROGRAMS CORPORATION

Michael Valentino, P.G.
Project Manager

PSO:_____

cc: F. Rosado, EPA Region 2
D. Cutt, EPA Region 2
J. Litwin, CDM
F. Gellati, CDM
RAC2 Document Control

R2-0007593

Recommendations for
Damaged Multiport Monitoring Well, MPW-6

Background

On April 7, 2010, CDM took water levels in the multiport wells at the Cidra site and found that the water levels in the MPW-6 liner and the ports were the same. This indicated that the liner in the multiport well is torn. If operating properly, a positive head is maintained on the FLUTe liner by filling the liner with water to a level above the natural water level in the formation. This positive head keeps the liner pressed against the borehole wall so that it can operate properly. This situation also occurred when the blank liner was removed before installing the multilevel FLUTe well in December 2008. A tear in the liner was found at about 220 feet. Geophysical logs for this well exhibited a significant water producing zone and a major fracture at 220 feet. The geophysical logs are attached.

The cause and location of the tear in the multiport well liner is unknown but may be due to rapid drawdown in the multiport well caused by pumping of the nearby production wells. The two production wells are located approximately 20 feet from MPW-6. A drawdown of 60 feet was observed in the MPW-6 borehole when the pumps were in operation, indicating that fractures within these wells are likely connected. This drawdown, combined with the jagged edges of the large fracture zone at 220 feet, exert pressure on liner which may result in a tear. This monitoring point is important to characterize groundwater flow at the site, especially within this fracture zone at 220 feet since it defines a boundary of groundwater flow regimes at the site. Groundwater level readings were collected on January 12, 2009 and groundwater samples were collected on January 19, 2009 from this well (see attached Figures 2-4 and 2-7)

Options

Three options are available to remedy the situation at multiport well MPW-06. Each option is discussed below. The cost estimates for the three options are also discussed.

- Abandon MPW-06
- Replace the FLUTe multiport well in MPW-06 with a new FLUTe liner.
- Replace the multiport well in MPW-06 with a standard monitoring well with a single screen interval

Abandon MPW-6

Abandoning well MPW-06 would involve removing the FLUTe multiport well and backfilling the borehole with cement bentonite grout using a tremie pipe. Bentonite chips might also be used to bridge large fractures such as that observed at 220 feet. This is the least expensive option but would remove this location completely from the monitoring well network at the site.

R2-0007594

Replace the FLUTe Liner

Replacing the FLUTe multiport well would involve removing the old liner, locating the tear, ordering a new liner with reinforcement around the location of the tear, and installing the new FLUTe multiport well in the borehole. This is would be the most expensive option but would allow the well to continue to monitor the seven water bearing zones. However, there is no way to guarantee that the new liner would not be torn like the previous two liners installed in this borehole. It is anticipated to take:

- one day to remove and inspect the damaged liner
- one month to fabricate and ship the new reinforced liner
- two days to reinstall the tubing and ports in the new liner and install the multiport well in the borehole

A temporary blank liner is not recommended to be installed while waiting for the replacement liner since a high probability exists that it would be damaged similar to the previous one. Also the adjacent production wells and abandoned well are open holes so cross borehole flow is occurring regardless.

Construct a Standard Monitoring Well

Replacing the multiport well with a standard single-screen monitoring well would involve selecting a screened zone, removing the FLUTe multiport well, partially backfilling the borehole with cement/bentonite grout, bentonite chips and sand, and then installing the new well. Since the borehole is six inches in diameter the new well should be 2 inches in diameter to ensure proper placement of backfill. The construction of this well is expected to take three days. The advantage of this approach is that it would allow this location to continue to be used in the monitoring well network but without the risk of another liner tear. This option would cost less than replacing the FLUTe multiport well with a new multiport well. The loss of the other monitoring zones is acceptable because the results of groundwater sampling and water level monitoring as presented in the Technical Memorandum indicate that groundwater contamination at IVAX is not related to groundwater contamination observed at other parts of the site (see Figures 2-4 and 2-7).

Cost Comparison

Option	Abandon MPW-06	Replace well with new FLUTe liner	Replace well with standard monitoring well
Cost	$13,900	$24,424	$17,846

Note: Includes materials, subcontractor labor and CDM labor

R2-0007595

Recommendation

CDM recommends replacing the FLUTe multiport well with a standard single-screen monitoring well. The proposed screened interval is shown on the attached geophysical log (second column from the right labeled "monitoring well") and is 210 to 230 feet below the ground surface. This screen interval will bracket the major water bearing fracture at 220 feet; it was chosen because geophysical logs identified the fracture at 220 feet as the most significant water bearing zone in the borehole. Groundwater sampling during packer testing showed 1, 1-dichloroethene (1,1-DCE) at a concentration of 9.6 micrograms per liter (µg/L) in the sample from this fracture zone (see geophysical log). Subsequent groundwater sampling detected 1, 1-DCE at a concentration of 16 µg/L in this fracture zone. This was the highest concentration detected in any of the zones (see cross section A-A').

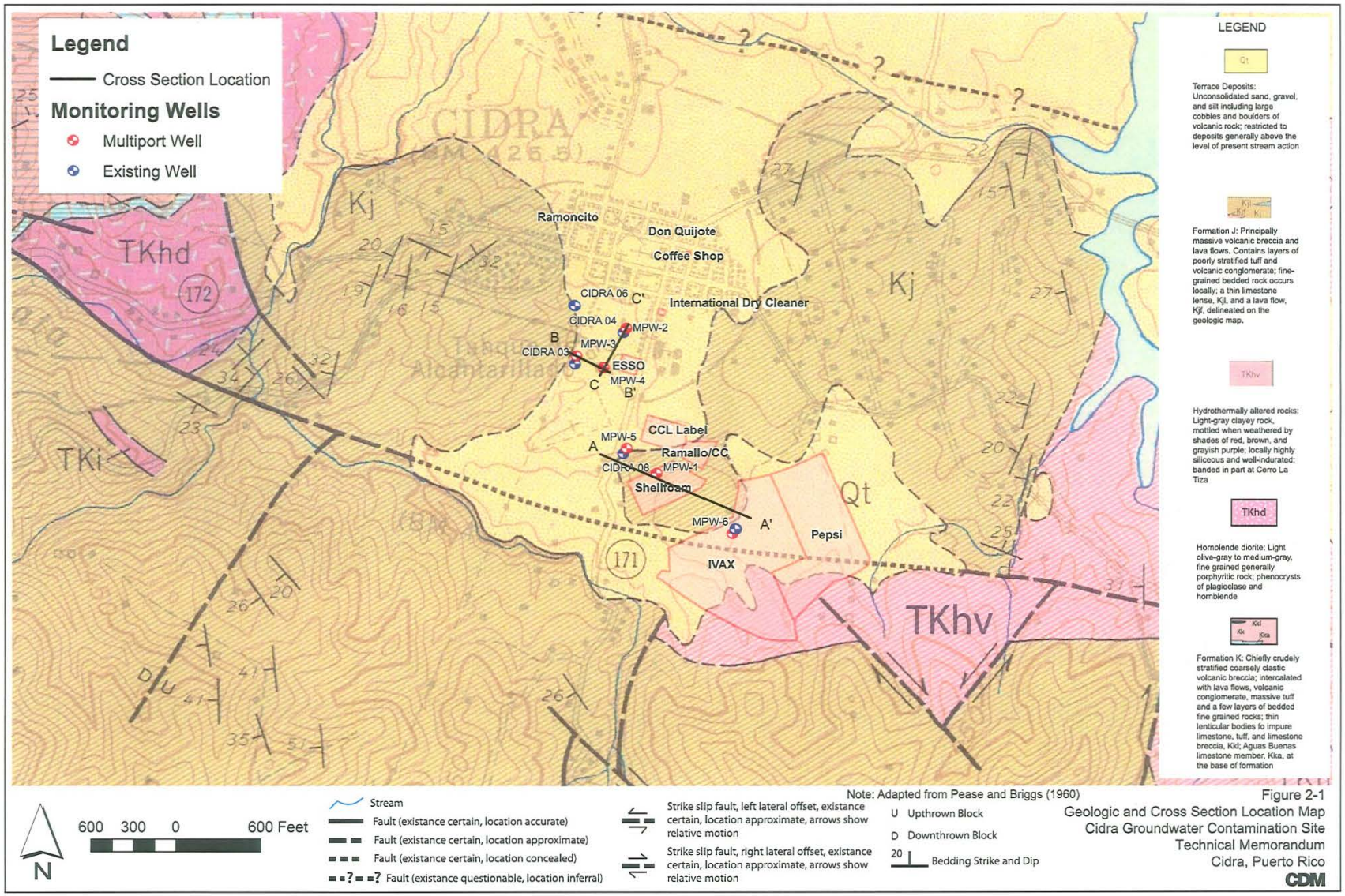
To complete installation of a single-screen well, the borehole will need to be partially backfilled. CDM recommends the backfilling procedure specified below.

- Remove the liner and measure the total depth of the borehole.
- Calculate the volume of the borehole below the bottom of the screen interval to the bottom of the borehole.
- Prepare a cement/bentonite grout mixture equal to 70% of the borehole volume and place this grout using a tremie pipe installed to the bottom of the borehole. This approach is recommended to maximize the borehole volume filled with grout while minimizing the chances that the screened interval will be grouted by mistake or that the reconstructed well will be contaminated with grout.
- Allow grout to set for 24 hours and then check the depth to the top of grout.
- Top off the grout with bentonite chips to a depth 5 to 10 feet below the bottom of the screen interval. Bentonite chips will provide a good seal and will also allow careful control of the placement depth.
- Immediately place filter pack sand on top of the bentonite chips to bring the backfill to the required depth.
- Construct the well following standard procedures.

The proposed reconstructed well is shown on the right side of the attached geophysical logs.

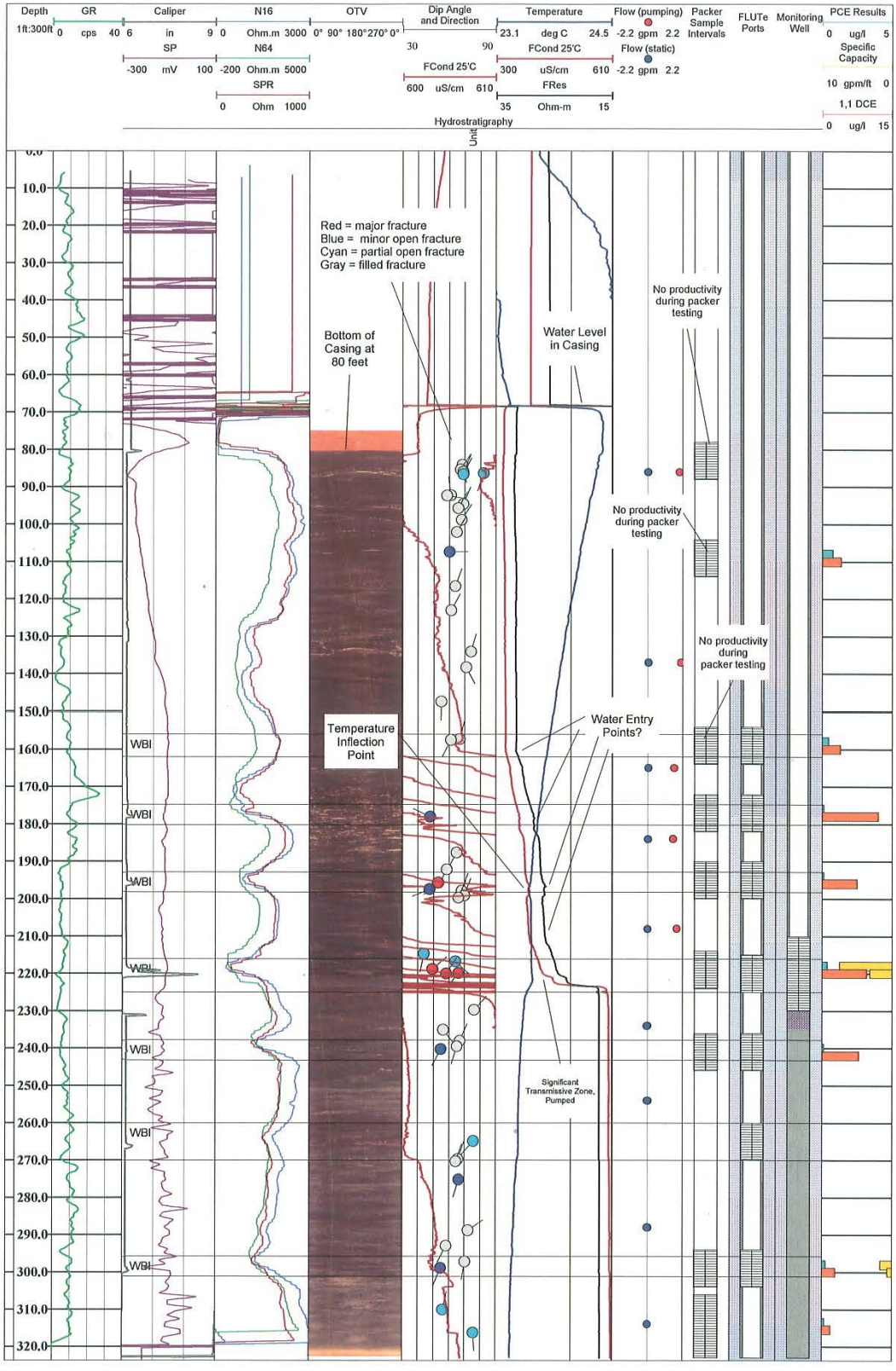
R2-0007596

Figures



Note: Adapted from Pease and Briggs (1960)

Figure 2-1
Geologic and Cross Section Location Map
Cidra Groundwater Contamination Site
Technical Memorandum
Cidra, Puerto Rico
CDM


Depth
1ft:300ft
GR
0 cps 40
Caliper
6 in 9
N16
0 Ohm.m 3000
OTV
0° 90° 180° 270° 0°
Dip Angle and Direction
30 90
Temperature
23.1 deg C 24.5
Flow (pumping)
-2.2 gpm 2.2
Packer Sample Intervals
FLUTe Ports
Monitoring Well
PCE Results
0 ug/l 5
SP
-300 mV 100
N64
-200 Ohm.m 5000
SPR
0 Ohm 1000
FCond 25'C
600 uS/cm 610
FCond 25'C
300 uS/cm 610
Flow (static)
-2.2 gpm 2.2
FRes
35 Ohm-m 15
Specific Capacity
10 gpm/ft 0
1,1 DCE
0 ug/l 15
Hydrostratigraphy
Unit
Red = major fracture
Blue = minor open fracture
Cyan = partial open fracture
Gray = filled fracture
Bottom of Casing at 80 feet
Water Level in Casing
No productivity during packer testing
No productivity during packer testing
No productivity during packer testing
Temperature Inflection Point
Water Entry Points?
WBI
WBI
WBI
WBI
WBI
WBI
Significant Transmissive Zone, Pumped
10.0
20.0
30.0
40.0
50.0
60.0
70.0
80.0
90.0
100.0
110.0
120.0
130.0
140.0
150.0
160.0
170.0
180.0
190.0
200.0
210.0
220.0
230.0
240.0
250.0
260.0
270.0
280.0
290.0
300.0
310.0
320.0

R2-0007599

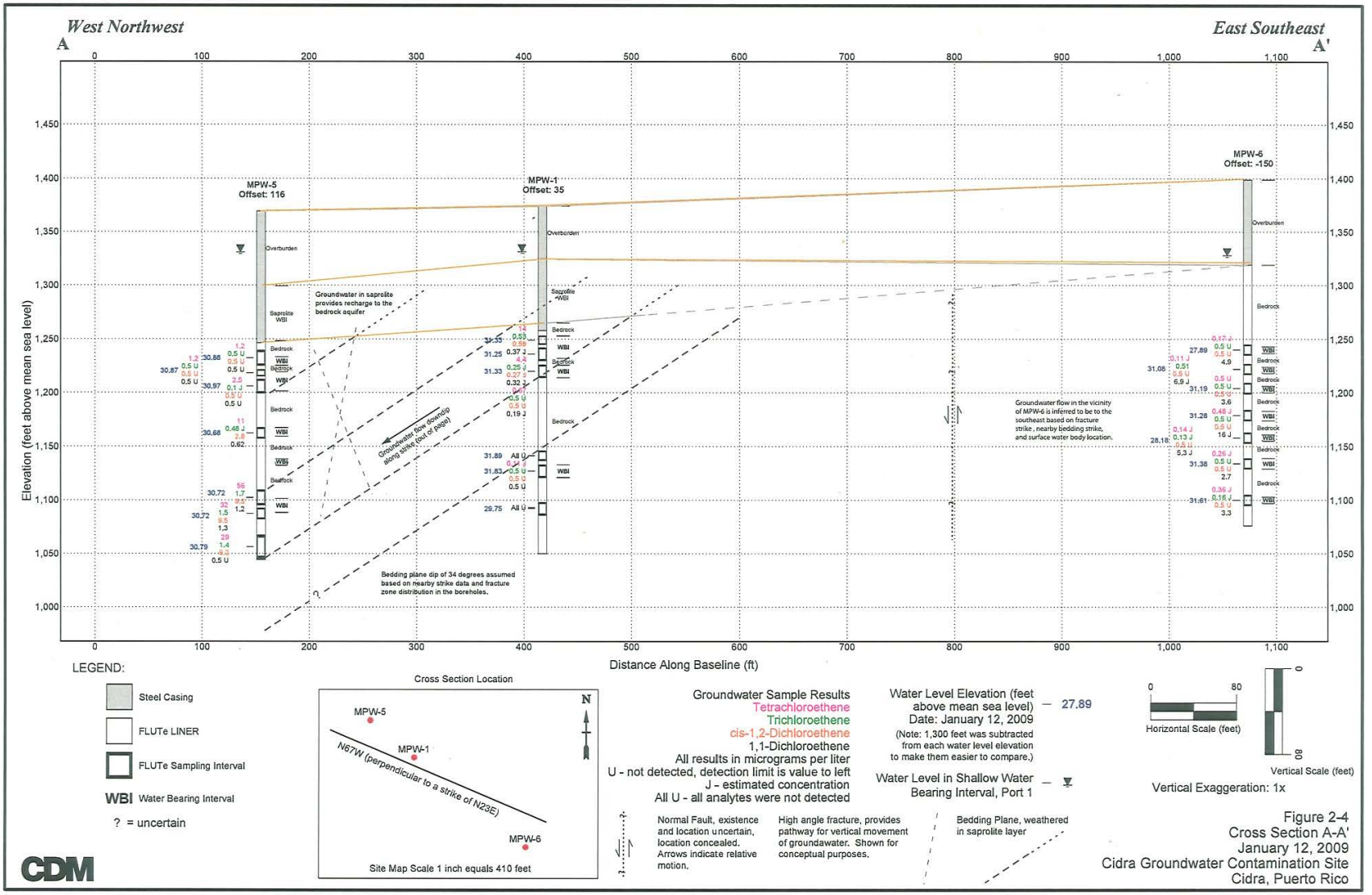


Figure 2-4
Cross Section A-A'
January 12, 2009
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

CDM

STANDARD CROSS SECTION CIDRA.GPJ STANDARD_REGION_II_RAC_PROJECT.GDT 3/24/09 REV.

R2-0007600

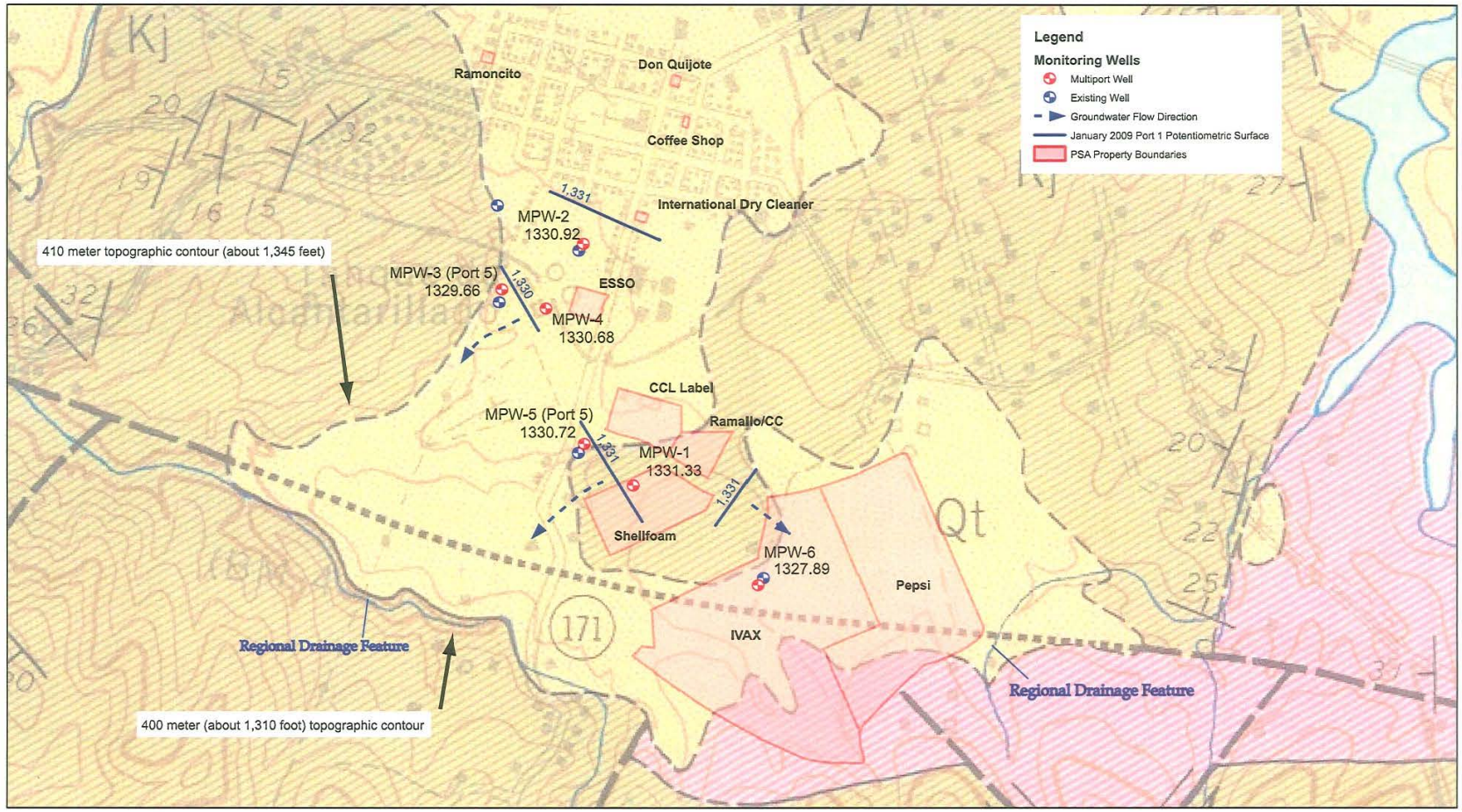


Figure 2-7
Potentiometric Surface Map
Port 1, January 12, 2009
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Appendix F
Low Flow Groundwater Sampling Sheets

Appendix F-1 – Stage 1 Packer Groundwater Sampling Sheets
Appendix F-2 – Stage 1 Groundwater Sampling Sheets
Appendix F-3 – Stage 2 Groundwater Sampling Sheets
Appendix F-4 – Stage 2a Groundwater Sampling Sheets

CDM Smith

Appendix F-1 – Stage 1 Packer Groundwater Sampling Sheets

Centelar Box 173.11 Hz
for 1.2 lt./min.

DEVELOPMENT SUMMARY SHEET

DATE: 07/08/08
TIME: 9:10 am
WEATHER CONDITIONS: 89°F/Sunny

WELL #: MPW1
DEPTH OF PUMP: 127 fts. bgs
CDM Personnel: J. Chavez / J. Reyes

ELAPSED TIME (min)	VOLUME PURGED (gals)	DEPTH TO WATER (FT TIC)	FLOW RATE (gpm)	pH (± 0.1 SU)	SPECIFIC COND. mS/cm (± 3%)	TURBIDITY NTUs (± 10%)	DISSOLVED OXYGEN mg/L (± 10%)	TEMP. °C (± 10%)	REDOX POTENTIAL mV (± 10 mv)	OBSERVATIONS
9:15		44.94'	1.2 lt./min	6.18	687	9.22	7.43	25.64	18.6	
9:20		"	"	6.19	689	7.95	6.61	25.67	129.	
9:25		49.39'	"	6.29	686	9.96	6.01	26.07	233.7	45.44 Pump Zone
9:30		"	"	6.19	683	6.02	5.64	26.11	317.4	
9:35		39.38	"	6.13	679	9.06	5.54	25.81	340.5	44.94 pump zone
9:40		"	"	6.13	679	4.09	5.31	26.16	380.1	
9:45		49.34	"	6.10	672	3.73	5.24	25.99	413.1	44.59. pump zone
9:50		49.36	"	6.12	666	4.54	5.13	26.17	434.9	48.92 pump zone
9:55		"	"	6.12	668	4.43	5.19	26.21	447.2	
10:00		"	"	6.10	661	4.34	5.21	26.50	468.3	
10:05		"	"	6.50	652	3.87	5.20	26.21	497.6	
10:10		"	"	6.30	649	3.97	5.18	26.91	507.9	
10:15		Sample collection SD-MPW1-127 (10:15 am, 07/08/08)								

Controller Box 173.6 Hz
for 800 ml/min

DEVELOPMENT SUMMARY SHEET

DATE: 07/07/08
TIME:
WEATHER CONDITIONS: 90°F/Sunny

WELL #: MDW1
DEPTH OF PUMP: 135 fts. bgs
CDM Personnel: [illegible]

ELAPSED TIME (min)	VOLUME PURGED (gals)	DEPTH TO WATER (FT TIC)	FLOW RATE (gpm)	pH (± 0.1 SU)	SPECIFIC COND. mS/cm (± 3%)	TURBIDITY NTUs (± 10%)	DISSOLVED OXYGEN mg/L (± 10%)	TEMP. °C (± 10%)	REDOX POTENTIAL mV (± 10 mv)	OBSERVATIONS
2:20		44.85	800 ml/min	5.48	629	11.2	3.14	25.79	688.7	
2:25		"	"	5.47	640	11.3	3.97	25.83	690	
2:30		44.85	"	5.60	648	8.81	2.87	26.22	691	49.7' (2" pipe) (4.85' stop)
2:35		"	"	5.80	665	6.19	2.89	26.08	685.6	
2:40		"	"	5.59	667	6.18	2.73	26.12	690	
2:45		"	"	5.59	669	4.31	2.68	26.03	685	
2:50		"	"	5.60	669	4.31	2.59	25.96	687	
2:55		"	"	5.61	668	4.28	2.52	25.93	688	
3:00		Sample collection DS-MDW1-135 (15:00, 07/07/08)								
3:05										

R2-0007605

Controller Box 1.7 Hz
for 1.41 L/min.

DEVELOPMENT SUMMARY SHEET

DATE: 07/07/08
TIME: 10:50
WEATHER CONDITIONS: 79°F/Sunny

WELL #: MW 1
DEPTH OF PUMP: 155 ft. bgs
CDM Personnel: J. Reyes / H. Chacon

ELAPSED TIME (min)	VOLUME PURGED (gals)	DEPTH TO WATER (FT TIC)	FLOW RATE (gpm)	pH (± 0.1 SU)	SPECIFIC COND. mS/cm (± 3%)	TURBIDITY NTUs (± 10%)	DISSOLVED OXYGEN mg/L (± 10%)	TEMP. °C (± 10%)	REDOX POTENTIAL mV (± 10 mv)	OBSERVATIONS
9:50		45.86	1.41 L/min	6.67	687	10.79	17.52	25.04	159.6	
9:55		"	"	6.64	687	5.01	17.71	25.03	170.5	
10:00		"	"	6.61	675	3.38	13.63	25.02	226.9	
10:05		"	"	6.46	675	3.41	9.03	25.11	286.4	
10:10		"	"	6.44	656	3.31	6.87	25.51	339.6	
10:15		"	"	6.37	663	3.37	6.46	25.50	359.7	
10:20		"	"	6.34	661	3.42	6.14	25.47	369.4	
10:25		"	"	6.26	658	3.81	5.41	25.61	405.2	
10:30		"	"	6.08	653	3.90	4.85	25.23	457.4	
10:35		"	"	6.08	653	3.42	4.88	25.23	455.0	
10:40		"	"	6.07	652	3.36	4.60	25.50	486.5	
10:45		"	"	6.15	651	2.87	4.09	25.90	520	
10:50		"	"	6.08	651	2.83	4.03	25.91	530	
10:55		"	"	6.07	650	3.27	4.04	26.01	549	

sample collection at 11:00 am
SP-MW1-155 (07/07/08)

Controller Box 185 Hz
for groundwater

DEVELOPMENT SUMMARY SHEET

DATE: 07/07/08
TIME: 12:37 pm
WEATHER CONDITIONS: 79°F / Cloudy

WELL #: MPW1
DEPTH OF PUMP: 145 ft. bgs
CDM Personnel: J. Reyes / H. Clarson

ELAPSED TIME (min)	VOLUME PURGED (gals)	DEPTH TO WATER (FT TIC)	FLOW RATE (gpm)	pH (± 0.1 SU)	SPECIFIC COND. mS/cm (± 3%)	TURBIDITY NTUs (± 10%)	DISSOLVED OXYGEN mg/L (± 10%)	TEMP. °C (± 10%)	REDOX POTENTIAL mV (± 10 mV)	OBSERVATIONS
12:40		47.98	900 mL/min	5.67	636	15.1	7.30	25.55	652.8	
12:45		"	"	5.47	665	15.3	6.78	25.73	666.7	
12:50		"	"	5.58	671	5.54	5.84	26.21	662.3	
12:55		"	"	5.58	677	5.32	5.33	26.14	664.4	
~~1:00~~ 1:00		48.57	"	5.58	674	3.26	5.57	26.21	668	
1:05		"	"	5.77	674	3.34	4.67	26.18	668.1	
1:10		"	"	5.50	669	3.49	4.40	26.09	672.1	
1:15		"	"	5.49	660	4.00	3.97	26.09	674.3	
1:20		"	"	5.48	661	3.98	3.55	26.13	674.4	
1:25		"	"	5.47	661	3.59	2.89	26.02	673	
1:30		Sample collection DSP-MPW1 - 145 (13:30, 07/07/08)								
1:35										
1:40										
1:45										

07/07/08

Controller Box 178.48 Hz
1.6 lt/min

DEVELOPMENT SUMMARY SHEET

DATE: 07/03/08
TIME:
WEATHER CONDITIONS: 90 F/Sunny

WELL #: MW1
DEPTH OF PUMP: 215 ft. bgs
CDM Personnel: T. Reyes / A. Clark

ELAPSED TIME (min)	VOLUME PURGED (gals)	DEPTH TO WATER (FT TIC)	FLOW RATE (gpm)	pH (± 0.1 SU)	SPECIFIC COND. mS/cm (± 3%)	TURBIDITY NTUs (± 10%)	DISSOLVED OXYGEN mg/L (± 10%)	TEMP. °C (± 10%)	REDOX POTENTIAL mV (± 10 mv)	OBSERVATIONS
3:05	—	43.61	1.6 lt/min	6.14	787	13.7	5.63	26.41	588.1	
3:10	—	52.30	1.6 lt/min	6.03	825	13.9	3.44	26.21	608.8	Controller increase 195 Hz.
3:15	—	66.72	"	6.04	800	16.4	2.32	2609	602.2	" "
3:20	—	70.55	1.8 lt/min	6.41	793	19.6	1.92	27.56	585.5	215 Hz.
3:25	—	82.75	"	6.10	797	18.7	2.17	25.32	586.7	
3:30	—	82.97	1.5 lt/min	6.0	801	18.3	2.08	25.27	593.9	
3:35	—	87.91	500 ml/min	6.11	791	16.2	2.00	2602	593.7	decrease water production
3:40	—	90.45	1500 ml/min	6.31	785	14.6	2.22	26.34	590.1	85.75 ft bgs. zone
3:45	—	90.81	250 ml/min	6.41	786	14.2	2.37	26.61	58.1	
3:50		91.10	"	6.57	795	12.8	2.55	26.88	582	
3:55		91.11	"	6.57	792	12.7	2.60	26.93	5779	86.99 ft bgs. zone
4:00 pm		91.00	"	6.56	798	12.3	2.59	26.92	582.3	
4:15		Sample collected: PSMMW1-215						16.00	07/03/08	
	—									

07/03/08

Controller BGK 185-45 #42
for 1.8 lt/min motor

DEVELOPMENT SUMMARY SHEET

DATE: 07/03/08
TIME: 1:15 pm
WEATHER CONDITIONS: 90°F / Sunny

WELL #: MPW 1
DEPTH OF PUMP: 235 ft bgs
CDM Personnel: J. Reyes / H. Hatch

ELAPSED TIME (min)	VOLUME PURGED (gals)	DEPTH TO WATER (FT TIC)	FLOW RATE (gpm)	pH (± 0.1 SU)	SPECIFIC COND. mS/cm (± 3%)	TURBIDITY NTUs (± 10%)	DISSOLVED OXYGEN mg/L (± 10%)	TEMP. °C (± 10%)	REDOX POTENTIAL mV (± 10 mv)	OBSERVATIONS
1:15 pm		58.88	1.8 lt/min	6.0	795	17.2	4.46	26.29	579.1	
1:20 pm		59.80	1.8 lt/min	5.97	812	21.1	2.45	26.68	586	
1:25 pm		59.75	"	5.99	811	21.9	2.27	26.79	586	
1:30 pm		56.83	"	6.00	822	18.5	1.49	26.44	577	56.93 Pumping zone 59.50 (2.27 Stabilized)
1:35 pm		55.62	"	6.14	827	14.2	1.42	26.91	568	58.25 ft. (at 2" pipe)
1:40 pm		56.20	"	6.14	829	14.5	1.35	26.65	574	58.87 ft (at 2" pipe)
1:45 pm		55.97	"	5.96	825	14.2	1.29	26.20	578	59.75 ft (at 2" pipe)
1:50 pm		56.32	"	6.07	826	14.2	1.23	26.52	560	58.81 (at 2" pipe
1:55 pm		56.39	"	6.09	826	14.7	1.18	26.56	569	
2:00 pm		"	"	6.10	826	13.9	1.18	26.60	568	
2:05 pm		Sample collected. SP MPW 1 - 235 (14:00, 2:00 pm, 07/03/08)								
2:10 pm										
2:15 pm										
2:20 pm										

Controller Box
156.9 Hz
for 1.2 ft/min (initial)

DEVELOPMENT SUMMARY SHEET

DATE: 07/03/08
TIME: 10:21 am
WEATHER CONDITIONS: 87°F/Sunny

WELL #: MPW1
DEPTH OF PUMP: 247 ft. bgs
CDM Personnel: A Chacon / O. Reyes

ELAPSED TIME (min)	VOLUME PURGED (gals)	DEPTH TO WATER (FT TIC)	FLOW RATE (gpm)	pH (± 0.1 SU)	SPECIFIC COND. mS/cm (± 3%)	TURBIDITY NTUs (± 10%)	DISSOLVED OXYGEN mg/L (± 10%)	TEMP. °C (± 10%)	REDOX POTENTIAL mV (± 10 mv)	OBSERVATIONS
10:25		49.89	1.2 ft/min	6.34	837	27.3	2.46	25.37	437	
10:30		45.8	"	6.43	847	27.6	2.26	25.57	436.5	
10:35		49.67	"	6.47	837	21.3	2.11	25.40	445.6	
10:40		49.65	"	6.38	836	9.59	2.0	25.61	490	
10:45		49.21	0.9 ft/min	6.43	837	10.47	1.59	26.02	492.0	pump zone 45.19 ft
10:50		48.77	"	6.50	838	9.02	1.50	26.08	488.07	44.75 ft.
10:55		49.02	"	6.61	837	9.86	1.40	26.74	489.3	45.0 ft.
11:00		48.77	"	6.65	839	9.28	1.36	27.00	481.6	44.75 ft
11:05		48.96	"	6.59	839	10.06	1.33	26.97	486	
11:10		49.01	"	6.57	838	10.09	1.32	26.03	487	
11:15	Sample collected, PS MPW1-247						11:25 am / 07/03/08			
11:20										
11:25										
11:30										

1 of 2

Controller Box 7503 Hz for 0.6 lt/min.

DEVELOPMENT SUMMARY SHEET

DATE: 07/03/08
TIME: 8:00am
WEATHER CONDITIONS: 87°F/Sunny

WELL #: MPW1 (Shellfoam)
DEPTH OF PUMP: 281 ft. bgs.
CDM Personnel: A Chacon / J. Reyes

ELAPSED TIME (min)	VOLUME PURGED. (gals)	DEPTH TO WATER (FT TIC)	FLOW RATE (gpm)	pH (± 0.1 SU)	SPECIFIC COND. mS/cm (± 3%)	TURBIDITY NTUs (± 10%)	DISSOLVED OXYGEN mg/L (± 10%)	TEMP. °C (± 10%)	REDOX POTENTIAL mV (± 10 mv)	OBSERVATIONS
8:00	/	47.50'	600ml/min	6.56	769	13.2	3.48	24.51	184.3	
8:10		"	200ml/min	6.59	769	14.1	2.99	24.61	216.8	Hz 179 Hz increase
8:15		"	50ml/min	6.57	836	16.3	1.75	25.00	296.0	
8:20		"	"	6.79	839	18.9	1.63	25.12	299	206 Hz to increase
8:25		71.02'	600ml/min	6.77	837	18.9	1.58	24.76	308	" " purge rate of clean turbidity
8:30		"	400ml/min	6.71	834	20.2	1.52	24.60	316	" "
8:35		73'	400ml/min	6.65	830	17.7	1.43	24.58	327	" "
8:40		86.26	200ml/min	6.60	793	19.3	1.16	24.45	365	Dropping zone level ft.
8:45		88.33	"	6.55	794	15.5	1.14	24.47	368.9	" " "
8:50		102.02	1 lt/min	6.65	756	18.4	0.59	24.63	350.5	248 Hz for 1 lt/min
8:55		120 ft.	1.8 lt/min	6.68	724	18.5	0.53	24.67	413.2	266 Hz for 1.8 lt/min
9:00		122.52 ft	"	6.7	729	16.1	0.93	24.75	415.6	" "
9:05		124.5	"	6.74	726	16.3	0.94	24.88	421.5	" "
9:10		126.6 ft	<500ml/min	6.79	728	17.5	0.94	25.02	431.[illegible]	"

R2-0007611

DEVELOPMENT SUMMARY SHEET

DATE: 07/03/08
TIME: 8:00 am
WEATHER CONDITIONS: 87°F/Sunny

WELL #: MPW 1 (Shell/Foam)
DEPTH OF PUMP: 281 ft. bgs
CDM Personnel: J. Reyes & S. Chacon

ELAPSED TIME (min)	VOLUME PURGED (gals)	DEPTH TO WATER (FT TIC)	FLOW RATE (gpm)	pH (± 0.1 SU)	SPECIFIC COND. mS/cm (± 3%)	TURBIDITY NTUs (± 10%)	DISSOLVED OXYGEN mg/L (± 10%)	TEMP. °C (± 10%)	REDOX POTENTIAL mV (± 10 mv)	OBSERVATIONS
9:15	/	126.5	<5 gpm	6.81	728	17.1	0.95	25.02	436.5	
9:20		126.5	11	6.78	727	17.2	0.95	25.04	441.1	
9:25		126.3	11	6.79	728	17.1	0.98	25.12	442.1	
9:30	Sample collected.			PS MPW 1 - 281			9:30 am (07/03/08)			
9:35										
9:40										
9:45										
9:50										
9:55										
10:00										

2 of 2

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra Ground Water Contamination Site

7/02/08

DATE: ~~062608~~

WELL #: MPW-1 (Shell Foster)

TIME: 1:15 pm

DEPTH OF PUMP: Pump at 305 ft.

WEATHER CONDITIONS: 85 °F / Sunny

SAMPLERS: J. Reyes & H. Cintrón

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
2:15 pm	/	102.07*	50 ml/min	/	5.65	736	5.19	3.73	26.09	517.5
2:20 pm	241.4 Hz	103.25*	50 ml/min	/	5.71	737	6.22	3.72	26.28	517.1
2:25 pm	241 Hz	102.93*	under 500 ml/min	/	5.78	736	4.31	3.61	26.97	528.4
2:30 pm										
	(2:30 pm)	14:30	Sample collected			~~PS MPW~~	~~1-305~~			
					PS MPW 1-305	(time	14:30,	07/02/08)		

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

* from screen. (purging zone)
data

REV 5/01

Controller Box 169 Hot for 200 ml/min.

1 of 2

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra Ground Water Contamination Site

7/02/08

DATE: ~~062608~~ **WELL #:** MW-1 (Still Foam)

TIME: 1:15 pm **DEPTH OF PUMP:** Pump at 305 Ft. bls. (Middle of Scr.)

WEATHER CONDITIONS: 89°F / Sunny **SAMPLERS:** T. Reyes / H. Chapes

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
1:15		49.25	200 ml/min	/	6.02	687	13.8	5.70	26.05	-19.5
1:20		54.50	"	/	6.06	698	13.5	5.24	26.74	-24.1
1:25		"	"	/	6.12	714	5.30	5.13	27.02	167.4
1:30		55.20	"	/	6.12	723	7.5	4.90	27.35	217.8
1:35	—	—	—	—	—	—	—	—	—	—
1:40		71.80 ft.	24 ft/min	"	5.66	736	10.03	6.20	25.35	374.1
1:45		71.80 ft.	"	"	5.44	736	6.66	4.94	24.36	398
1:50		"	"	"	5.51	736	6.81	4.33	25.00	408.1
1:55		80.22 ft.	1.4 ft/min	"	5.53	733	6.85	4.03	25.30	420.3
2:00	Note 2.18 Hz+	87.01	"	"	5.7	733	5.39	3.71	26.14	446.5
2:05		106.64 ft.	"	"	5.4	729	6.42	3.76	25.54	508.3
2:10		" "	"	"	5.51	734	6.18	3.76	25.66	513.7

102.84 ft.

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

141' CL.
Control Box to 47Hz

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra Ground Water Contamination Site

DATE: 062608 **WELL #:** MPW-2

TIME: 1400 **DEPTH OF PUMP:** 137' SL. 141' SL.

WEATHER CONDITIONS: 100° F Sunny / High Humidity **SAMPLERS:** J. Reyes / M. Valdez

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
1455		46.94	1600 mL	~~46.94~~	5.54	467.	26.70	~~25.68~~ 3.41	25.68	31.8
1500		46.94	1600 mL	/	5.36	468	13.40	3.10	25.78	107.5
1505		47.18	1600 mL	/	5.24	469	11.08	2.89	25.87	172.8
1510		47.18	1600 mL	/	5.01	470	10.64	2.78	25.81	870.9
1515		47.14	1600 mL	/	4.92	475	11.3	3.10	25.57	362.9*
1520		47.14	1600 mL	/	5.01	474	9.43	3.00	25.78	376.2
1525		47.10	1600 mL	/	5.08	474	7.93	2.89	25.81	396.0
1530		47.12	1600 mL	/	5.09	473	7.84	2.87	25.85	396.7
	Sample	collected	at		PS-	MPW2-	141			

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

Controller Box 162.8 Hz
199 ft → 171 Hz
for 0.799 lt/min

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra Ground Water Contamination Site

DATE: 062608 **WELL #:** MPW-2 Initial W.L. 47.90 ft.

TIME: 9:19 am / Start. **DEPTH OF PUMP:** 199

WEATHER CONDITIONS: 87 °F Sunny / Cloudy **SAMPLERS:** T. Reyes / [illegible]

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
9:30		199	1.59 lt/min	47.62	7.40	437	2.3	8.77	26.01	125.8
9:35		199	*0.799 lt/min	47.62	6.20	507	2.4	7.60	25.01	177.6
9:40		199	0.799	47.62	6.18	500	42.4	7.35	25.24	183.4
9:45		199	0.799 lt/min	47.62	6.21	500	44.4	6.79	25.40	192.4
9:50		199	0.799 lt/min	47.97	6.15	500	44.2	3.72	25.31	209.8
9:55		199	0.799 lt/min	47.97	6.18	504	44.7	2.79	25.46	220.7
10:00		199	0.799 lt/min	" "	6.06	500	35.3	2.44	25.13	238.6
10:05		199	0.799 lt/min	" "	6.05	498	36.2	2.27	25.36	247.3
10:10		199	"	"	6.10	499	36.3	2.59	25.59	251.7
10:15		"	"	48.95	5.99	499	31.5	4.18	25.26	269.6
10:20		"	"	47.94	6.05	498	33.1	4.57	25.79	272.0
10:25		"	"	" "	6.14	498	32.9	4.67	26.30	278.0

Sample Collection PS-MPW2-199

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

Down to 163 ft
Controller
165.0 ft

SITE NAME: Cidra Ground Water Contamination Site

DATE: 062608 **WELL #:** MPW-2

TIME: 1300 **DEPTH OF PUMP:** 163

WEATHER CONDITIONS: 100° F Sunny / High Humidity. **SAMPLERS:** J. Reyes / M. Valdez.

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
1310		163.00	1600 ml	47.00	5.92	478	32.31	3.91	25.96	25.0
1315		163	1600 ml	47.00	5.38	492	35.0	3.91	26.17	244.6
1320		163	1600 ml	47.00	5.11	497	32.7	3.44	26.07	276.8 *
1325		163	1600 ml	47.00	5.24	493	25.2	3.73	26.40	311.8
1330		163	1600 ml	47.00	4.95	491	23.5	3.28	26.27	340.0
1335		163	1600	47.00	4.84	488	23.7	2.7	26.23	382.7
13:40		163	1600	47.00	4.78	485	18.5	2.41	26.23	400.0
13:46		163	1600	47.00	4.73	4.82	16.9	2.33	26.29	402.0
	Sample collected			PS - MPW2 -		163				

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

184 ft, 172 Hz → 162 Hz = 960 ml/ft.
47.55 ft w. level

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra Ground Water Contamination Site

DATE: 06~~26~~27 08 **WELL #:** MPW-2 Initial Water level =

TIME: 11:40 am **DEPTH OF PUMP:** 179 ft (Packer) Pump at 184

WEATHER CONDITIONS: 90 °F Sunny **SAMPLERS:** José Reyes / [illegible]

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
11:40		~~47.5 ft~~ 184	960 ml/ft.	47.55	5.46	499	39.1	3.2	26.34	421.0
11:45		184	"	"	5.54	500	32.2	3.01	26.37	421.9
11:50		184	"	47.25	5.54	500	31.1	2.89	26.46	422.1
11:55		"	"	"	5.28	498	30.9	2.88	26.17	438.1
12:00		"	"	46.90	5.43	499	31.4	2.79	26.42	435.8
12:05		"	"	"	5.93	501	31.1	5.32	28.42	425.7
12:10		"	"	"	5.92	500	30.9	5.48	28.19	429.4
12:15		"	"	"	6.10	502	29.8	5.50	28.35	428.9
12:20		"	"	"	6.01	504	27.9	5.49	28.29	429.1
12:25	Sample collected.				PS-	MPW2-	183			
12:30										
12:35										

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

#206
Pump 211'ft
Converter
Box - 162.8 Hz

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra Ground Water Contamination Site

DATE: 062608 **WELL #:** MPW-2 / 211 Initial W.L. 44.0

TIME: 14:30 / START. **DEPTH OF PUMP:** 211' ft. GS

WEATHER CONDITIONS: 90° F Sunny **SAMPLERS:** José O. Reyes.

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
14:40		211'ft.	1.59 GPM	44.0	7.58	440	21.15	22.24	26.43	156.4
14:50		211'ft.	1.59 GPM	44.0	6.23	479	80.3	18.39	25.53	47.6
14.55		211'ft.	1.59 GPM	44.0	6.27	471	57.4	14.13	25.78	64.2
15:00		211'ft.	1.59	44.0	6.46	13	58.1	57.40	25.93	264.0
15:10		"	1.59	44.0	6.78	487	58.6	11.76	26.22	261.9
15:15		"	1.59	44.0	6.01	487	59.5	11.77	26.28	262.0
15:20		"	* 800 ML.	44.0	5.89	487	54.8	7.88	26.30	350.1
15:25		"	800 ML	48.45 Top	6.13	488	55.5	6.74	26.98	329.1
15:30		"	800 ML.	"	6.05	487	61.8	6.19	26.42	334.3
15:35		"	800 ML	"	5.98	485	48.6	5.41	26.40	364.9
15:40		"	800 ML.	"	5.75	483	48.8	4.81	26.19	416.9
15:45		"	800 ML	"	5.77	484	49.1	4.74	26.24	423.1

Sample Collected. PS-MPW2-211

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

Controller box 2.50 Hz.
for 1.0 lt/min.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra Ground Water Contamination Site

DATE: ~~062608~~ 7/1/08 HE

WELL #: MPW-3

TIME:

DEPTH OF PUMP: Pump at 139 ft.

WEATHER CONDITIONS: 96 F° Cloudy Rainy

SAMPLERS: J. Reyes / A. Chacon

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
3:45		34.52 ft	1 lt/min	/	6.16	528	24.6	2.37	24.37	480.7
3:50		"	"	/	6.11	554	24.7	2.14	24.38	480.1
3:55		"	"	/	6.16	563	16.9	1.86	24.69	464.2
4:00		"	"	/	6.24	568	17.1	1.69	24.72	460.4
4:05		"	"	/	6.31	569	13.4	1.55	24.64	448.1
4:10		31.54	1 lt/min	/	6.33	571	13.9	1.55	24.72	447.2
4:15		"	"	/	6.40	573	12.0	1.51	24.85	448.0
4:20		"	"	/	6.47	573	12.1	1.42	25.25	455.0
4:25		/	"	/	6.48	573	12.39	1.43	25.28	455.8
4:30		/	/	/	6.47	572	12.29	1.43	25.29	455.6
4:35		/	/	/	6.48	573	12.35	1.42	25.30	455.8
4:55		/	/	/	6.48	573	12.34	1.43	25.30	455.8

5:00 Sample collected PS MPW3 - 139

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

Contaden 14.40 Hz
for 0.8 lt/min

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra Ground Water Contamination Site

DATE: ~~062808~~ 7/1/08

WELL #: MPW-3

TIME: 2:20pm (14:20)

DEPTH OF PUMP: 163 ft. bgs

WEATHER CONDITIONS: 96°F Sunny

SAMPLERS: J. Reyes, H. Chacon

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
2:20		34.35	0.8lt/min	/	6.42	540	23.6	3.22	24.71	476.5
2:25		//	//	/	6.39	573	25.3	2.51	25.70	470
2:30		//	//	/	6.27	583	25.1	2.05	24.92	456.4
2:35		//	//	/	6.26	586	24.9	2.00	24.65	451.2
2:40		//	//	/	6.24	584	14.1	1.79	24.60	456.9
2:45		//	//	/	6.34	591	13.4	1.71	25.08	446.
2:50		34.30	//	/	6.39	593	13.4	1.66	25.28	443
2:55		//	//	/	6.49	599	12.7	1.59	25.35	436.3
3:00 ~~2:60~~				Sample duplicate			PS MPW3-	425	15:30 collected.	
3:05				Sample			PS MPW3-	163		
3:10										
3:15										

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

Controller box 151.7 Hz.
for 1.0 lt/min.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra Ground Water Contamination Site

DATE: ~~062608~~ 07/01/03

WELL #: MPW3

TIME: 11:30 Pump Installed.

DEPTH OF PUMP: 169 ft bgs

WEATHER CONDITIONS: 79°F, Cloudy

SAMPLERS: [illegible]

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
11:30		31.71	1.0 lt/min	—	6.51	574	35.5	3.04	24.61	-1.8
11:35		36.13	"	—	6.45	583	27.3	2.79	24.99	73.8
11:40		"	"	—	6.44	586	27.9	2.44	25.19	88.9
11:45		"	"	—	6.35	586	23.3	2.50	25.14	151.9
11:50		"	"	—	6.34	586	22.9	2.36	25.20	164.4
11:55		"	"	—	6.26	586	24.9	2.07	25.35	223.7
12:00		"	"	—	6.10	582	21.4	1.88	25.19	273.5
12:05		"	"	—	5.86	578	21.5	1.65	24.81	325.8
12:10		"	"	—	5.78	576	19.6	1.60	24.76	327.9
12:15		"	"	—	5.73	573	20.6	1.52	24.71	328.9
12:20		"	"	—	5.79	571	17.5	1.50	24.70	330.1
12:25		Sample collected			PS-MPW3-169					

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

Control Box 19.8 Hz
for 0.8 H/min

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra Ground Water Contamination Site

DATE: ~~062608~~ 31/01/08

WELL #: MPW3

TIME: 10:00 am

DEPTH OF PUMP: 183 ft. bgs.

WEATHER CONDITIONS: 90°F Cloudy

SAMPLERS: James Clark / Dan Regles

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
10:00		34.62'	0.8 H/min	/	6.87	528	43.5	5.03	24.57	350
10:05		"	"	/	6.51	565	40.0	3.59	24.42	366.5
10:10		"	"	/	6.41	572	38.0	3.35	24.35	375.7
10:15		"	"	/	6.40	609	37.7	2.95	25.00	386.2
10:20		"	"	/	6.38	617	35.4	2.67	25.22	391.9
10:25		"	"	/	6.25	612	37.5	2.48	24.91	398.4
10:30		"	"	/	6.12	607	32.9	2.33	24.73	408.9
10:35		35.62	"	/	6.09	605	33.5	2.30	24.66	410.5
10:40		"	"	/	6.11	602	26.8	2.20	24.52	414.8
10:45										
~~10:50~~	Sample collected PS-MPW3-183									
~~10:55~~										

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

Pump: 1 ft
Control Box 145.5 Hz for
900 ml/min

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra Ground Water Contamination Site

DATE: ~~062608~~ 07/1/08

WELL #: MPW3

TIME:

DEPTH OF PUMP: 199 ft bgs

WEATHER CONDITIONS: 90°F Cloudy / light rain

SAMPLERS: James Chacon / Don Reyes

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
8:00		36.21 ft.	0.9 ft/min	/	6.91	602	56.1	3.52	23.98	-42.6
8:05		"	"	"	6.90	602	61.3	3.46	24.01	-20.0
8:10		"	"	"	6.88	688	65.1	3.21	24.07	33.9
8:15		"	"	"	6.85	602	67.1	3.20	24.09	49.1
8:20		"	"	"	6.81	601	63.2	3.18	24.02	87.7
8:25		"	"	"	6.79	600	58.0	2.90	24.21	116.5
8:30		36.06	"	"	6.78	598	53.3	3.30	24.14	140.3
8:35		"	"	"	6.74	597	53.2	3.26	24.03	152.3
8:40		35.86	"	"	6.84	598	48.7	3.09	24.65	193.4
8:45		"	"	"	6.83	600	41.9	3.02	24.69	200.2
8:50		"	"	"	6.85	601	42.9	3.05	24.73	205.8
8:55		"	"	"	6.88	607	39.1	2.96	24.93	205.4

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

sample collected PSMPW3-199 (9:00 am) 07/01/08

REV 5/01

R2-0007624

Pump 211 ft
Control Box 167.30 Hz
* inside 2" pipe
0.9 lt./min

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra Ground Water Contamination Site

DATE: 06~~26~~30 08 WELL #: MPW 3

TIME: 3:30 pm DEPTH OF PUMP: 211 ft. bgs

WEATHER CONDITIONS: 57°F Sunny/Cloudy SAMPLERS: J. Reyes / James Chaset

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
3:30		35.85*	0.9 lt./min	/	6.22	637	49.7	4.84	25.29	53.4
3:35		" "	" "	/	6.19	639 ~~638~~	55.6	4.54	25.46	103.8
3:40		"	"		6.16	641	59.2	4.33	25.47	156.7
3:45		"	"	/	6.13	645	76.1	4.06	25.26	210.6
3:50		"	"	/	6.13	648	71.3	4.03	25.27	213.3
3:55		"	"	/	6.08	648	75.8	46.0	25.22	253.7
4:00		"	"	/	6.10	644	70.1	3.64	25.14	270.4
4:05		"	"	/	6.13	645	72.0	3.57	25.18	281.3
4:10		"	"	/	6.12	643	56.1	3.43	25.07	307.1
4:15		"	"	/	6.09	638	52.3	3.37	25.00	318.9
4:20		"	"	/	6.09	635	39.7	3.38	25.02	318.2
4:25		"	"	/	6.10	630	39.1	3.31	25.07	327.7

Sample collected at 4:30 pm 6/30/08

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

~~Replace PSMPW 3 3-24~~

PSMPW3-211 sample collected at 16:30

REV 5/01

R2-0007625

Controller Box 149 Hz.
Pump: 1.7 lts/min rate.

DEVELOPMENT SUMMARY SHEET

DATE: 7/15/08
TIME: 13:35
WEATHER CONDITIONS: 90°F / Cloudy

WELL #: MPW 4
DEPTH OF PUMP: 135 fts.
CDM Personnel: [signature] / M. Valentino

ELAPSED TIME (min)	VOLUME PURGED (gals)	DEPTH TO WATER (FT TIC)	FLOW RATE (gpm)	pH (± 0.1 SU)	SPECIFIC COND. mS/cm (± 3%)	TURBIDITY NTUs (± 10%)	DISSOLVED OXYGEN mg/L (± 10%)	TEMP. °C (± 10%)	REDOX POTENTIAL mV (± 10 mv)	OBSERVATIONS
13:40		33.84	1.7 lts/min	3.66	606	3.46	7.56	25.46	551.7	
13:45		"	"	3.56	607	3.28	7.34	25.44	585.4	
13:50		"	"	3.54	607	3.26	7.16	25.42	601.7	
13:55		39.38	"	3.52	608	3.65	6.84	25.52	628.4	
14:00		"	"	3.43	608	3.15	5.82	25.71	706.6	
14:05		"	"	3.22	616	3.09	5.04	25.65	761.8	
14:10		"	"	3.27	610	2.32	4.35	26.05	796	
14:15		38.71	0.6 lt/min	3.38	610	1.87	3.98	26.38	813.2	
14:20		"	"	3.33	609	1.45	3.90	26.41	817.8	
14:25		"	"	3.36	610	1.52	3.69	26.96	827	
14:30		"	"	3.37	610	1.89	3.67	26.95	828.2	
14:35		Sample collection RS MPW4 - 135 fts								
							(14:35, 7/15/08)			

[signature] 07/15/08

R2-0007626

Control box at 146.6 Hz
1.4 Hz/min

DEVELOPMENT SUMMARY SHEET

DATE: 7/15/08
TIME: 10:27am
WEATHER CONDITIONS: 89°F / Cloudy, Humid.

WELL #: MPW4
DEPTH OF PUMP: 145 ft bgs
CDM Personnel: H. Chesi / M. Valentino

ELAPSED TIME (min)	VOLUME PURGED (gals)	DEPTH TO WATER (FT TIC)	FLOW RATE (gpm)	pH (± 0.1 SU)	SPECIFIC COND. mS/cm (± 3%)	TURBIDITY NTUs (± 10%)	DISSOLVED OXYGEN mg/L (± 10%)	TEMP. °C (± 10%)	REDOX POTENTIAL mV (± 10 mv)	OBSERVATIONS
10:30		37.15'	1.4 Hz/min	5.24	606	14.6	3.56	25.87	480.1	
10:35		"	"	4.76	604	11.2	3.31	25.93	574.1	
10:40		"	"	4.63	597	7.25	3.34	25.84	662.3	
10:45		"	"	4.50	598	6.09	3.34	25.81	684.	
10:50		"	"	4.43	599	5.08	3.28	25.59	724.1	
10:55		"	"	4.55	598	4.96	3.26	25.54	735.4	
11:00		"	"	4.81	600	4.59	3.22	25.58	742.7	
11:05		"	"	4.91	600	3.97	3.17	25.37	754.6	
11:10		37.09	"	5.03	601	3.62	3.15	25.38	756.1	
11:15		"	"	5.20	601	3.70	3.10	25.34	759.1	
11:20		Sample collection PS MPW4 - 145								
11:25							(11:20am, 7/15/08)			
11:30										
11:35										

R2-0007627

Contains Box at 148 Hz
for 1.4 Hz./min

DEVELOPMENT SUMMARY SHEET

DATE: 7/15/08
TIME: 8:50 am
WEATHER CONDITIONS: 89°F / Cloudy Humid

WELL #: MPW-4
DEPTH OF PUMP: 155 ft. bgs.
CDM Personnel: [illegible] / M. Valentino

ELAPSED TIME (min)	VOLUME PURGED (gals)	DEPTH TO WATER (FT TIC)	FLOW RATE (gpm)	pH (± 0.1 SU)	SPECIFIC COND. mS/cm (± 3%)	TURBIDITY NTUs (± 10%)	DISSOLVED OXYGEN mg/L (± 10%)	TEMP. °C (± 10%)	REDOX POTENTIAL mV (± 10 mv)	OBSERVATIONS
8:55		37.79	1.4 Hz/min	5.96	622	2.31	10.89	24.69	255.6	
9:00		"	"	5.83	613	7.19	8.45	24.74	334.6	
9:05		37.75	"	5.66	602	5.40	7.25	24.89	436.7	
9:10		"	"	5.62	600	3.14	7.01	24.89	459.3	
9:15		"	"	5.57	603	2.90	6.59	25.43	522.8	
9:20		"	"	5.19	595	2.75	6.10	24.94	580.9	
9:25		"	"	5.23	595	4.63	4.62	24.92	641.6	
9:30		37.69	"	5.25	597	1.99	4.63	24.94	648.2	
9:35		"	"	5.31	575	2.43	4.24	25.00	669.3	
9:40		37.67	"	5.35	595	2.38	4.00	24.95	682.3	
9:45		Sample collection				PS MPW4 - 155				
9:50						(9:45 am, 7/15/08)				
9:55										

R2-0007628

WL- 33.74 — OUTER CASING BGS
Contular Box at 147.0 ft
for 1.3 ft./min.

DEVELOPMENT SUMMARY SHEET

DATE: 7/14/2008
TIME: 14:47
WEATHER CONDITIONS: 100° I. Sunny / Humid

WELL #: MPW-4
DEPTH OF PUMP: 165' ft — moved to 167'
CDM Personnel: J. Mayer / A. Chacon

ELAPSED TIME (min)	VOLUME PURGED (gals)	DEPTH TO WATER (FT TIC)	FLOW RATE (gpm)	pH (± 0.1 SU)	SPECIFIC COND. mS/cm (± 3%)	TURBIDITY NTUs (± 10%)	DISSOLVED OXYGEN mg/L (± 10%)	TEMP. °C (± 10%)	REDOX POTENTIAL mV (± 10 mv)	OBSERVATIONS
14:50		38.36 ft	1.3 ft./min	5.16	462	19.0	3.55	27.26	317.4	
14:55		"	"	4.26	459	17.0	3.07	26.97	580.6	
15:00		"	"	4.63	443	16.3	3.01	27.01	683.7	
15:05		38.14	"	4.82	437	9.35	2.58	27.22	725.9	
15:10		"	"	4.99	453	7.88	2.48	27.32	741.9	
15:15		"	"	4.57	437	5.89	2.33	26.89	765.7	
15:20		"	"	5.75	447	5.35	2.23	27.20	766.3	
15:25		"	"	6.17	449	4.30	2.14	27.10	762.9	
15:30		38.07	"	6.21	451	3.98	2.10	27.90	762.4	
15:35		38.05	"	5.97	455	3.78	1.98	28.75	775.1	
15:40		"	"	6.03	458	2.85	2.01	29.10	774.6	
15:45		"	"	6.19	459	3.35	1.95	29.48	775.1	
		Sample collected PS-MPW4-167 (15:45, 7/14/08)								

R2-0007629

Contactor Box at 146.07 Hz for 1.2 lt/min rate.

DEVELOPMENT SUMMARY SHEET

DATE: 7/14/08
TIME: 11:00 am
WEATHER CONDITIONS: 90°F / Cloudy / Sunny / Humid.

WELL #: MPW4
DEPTH OF PUMP: 213 ft. bgs
CDM Personnel: J. Chacin / J. Reyes

ELAPSED TIME (min)	VOLUME PURGED (gals)	DEPTH TO WATER (FT TIC)	FLOW RATE (gpm)	pH (± 0.1 SU)	SPECIFIC COND. mS/cm (± 3%)	TURBIDITY NTUs (± 10%)	DISSOLVED OXYGEN mg/L (± 10%)	TEMP. °C (± 10%)	REDOX POTENTIAL mV (± 10 mv)	OBSERVATIONS
11:05		37.07	1.2 lt/min	1.07*	595	7.43	3.28	26.84	586	*
11:10		"	"	1.04*	584	6.44	3.06	27.16	712.6	*
11:15		"	"	0.94*	583	6.78	3.04	27.32	721.5	*
11:20		"	"	0.54*	597	6.39	3.05	25.85	754.6	*
11:25		"	"	1.30	579	11.2	2.96	26.65	783.9	
11:30		"	"	1.54	587	10.50	2.92	26.04	753.9	
11:35		"	"	6	597	10.42	2.82	27.47	752	Litmus paper (L.P)
11:40		36.97	"	7	581	10.36	2.76	29.08	752.2	(L.P.)
11:45		"	800 ml/lit	7	602	9.27	2.90	27.60	772.6	148 Hz
11:50		"	"	7	601	8.31	2.85	27.60	783.2	
11:55		"	"	7	594	7.64	2.97	28.65	778.7	
12:00		"	"	7	596	7.39	2.84	27.35	783.5	
12:05		"	"	7	599	7.74	2.66	30.77	770.3	
12:10		"	"	7	598	7.60	2.70	30.45	770.1	

Sample collection PS MPW4 - 213
(12:15 pm - 7/14/08

R2-0007630

DEVELOPMENT SUMMARY SHEET

Rp. (160.0 MHz NATE)

DATE: 07/11/08
TIME:
WEATHER CONDITIONS: 90°F. Sunny

WELL #: MDW5-131'Rt-
DEPTH OF PUMP: 131' Ft.
CDM Personnel: J. Neyer

ELAPSED TIME (min)	VOLUME PURGED (gals)	DEPTH TO WATER (FT TIC)	FLOW RATE ~~(gpm)~~ CF.	pH (± 0.1 SU)	SPECIFIC COND. mS/cm (± 3%)	TURBIDITY NTUs (± 10%)	DISSOLVED OXYGEN mg/L (± 10%)	TEMP. °C (± 10%)	REDOX POTENTIAL mV (± 10 mv)	OBSERVATIONS
1240		49.20	1.34	5.57	488	17.5	8.24	26.83	84.6	
1245		45.6	1.3	5.55	485	12.3	6.85	28.09	209.9	41.45 Top 41.79 Mid 38.47 Bottom
1250		45.6	1.3	5.70	460	8.11	5.60	29.02	346.7	
1255		45.6	1.3	5.72	463	7.38	5.05	29.54	487.6	40.94 Top 42.44 Mid 39.53 Bottom
1300		45.6	1.3	5.77	463	6.75	5.08	29.69	528.7	
1305		45.6	1.3	5.81	463	6.21	4.83	29.92	568.8	
1310		45.6	1.3	5.91	463	5.89	4.78	29.96	570.1	41.96 Top 42.72 Mid 40.54 Bottom
1315		45.6	1.3	5.93	462	5.83	4.93	28.01	603.7	
1320		45.6	1.3	5.93	460	5.72	4.70	29.96	608.2	
13:25		45.6	1.3	5.94	463	5.24	4.61	30.01	608.9	
1330		Sample		Collected		DS- MDW5-131'				

(2)

Rep. (161.00 MHz)

DEVELOPMENT SUMMARY SHEET

DATE: 07/11/08
TIME:
WEATHER CONDITIONS: 90°F. Sunny.

WELL #: MPW5 - 139' ft
DEPTH OF PUMP: 139' ft.
CDM Personnel: J. Reyes

ELAPSED TIME (min)	VOLUME PURGED (gals)	DEPTH TO WATER (FT TIC)	FLOW RATE (gpm)	pH (± 0.1 SU)	SPECIFIC COND. mS/cm (± 3%)	TURBIDITY NTUs (± 10%)	DISSOLVED OXYGEN mg/L (± 10%)	TEMP. °C (± 10%)	REDOX POTENTIAL mV (± 10 mv)	OBSERVATIONS
9:20		44.86	1.5	5.98	511	24.3	7.33	25.92	635.8	
9:25		44.85	1.5	5.98	493	14.4	7.06	25.98	640.9	
9:30		44.85	1.5	5.99	457	7.31	6.15	26.01	641.2	
9:35		44.85	1.5	6.03	457	6.66	6.11	26.05	637.9	
9:40		44.85	1.5	6.05	455	4.18	6.06	26.37	643.7	
9:45		44.85	1.5	5.96	456	3.53	6.17	26.18	647.4	
9:50		44.85	1.5	5.91	459	2.96	6.20	26.11	649.6	
9:55		44.	1.5	5.90	457	2.46	6.20	26.21	650.5	
10:00		Sample collected at PS-MW5-139'								

①

DEVELOPMENT SUMMARY SHEET

DATE: 07/11/08
TIME:
WEATHER CONDITIONS: 90° F. Sunny

WELL #: MPW5 - 149' Ft. (159.5 Hz.)
DEPTH OF PUMP: 149' Ft.
CDM Personnel: J. Reyes

ELAPSED TIME (min)	VOLUME PURGED (gals)	DEPTH TO WATER (FT TIC)	FLOW RATE (gpm)	pH (± 0.1 SU)	SPECIFIC COND. mS/cm (± 3%)	TURBIDITY NTUs (± 10%)	DISSOLVED OXYGEN mg/L (± 10%)	TEMP. °C (± 10%)	REDOX POTENTIAL mV (± 10 mv)	OBSERVATIONS
8:00		45.27	1.44	6.56	535	26.20	13.43	25.42	22.3	
8:05		44.65	1.4	6.52	534	25.27	8.54	25.23	185.8	
8:10		44.65	1.4	6.52	479	10.69	7.71	25.65	268.9	41.34 41.37 40.76 Packer Logger Readings
8:15		"	1.4	6.33	462	7.71	7.89	25.63	366.7	
8:20		44.65	1.4	6.32	462	7.01	7.81	25.88	399.7	40.76 40.87 39.76 Packer Logger Readings.
8:25		44.65	1.4	6.30	464	7.19	7.72	25.73	442.1	
8:30		44.65	1.4	6.22	465	5.73	7.61	25.80	447.2	40.70 40.51 40.65 Packer Logger Readings
8:35		44.65	1.4	6.22	466	5.69	7.61	25.96	509.6	
8:40		44.65	1.4	6.23	466	5.56	7.61	25.98	509.3	4'
8:45		Sample	collected		RS-MPW5-149'					40.54 41.45 40.76

R2-0007633

Controller Box 160 Hz
P. Rate. 1 ft/min

DEVELOPMENT SUMMARY SHEET

DATE: 7/10/08
TIME: 2:28 pm
WEATHER CONDITIONS: 96°F/Sunny/Humid.

WELL #: MPW05
DEPTH OF PUMP: 163 ft bgs
CDM Personnel: H. Chacon/O Reyes

ELAPSED TIME (min)	VOLUME PURGED (gals)	DEPTH TO WATER (FT TIC)	FLOW RATE (gpm)	pH (± 0.1 SU)	SPECIFIC COND. mS/cm (± 3%)	TURBIDITY NTUs (± 10%)	DISSOLVED OXYGEN mg/L (± 10%)	TEMP. °C (± 10%)	REDOX POTENTIAL mV (± 10 mv)	OBSERVATIONS
2:30		45.50	1ft/min	5.64	569	8.79	3.76	26.64	137.6	41.09 Pump zone
2:35		"	"	5.38	518	8.07	3.58	27.30	307.3	
2:40		45.5	"	4.59	496	5.68	3.97	26.35	501.1	
2:45		"	"	4.57	464	5.63	3.55	26.16	542.9	
2:50		"	"	4.52	502	4.65	3.95	26.1	614.2	
2:55		45.38	"	4.58	490	4.62	3.93	26.16	633.2	
3:00		"	"	4.61	501	4.59	3.83	26.21	639.3	
3:05		Sample @ Nozzle D5-MPW05 - 163 (15:00, 7/10/08)								
3:10										
3:15										
3:20										

7/10/08

Controller Box 168.50 Hz
flow rate 1.0 lt/min

DEVELOPMENT SUMMARY SHEET

DATE: 07/10/08
TIME: 10:40am
WEATHER CONDITIONS: 90F / Cloudy Humid

WELL #: MDW5
DEPTH OF PUMP: 190 ft bgs
CDM Personnel: [illegible]

ELAPSED TIME (min)	VOLUME PURGED (gals)	DEPTH TO WATER (FT TIC)	FLOW RATE (gpm)	pH (± 0.1 SU)	SPECIFIC COND. mS/cm (± 3%)	TURBIDITY NTUs (± 10%)	DISSOLVED OXYGEN mg/L (± 10%)	TEMP. °C (± 10%)	REDOX POTENTIAL mV (± 10 mv)	OBSERVATIONS
10:45		45.00	1.0 ft/min	6.04	621	6.13	6.48	26.66	208.1	
10:50		50.57	"	6.00	550	10.5	5.48	26.82	317.7	48.14 pumping zone
10:55		50.65	"	5.33	520	6.59	5.12	27.11	496.7	40.07 pumping zone
11:00		"	"	4.98	525	6.68	5.04	26.56	567.1	40.89 pumping zone
11:05		50.64	"	4.75	528	5.08	5.04	26.20	616.5	
11:10		50.41	"	5.01	527	5.03	4.86	26.75	647.5	
11:15		50.40	"	5.00	525	3.16	4.78	27.18	653.6	
11:20		"	"	5.00	505	3.27	4.60	27.40	660.1	
11:25		"	"	4.75	505	2.91	4.61	26.64	678.3	
11:30		50.13	"	6.64	505	2.93	4.58	26.44	683.3	
11:35		"	"	6.67	504	2.87	4.57	26.45	681.4	
		sample collection				DS MDW5-190 (11:40, 07/10/08)				

[signature]
07/10/08

R2-0007635

Controle box 161.30 Hz
for 1.31 ft/min

DEVELOPMENT SUMMARY SHEET

DATE: 07/10/08
TIME: 8:25 am
WEATHER CONDITIONS: 89°F / Partly Cloudy

WELL #: MPW5
DEPTH OF PUMP: 255 ft bgs
CDM Personnel: A. Chacon / J. Mayo

ELAPSED TIME (min)	VOLUME PURGED (gals)	DEPTH TO WATER (FT TIC)	FLOW RATE (gpm)	pH (± 0.1 SU)	SPECIFIC COND. mS/cm (± 3%)	TURBIDITY NTUs (± 10%)	DISSOLVED OXYGEN mg/L (± 10%)	TEMP. °C (± 10%)	REDOX POTENTIAL mV (± 10 mv)	OBSERVATIONS
8:30		44.72	1.31 ft/min	6.21	504	7.01	6.41	25.30	80	
8:35		"	"	6.10	537	7.00	6.38	25.36	160.1	
8:40		44.72	"	6.04	501	6.44	6.22	25.55	181.8	41.20 pump psi (3.5-45.5 psi)
8:45		"	"	5.90	507	3.30	5.84	25.36	289.1	41.31 pump psi
8:50		"	"	5.89	517	2.75	5.59	25.40	402	40.98 pump psi
8:55		"	"	5.95	521	2.71	5.47	25.47	453.7	
9:00		"	"	5.96	521	2.56	5.45	25.52	459.6	
9:05		"	"	5.92	525	2.53	5.28	25.54	497.8	
9:10		44.68	"	5.87	528	1.49	5.15	25.47	530.2	
9:15		44.68	"	5.85	530	2.08	5.07	25.49	544.3	
9:20		"	"	5.87	531	2.18	5.06	25.52	564.3	
9:25		"	"	5.91	532	2.16	4.98	26.01	570.5	
9:30		Sample collected from PSMPW5-255 (9:30 am, 07/10/08)								

A. Chacon 07/10/08

Contactor Box 156 Hz
for 1.8 Hz./min.

DEVELOPMENT SUMMARY SHEET

DATE: 07/08/08
TIME: 13:30 (1:30pm)
WEATHER CONDITIONS: 85°F/Cloudy

WELL #: MPW5 270 ft.
DEPTH OF PUMP: ~~270~~ ft. bgs.
CDM Personnel: M. Chacon / J. Keyes

ELAPSED TIME (min)	VOLUME PURGED (gals)	DEPTH TO WATER (FT TIC)	FLOW RATE (gpm)	pH (± 0.1 SU)	SPECIFIC COND. mS/cm (± 3%)	TURBIDITY NTUs (± 10%)	DISSOLVED OXYGEN mg/L (± 10%)	TEMP. °C (± 10%)	REDOX POTENTIAL mV (± 10 mv)	OBSERVATIONS
1330	Packer Inflated				TOP 280 PSI		Bottom to 300PSI			
1335		45.40	1.8 Hz/min	4.82	465	9.21	4.84	25.74	135.1	Start Purging
1340		45.40	"	4.81	463	8.25	4.71	25.90	183.6	
1345		45.43	"	4.83	460	8.56	4.69	25.69	189.6	
1350		"	"	4.63	458	8.57	4.45	25.66	336.3	
1355		"	"	4.72	461	3.30	4.44	25.63	465.3	41.04 ft. pump zone
14:00		"	"	4.85	461	2.77	4.45	25.89	501	
14:05		"	"	5.14	463	2.19	4.36	26.02	557.9	41.00 ft. pump zone.
14:10		45.39	"	5.26	462	1.84	4.28	26.05	579.1	
14:15		"	"	5.29	463	1.81	4.28	25.97	587	
14:20		"	"	5.31	465	1.90	4.32	25.75	594.8	
14:25		"	"	5.32	4.70	1.89	4.30	25.63	600	
14:30		Sample collection @ MPW5 270 (14:30, 07/08/08)								
14:35										

Controller Box 164.37 Hz.
for 1.6 L/min

DEVELOPMENT SUMMARY SHEET

DATE: 07/09/09
TIME:
WEATHER CONDITIONS: 90F/Cloudy/Humid.

WELL #: MW05
DEPTH OF PUMP: 283 ft bgs
CDM Personnel: [signature]

ELAPSED TIME (min)	VOLUME PURGED (gals)	DEPTH TO WATER (FT TIC)	FLOW RATE (gpm)	pH (± 0.1 SU)	SPECIFIC COND. mS/cm (± 3%)	TURBIDITY NTUs (± 10%)	DISSOLVED OXYGEN mg/L (± 10%)	TEMP. °C (± 10%)	REDOX POTENTIAL mV (± 10 mv)	OBSERVATIONS
10:15		44.52'	1.6 L/min	5.37	490	14.7	4.67	26.14	580.5	
10:20		"	"	5.30	525	13.8	4.44	26.12	565.4	
10:25		44.73	"	5.20	524	13.4	4.23	26.67	586.8	
10:30		"	"	5.05	500	6.68	3.90	25.33	607.4	
10:35		"	"	5.04	507	6.59	3.92	25.79	612.8	
10:40		"	"	5.08	516	6.43	3.83	26.21	615.4	
10:45		"	"	5.01	517	2.82	3.83	26.06	615.8	
10:50		"	"	4.91	518	2.83	3.92	26.00	626.7	
10:55		"	"	5.09	516	2.13	3.74	26.15	626.9	
11:00		Sample collection				DSMW05-283				(11:00am, 07/09/09)
						DSMW05-425				Duplicate (12:00, 07/09/09)

07/09/09

R2-0007638

Controller Box 168.70 Hz
for 44.09 ft and 1.6 Hz/min

DEVELOPMENT SUMMARY SHEET

DATE: 07/09/08
TIME: 8:23 am
WEATHER CONDITIONS: 89°F / Cloudy Humid

WELL #: MPW5
DEPTH OF PUMP: 313 ft bgs
CDM Personnel: [illegible]

ELAPSED TIME (min)	VOLUME PURGED (gals)	DEPTH TO WATER (FT TIC)	FLOW RATE (gpm)	pH (± 0.1 SU)	SPECIFIC COND. mS/cm (± 3%)	TURBIDITY NTUs (± 10%)	DISSOLVED OXYGEN mg/L (± 10%)	TEMP. °C (± 10%)	REDOX POTENTIAL mV (± 10 mv)	OBSERVATIONS
8:25		44.09	1.6 Hz/min	6.42	591	25.9	5.35	25.34	771.63	
8:30		47.22	"	6.42	601	24.8	4.45	25.57	284.6	43.77 pump zone
8:35		47.22	"	6.41	601	23.7	4.25	25.41	293.7	
8:40		"	"	6.36	606	5.38	4.22	25.57	308.3	
8:45		"	"	6.22	600	3.48	3.47	25.47	348.3	
8:50		"	"	6.08	600	1.71	3.99	25.46	392.3	
8:55		"	"	5.98	600	1.57	3.83	25.67	427.2	
9:00		"	"	5.93	601	1.59	3.89	25.62	435.8	
9:05		"	"	5.83	600	1.12	3.79	25.59	462.6	
9:10		"	"	5.82	600	1.01	3.73	25.60	473.9	
9:15		(Sample collection at 9:15 am PSMPW5 - 313, 07/09/08)								
9:20										
9:25										
9:30										

[signature] 07/09/08

R2-0007639

Controller Box [illegible]
for: <50 ml/min (212 Hz.)

DEVELOPMENT SUMMARY SHEET

109 fts.

DATE: 7/21/08
TIME:
WEATHER CONDITIONS: 98°F / Sunny

WELL #: MPW-6 ~~85~~ [illegible] marked down 2' for more read in sub pump
DEPTH OF PUMP: ~~83~~ fts bgs
CDM Personnel: J. Reyes / H. Chard

ELAPSED TIME (min)	VOLUME PURGED (gals)	DEPTH TO WATER (FT TIC)	FLOW RATE (gpm)	pH (± 0.1 SU)	SPECIFIC COND. mS/cm (± 3%)	TURBIDITY NTUs (± 10%)	DISSOLVED OXYGEN mg/L (± 10%)	TEMP. °C (± 10%)	REDOX POTENTIAL mV (± 10 mv)	OBSERVATIONS
12:10			900 mL	5.47	410	24.3	5.31	27.15	128.9	
12:15			180 mL	5.37	408	24.9	5.01	27.27	170.4	
12:20			180 mL	5.28	408	25.70	4.74	28.45	282.9	
12:25			-50 mL	5.36	409	24.50	4.78	28.60	311.1	
12:30			-50 mL	5.59	411	27.1	4.84	29.40	364.9	
12:35			-50 mL	5.76	410	30.1	4.82	30.34	426.3	
12:40			-50 mL	5.76	411	29.3	4.87	30.27	428.3	
12:45			-50 mL	5.75	411	28.1	4.79	30.38	428.6	
12:50			Sample collected at 12:50 pm							
			Collected @ Dep of 109 No minutes							
			DS - MPW6 - 425 / 1330							

[signature] 7/21/08

R2-0007640

Controller Box = 12 Hz
for: 150 ml/min

DEVELOPMENT SUMMARY SHEET

DATE: 7/21/08
TIME: 7:40
WEATHER CONDITIONS: 90°f. Sunny

WELL #: MPW-6
DEPTH OF PUMP: 159' ft.
CDM Personnel: J. Reyes, H. Chacon

ELAPSED TIME (min)	VOLUME PURGED (gals)	DEPTH TO WATER (FT TIC)	FLOW RATE (gpm)	pH (± 0.1 SU)	SPECIFIC COND. mS/cm (± 3%)	TURBIDITY NTUs (± 10%)	DISSOLVED OXYGEN mg/L (± 10%)	TEMP. °C (± 10%)	REDOX POTENTIAL mV (± 10 mv)	OBSERVATIONS
5:15		83.15'	150ml/min	4.57	454	24.03	3.12	26.90	216.5	Installed Centralizer grounds
8:20		84.13'	100ml/min	5.33	468	23.6	3.13	29.38	262.2	214 Hz
8:25		84.18'	50ml/min	5.47	474	22.0	3.20	29.77	362.2	84.18' of 2" drill pipe
8:30		"	"	5.72	481	17.1	3.18	30.28	345.3	
8:35		"	"	5.91	496	16.3	3.18	31.48	386.1	
8:40		"	"	5.95	502	18.3	3.19	32.40	397	
8:45		84.28'	"	6.01	507	16.7	3.16	32.80	422.1	
8:50		"	"	5.97	518	16.8	3.17	33.80	451.6	
8:55		"	"	6.07	523	15.2	3.25	34.22	462.3	
9:00		"	"	6.13	519	17.8	3.14	33.65	506.1	
9:05		"	"	5.86	508	17.1	3.11	32.60	522.1	
9:10		"	"	5.80	507	17.5	3.15	32.68	536.9	
9:15		5 GPM pk.		water		25	MPW6 - 159			
						(9:10am, 7/21/08)				

7/21/08

R2-0007641

Catalog Box at 205.60
For: 1.4 lts/min

DEVELOPMENT SUMMARY SHEET

DATE: 7/18/08
TIME: 14:31
WEATHER CONDITIONS: 97°F / Sunny

WELL #: MPW6
DEPTH OF PUMP: 177 fts. bgs
CDM Personnel: [signature]

ELAPSED TIME (min)	VOLUME PURGED (gals)	DEPTH TO WATER (FT TIC)	FLOW RATE (gpm)	pH (± 0.1 SU)	SPECIFIC COND. mS/cm (± 3%)	TURBIDITY NTUs (± 10%)	DISSOLVED OXYGEN mg/L (± 10%)	TEMP. °C (± 10%)	REDOX POTENTIAL mV (± 10 mv)	OBSERVATIONS
14:35		73.22	1.4 lts/min	4.9	454	13.9	4.31	25.99	321.4	at 2" pipe.
14:40		"	"	4.9	451	13.7	4.22	26.02	341.12	
14:45		"	"	4.89	447	12.6	4.12	26.05	365.5	
14:50		"	"	4.88	444	12.6	4.05	26.1	385.1	
14:55		"	"	4.78	443	11.7	3.85	26.50	457.3	
15:00		"	"	4.72	447	11.01	3.81	26.12	521.3	
15:05		"	"	4.67	447	5.83	3.78	26.19	554.3	
15:10		"	"	4.68	446	5.55	3.86	26.16	593.1	
15:15		"	"	4.70	445	4.39	3.75	26.1	601.3	
15:20			Sample	Collection		PS MPW6 -			177	
15:25						(15:20, 7/18/08)				

[signature] 7/18/08

R2-0007642

Controller Box at 203.60
for: 1.5 Hz/min.

DEVELOPMENT SUMMARY SHEET

DATE: 7/18/08
TIME: 12:50pm
WEATHER CONDITIONS: 97°F / Sunny

WELL #: MDW6
DEPTH OF PUMP: 195 ft bgs
CDM Personnel: J. Chacón / J. Reyes

ELAPSED TIME (min)	VOLUME PURGED (gals)	DEPTH TO WATER (FT TIC)	FLOW RATE (gpm)	pH (± 0.1 SU)	SPECIFIC COND. mS/cm (± 3%)	TURBIDITY NTUs (± 10%)	DISSOLVED OXYGEN mg/L (± 10%)	TEMP. °C (± 10%)	REDOX POTENTIAL mV (± 10 mv)	OBSERVATIONS
1:00		74.17*	1.5 Hz/min	4.60	436	8.73	4.54	25.71	232.5	* at 2" pipe
1:05		"	"	4.60	429	7.90	4.60	25.81	246.5	
1:10		"	"	4.55	441	5.26	4.39	25.89	333.6	
1:15		"	"	4.65	442	4.22	4.30	25.86	389.4	
1:20		"	"	4.71	444	3.41	4.15	25.95	449.4	
1:25		"	"	4.75	447	3.30	4.06	26.92	480.3	
1:30		73.85	0.8 Hz/min	4.65	445	3.53	4.06	26.03	493.2	Drop in flow rate observed
1:35		"	"	4.91	449	3.22	3.98	26.52	526.5	
1:40		"	"	4.84	446	3.19	3.94	26.24	557.9	
1:45		"	"	4.90	447	3.21	3.92	26.27	564.0	
1:50		"	"	4.82	454	3.18	3.83	26.38	568.1	
1:55		Sample collection				PS MDW6-195				
2:00					(13:55, 7/18/08)					

R2-0007643

Controller Box at 205 ft
Pump: 1.1 lts/min

DEVELOPMENT SUMMARY SHEET

DATE: 7/18/08
TIME:
WEATHER CONDITIONS: 85°F/Cloudy

WELL #: MPW6
DEPTH OF PUMP: 219 ft bgs
CDM Personnel: A. Chavez N. Reyes

ELAPSED TIME (min)	VOLUME PURGED (gals)	DEPTH TO WATER (FT TIC)	FLOW RATE (gpm)	pH (± 0.1 SU)	SPECIFIC COND. mS/cm (± 3%)	TURBIDITY NTUs (± 10%)	DISSOLVED OXYGEN mg/L (± 10%)	TEMP. °C (± 10%)	REDOX POTENTIAL mV (± 10 mv)	OBSERVATIONS
8:25		70.75'	1.4 lts/min	4.13	454	8.22	5.37	25.37	351.7	
8:30		"	"	4.20	464	7.32	5.34	25.47	369.8	
8:35		"	"	4.20	440	7.37	5.27	25.60	389.5	
8:40		"	"	3.30	439	5.43	4.93	25.70	509.1	
8:45		72.61	"	3.37	439	5.58	4.97	25.77	529.5	
8:50		"	"	4.29	453	3.48	4.75	25.98	576.5	
8:55		"	"	4.27	454	3.43	4.73	25.89	582.3	
9:00		72.51	"	4.15	457	3.60	4.66	25.94	589.3	
9:05		"	"	4.58	464	3.65	4.58	26.08	611.0	
9:10		72.43	0.9 lts/min	3.93	466	3.14	4.57	26.18	612.9	Drop in flow rate observed
9:15		"	"	3.73	467	3.01	4.67	25.98	621.7	
9:20		"	"	3.98	473	2.99	4.55	26.29	628.4	
9:25		72.38	"	3.99	476	2.93	4.50	26.37	633.2	
9:30		"	"	3.94	475	2.94	4.52	25.94	638.4	
9:35		"	"	4.20	470	2.43	4.41	26.29	641.4	
9:40		"	"	4.04	472	3.34	4.30	26.30	643.4	

(Sample collected at 9:45 am/7/18/08, AS MPW6-219)

R2-0007644

Controller Pump at 203 Hz
for 150 ml/min

DEVELOPMENT SUMMARY SHEET

DATE: 7/17/08
TIME: 15:25
WEATHER CONDITIONS: 95°F / Sunny

WELL #: MPW6 (IWAX
DEPTH OF PUMP: 241 fts. bgs
CDM Personnel: [illegible] / [illegible]

ELAPSED TIME (min)	VOLUME PURGED (gals)	DEPTH TO WATER (FT TIC)	FLOW RATE (gpm)	pH (± 0.1 SU)	SPECIFIC COND. mS/cm (± 3%)	TURBIDITY NTUs (± 10%)	DISSOLVED OXYGEN mg/L (± 10%)	TEMP. °C (± 10%)	REDOX POTENTIAL mV (± 10 mv)	OBSERVATIONS
15:30		69.25	150 ml/min	6.29	567	4.24	4.29	29.98	103.9	
15:35		75.82	"	6.23	571	2.59	4.09	30.37	212.7	
15:40		76.45	"	6.23	575	2.33	4.24	30.57	288.3	
15:45		"	"	6.25	574	2.37	4.44	30.63	336.6	
15:50		76.65	<50 ml/min	6.26	573	3.33	4.88	30.67	361.7	
15:55		"	"	6.26	573	4.22	5.01	30.66	391.6	
16:00		76.65	"	6.26	573	4.82	4.89	30.66	408.4	
16:05		76.67	"	6.28	572	3.42	4.83	30.55	416.4	
16:15		Sample collection PSMPW6-241								
16:20							16:10, 7/17/08			
16:25										

[signature] 7/17/08

Controller Box from 21.20 to ~~20802~~ 20802 Hz for 1.4 lts/min

DEVELOPMENT SUMMARY SHEET

DATE: 7/17/08
TIME: 12:25 pm
WEATHER CONDITIONS: 97°F / Clear

WELL #: MPW6 (CLAY)
DEPTH OF PUMP: 299 ft bgs
CDM Personnel: A Elsaesser / J. Keys

ELAPSED TIME (min)	VOLUME PURGED (gals)	DEPTH TO WATER (FT TIC)	FLOW RATE (gpm)	pH (± 0.1 SU)	SPECIFIC COND. mS/cm (± 3%)	TURBIDITY NTUs (± 10%)	DISSOLVED OXYGEN mg/L (± 10%)	TEMP. °C (± 10%)	REDOX POTENTIAL mV (± 10 mv)	OBSERVATIONS
12:35		69.49'	1.4 lts/min	5.33	547	60.9	4.37	26.71	26.3	
12:40		72.67	"	5.35	534	26.2	3.45	26.28	159.8	72.67' at 2" pipe reading.
12:45		"	"	5.27	584	10.97	3.45	26.06	269.8	
12:50		72.55	"	5.27	583	8.41	3.48	26.00	289.6	
12:55		"	"	5.35	620	5.90	3.04	26.15	348.2	
1:00		72.47	"	5.35	630	6.03	3.09	26.19	345.4	
1:05		"	"	5.37	627	5.83	3.08	26.23	391.3	
1:10		"	"	5.44	629	5.39	3.16	26.46	358.6	
1:15		"	"	5.39	613	5.38	3.09	26.15	404.0	
1:20		"	"	5.42	615	5.06	3.10	26.99	425.7	
1:25		72.35'	400 ml/min	5.63	614	5.58	3.13	27.10	442.2	0.7 lts/min
1:30		72.30	"	5.54	617	5.96	3.32	26.94	474.9	
1:35		"	"	5.58	617	6.03	3.30	26.93	481.5	
		Sample collected at 13:40 (1.4 gpm)								

15 MPW6-299 (2/17/08)

R2-0007646

Contains Box at 208
for <250 ml./min

DEVELOPMENT SUMMARY SHEET

DATE: 7/17/08
TIME: 8:50 am
WEATHER CONDITIONS: 97°F / Cloudy, Humid.

WELL #: MPW 6 (Inax)
DEPTH OF PUMP: 311 ft. bgs
CDM Personnel: H. Chacón / T. Reyes

ELAPSED TIME (min)	VOLUME PURGED (gals)	DEPTH TO WATER (FT TIC)	FLOW RATE (gpm)	pH (± 0.1 SU)	SPECIFIC COND. mS/cm (± 3%)	TURBIDITY NTUs (± 10%)	DISSOLVED OXYGEN mg/L (± 10%)	TEMP. °C (± 10%)	REDOX POTENTIAL mV (± 10 mv)	OBSERVATIONS
9:00		72.46	<250 ml/min	4.58	410	42.9	7.67	30.47	306.8	
9:05		"	"	5.04	415	"	9.63	30.27	309.9	from 208 Hz to 211 Hz
9:10										No pumping
9:15		72.46	1.4 lt/min	3.85	580	40.6	9.21	26.35	384.5	219 Hz cont test
9:20		86.85	300 ml/min	4.08	580	40.5	8.01	26.88	400	219 Hz
9:25		"	<250 ml/min	4.71	580	40.0	7.52	28.06	422	221 Hz
9:30		"	300 ml/min	5.28	580	39.8	7.21	30.11	446.2	
9:35		90.11	"	5.35	582	46.3	7.16	30.29	450.8	226 Hz
9:40		91.95	<250 ml/min	5.46	579	47.2	6.93	31.06	472.8	228 Hz
9:45		"	"	5.37	580	45.0	7.10	30.37	487.2	229 Hz
9:50		93.37	"	5.43	576	47.3	7.42	30.32	500.9	230 Hz
9:55		"	"	5.63	577	45.4	7.08	31.58	526.9	233 Hz
10:00		95.91	"	5.67	576	49.3	6.64	31.60	528.0	233 Hz.
10:05		"	"	5.76	576	45.0	6.80	31.70	536.0	"
10:10		"	"	5.77	576	45.3	6.59	31.82	538.0	"

sample collected at 10:15 am PS MPW 6 - 311
7/17/08

R2-0007647

Controller Box at: 208
fan: <25 ml/min

DEVELOPMENT SUMMARY SHEET

DATE: ~~7/16/08~~ 7/12/08
TIME:
WEATHER CONDITIONS: 97°F / Cloudy, Humid.

WELL #: MDW6 (Ivax)
DEPTH OF PUMP: 311 fts. bgs
CDM Personnel: H. Chacón / ~~M. Valentino~~ T. Reyes

ELAPSED TIME (min)	VOLUME PURGED (gals)	DEPTH TO WATER (FT TIC)	FLOW RATE (gpm)	pH (± 0.1 SU)	SPECIFIC COND. mS/cm (± 3%)	TURBIDITY NTUs (± 10%)	DISSOLVED OXYGEN mg/L (± 10%)	TEMP. °C (± 10%)	REDOX POTENTIAL mV (± 10 mv)	OBSERVATIONS
9:00		72.46	<250 ml/min	4.58	410	42.9	7.67	30.47	306.8	
9:05		"	"	5.04	415		9.63	30.27	309.9	increase from 208 to 211 Hz
9:10										no pumping
9:15		1.4 lts/min	72.46	3.85	580	40.6	9.21	26.35	384.5	219 Hz cont. test
9:20		300 ml/min	86.85	4.08	580	40.5	8.01	26.88	400	219
9:25		86.85	<250 ml/min	4.71	580	40	7.52	25.06	422	221.50 H2O
9:30										
9:										

Appendix F-2 – Stage 1 Groundwater Sampling Sheets

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra G.W. Contention Site

DATE: 1/13/2009 WELL #: MPW-1 / Port #1

TIME: 9:00 DEPTH OF PUMP: YSI # 01H0711AD

WEATHER CONDITIONS: 85°F Sunny SAMPLERS: J. Reyes, P. Conelly

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
9:13	Finish	first	purge.						24.50	
9:33		45.28	400		7.14	521	0.00	4.54	24.51	43.9
9:36			400		7.13	523	0.00	3.48	24.63	53.1
9:39			400		7.15	524	0.00	3.31	24.67	55.2
9:41			400		7.19	528	0.00	3.28	24.68	55.3
9:44			400		7.18	531	0.00	3.23	24.69	55.6
9:50			400		7.19	530	0.00	3.26	24.67	55.5
9:55	Finish	2nd	purge							
10:30		60 PSI	250	collecting		sample.				

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Blank reading = 34.71'

REV 5/01

R2-0007650

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra G.W. Control Site

DATE: 11/13/2009 WELL #: HPW-1 / Port #2

TIME: 9:00 DEPTH OF PUMP: VSP 03D0609 AU

WEATHER CONDITIONS: 85°F Sunny. SAMPLERS: J. Reyes; P. Coveny

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
9:13	first	Purge	Done.							
9:33		45.33	400		6.85	604	0.00	5.98	24.70	300.0
9:36			400		6.79	604	0.00	5.56	24.68	319.0
9:39			400		6.74	605	0.00	5.45	24.76	327.9
9:41			400		6.77	6.08	0.00	5.47	24.78	328.1
9:44			400		6.81	608	0.00	5.45	24.80	329.1
9:50			400		6.83	6.09	0.00	5.46	24.83	329.5
9:55	Final	2nd	Purge							
10:35		60 psz	250mL	Collecting	Sample.					

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra

YSI SN: 01J0899 AW ~~01K0050 AB~~

DATE: 1-13-09 WELL #: MPW-1 / Port #3

TIME: 0900 DEPTH OF PUMP:

WEATHER CONDITIONS: Sunny, 70's F SAMPLERS: P. Connelly

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	~~DRAWDOWN FEET (+/- 0.3 FT)~~ psi	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
0913	First Purge Complete									
0933		~~45~~.31	700	60 psi	7.35	624	3.4	1.00	24.76	-3.5
0938			400	60 psi	7.30	624	3.7	0.93	24.93	-23.2
0941			400	"	7.27	622	~~4~~ 4.4	0.89	24.92	-45.8
0944			350	85 ~~85~~	7.29	632	1.2	0.88	25.18	-39.2
0948			300	90	7.29	630	1.1	0.95	25.66	-25.4
0953	~~Second~~ Second Purge Complete									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra

YSI SN: 01K0050 AB

DATE: 1-13-08 **WELL #:** MPW-1 / Port #4

TIME: 0900 **DEPTH OF PUMP:**

WEATHER CONDITIONS: Sunny, 70's F **SAMPLERS:** P. Connelly

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	~~DRAWDOWN FEET (+/- 0.3 FT)~~	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
0913	First Purge Complete									
0937				60	8.07					
0938	Lost Flow. Stop Purge. Second Purge									
1003			150	80	7.37	670	4.8	1.90	25.16	123.5
1004	Lost Flow. Third Purge									
~~1100~~ 1200			800	100	7.44	658	6.4	13.85	24.97	104.2
1203			800	100	7.17	651	1.2	10.09	24.63	172.8
1206			500	100	7.12	650	3.8	10.04	24.69	236.5
1209			200	80	7.16	646	0.0	11.50	25.12	268.3
1212			150	80	7.19	644	0.0	13.54	25.64	277.9
	GW/ 44.78									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cedar GW. Contractor Site

DATE: 1/13/2009 WELL #: MPW-1 / Point 5

TIME: 900 DEPTH OF PUMP:

WEATHER CONDITIONS: 85°F Sunny SAMPLERS: J. Meyer, P. Connelly

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
9:20	finish	first	purge		7.83	6.65		0.34	24.53	54.0
10:00		80 psi	400		7.83	0.65	0.00	0.24	24.52	54.0
10:03		80 psi	400		7.69	6.64	0.00	0.11	24.46	69.4
10:06		80 psi	400		7.65	6.65	0.00	0.08	24.50	65.1
10:09		80 psi	400		7.64	6.67	0.00	0.07	24.65	70.6
10:11		80 psi	400		7.63	6.69	0.00	0.07	24.88	72.1
10:15	finish 2nd purge									
~~10:30~~ 10:45		60 psi	250 mL	← collecting sample.						
	water level = 45.00'									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra

DATE: 1-13-09 WELL #: MPW-1 / Port #6

TIME: 0900 DEPTH OF PUMP:

WEATHER CONDITIONS: Sunny, 70's F SAMPLERS: P. Connelly

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	~~DRAWDOWN FEET (+/- 0.3 FT)~~ PSI	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
0920	First Purge Complete									
1000			900	80	7.66	643	0.80	10.58	24.63	-73.9
1005			800	80	7.24	633	0.50	11.59	24.55	-56.6
1008			150	80	7.24	631	1.2	12.72	24.71	-53.9
1011			150	80	7.28	629	1.3	14.15	25.31	-56.5
1015	~~Second~~ Second Purge Complete									
		47.15'								

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra G.W. Contiuta Site

DATE: 1/16/09 WELL #: MPW-2 / Port #1

TIME: 8:50 DEPTH OF PUMP:

WEATHER CONDITIONS: 89° F Sunny SAMPLERS: J. Reyes, P. Conelly

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
8:57	First Purge	Jon ~~45.90~~								
9:15	75 PSI	44.85	800		7.41	488	0.39	-0.30	23.85	20.2
9:18	75 PSI		800		7.04	488	2.01	0.36	24.11	14.02
9:21	75 PSI		300		7.02	489	1.60	0.39	24.07	11.03
9:24	85 PSI		300		7.01	490	3.05	0.35	23.97	11.09
9:27	85 PSI		200		7.02	492	3.06	0.13	24.07	10.8
9:30	85 PSI		300		7.00	491	3.04	0.15	24.00	15.09

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra G.W. Contain Site

DATE: 1/16/09 WELL #: MPW-2 / Dup #2

TIME: 8:50 DEPTH OF PUMP:

WEATHER CONDITIONS: 89° F Sunny SAMPLERS: J. Reyes, P. Conelly

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
8:57	First Reg.	44.80								
9:15	75 PSI	44.80	800		6.98	518	2.07	0.04	24.06	127.9
9:18	77 PSI		800		6.90	515	1.96	0.02	24.08	157.8
9:21	85 PSI		300		6.89	515	1.01	0.02	24.05	178.3
9:24	85 PSI		300		6.88	513	2.84	0.03	24.08	196.1
9:27	88 PSI		300		6.88	515	2.03	0.03	24.15	209.0
9:30	90 PSI		300		6.88	513	2.01	0.03	24.12	208.9

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

Initial DTW = 44.83'

SITE NAME: Cidra G.W. Contain Site

DATE: 1/16/09

WELL #: MPW-2 Port #3

TIME: 0850

DEPTH OF PUMP:

WEATHER CONDITIONS: 89° F Sunny

SAMPLERS: J. Reyes, P. Conelly

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	~~DRAWDOWN FEET (+/- 0.3 FT)~~ psi	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
0857	First Purge Complete									
0915			800	75	7.62	538	0.00	1.50	24.11	228.7
0918			600	75	7.39	538	0.00	1.83	24.13	297.5
0921			300	75	7.31	538	0.00	1.87	24.09	350.6
0924			300	85	7.27	537	0.00	1.93	24.12	100.1
0927			300	85	7.25	537	0.00	1.88	24.18	100.1
0930			150	90	7.22	537	0.00	1.85	24.16	208.4
0931	Second Purge Complete									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

Initial DTW = 44.95'

SITE NAME: Cidra GW. Contact Site

DATE: 1/16/09

WELL #: MPW-2 port #4

TIME: 0850

DEPTH OF PUMP:

WEATHER CONDITIONS: 89° F Sunny

SAMPLERS: J. Reyes, P. Conelly

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	~~DRAWDOWN FEET (+/- 0.3 FT)~~ PSI	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10)
0857	First Purge Complete									
0915			800	75	7.39	481	0.50	5.61	24.13	104.6
0918			600	75	7.38	480	1.7	5.87	24.12	98.1
0921			300	75	7.45	480	4.8	5.89	24.03	93.0
0924			300	85	7.45	480	5.8	5.90	24.13	92.7
0927			300	85	7.49	480	8.3	5.85	24.08	90.3
0930			150	90	7.48	480	5.1	5.88	24.11	90.0
0931	Second Purge Complete									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to fi minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicate parenthesis.

RE

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: GDRA GW Contamination Site

DATE: 1/19/09 WELL #: MPW-3

TIME: 12:00 DEPTH OF PUMP:

WEATHER CONDITIONS: 89°F Sunny. SAMPLERS: J. Reyes ; P. Connelly

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
12:08	completed		first	Purge.						
12:30	75psi	34.32	700		7.47	626	0.06	1.89	23.75	129.0
12:33			400		7.03	623	0.00	0.39	23.68	153.6
12:36			300		6.99	623	0.00	0.28	23.65	172.8
12:39			300		6.98	624	0.00	0.27	23.64	193.2
12:42	85psi		300		6.99	625	0.00	0.26	23.65	210.9
12:45	85psi		150		7.00	625	0.00	0.24	23.64	224.5
—	o	—	o	—	—	o	—	—	o	—
13:00	Start Sampling									
	collected		Here		& MS/MSD.					

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra GW Contour Site

DATE: 1/16/09 WELL #: MW-3 / Port #2

TIME: 11:35 DEPTH OF PUMP:

WEATHER CONDITIONS: 89° F. Sunny SAMPLERS: J Reyes, P. Comerly

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
11:55	completed first Purge.									
12:20	75 gal		900		7.80	628	0.00	0.71	23.53	-69.7
12:23	78 gal		600		7.38	623	0.00	0.41	23.62	-33.0
12:26	75 gal		600		7.29	626	0.00	0.40	23.63	-4.0
12:29	85 gal		600		7.29	627	0.00	0.42	23.67	8.1
12:32	85 gal		600		7.29	627	0.00	0.44	23.66	20.9
12:35	81 gal		600		7.29	627	0.81	0.42	23.66	21.0

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra GW Contour Site

DATE: 1/16/09 WELL #: MPW-3 / Port #3

TIME: 11:35 DEPTH OF PUMP:

WEATHER CONDITIONS: 89° F. Sunny SAMPLERS: J. Reyes, P. Conelly

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
11:35		32.64	first	purge complete						
12:20	75 BF	32.64	900		8.02	640	1.78	4.35	23.69	368.1
12:23	78 BF		600		7.60	638	2.29	4.01	23.64	331.8
1226	75 BF		600		7.44	639	0.00	4.30	23.65	409.0
1229	85 BF		400		7.43	640	5.84	4.85	23.70	435.9
12:32	85 BF		400		7.38	641	3.45	4.90	23.71	480.1
12:35	85 BF		400		7.39	643	4.88	4.93	23.70	460.3

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

Initial DTW = 32.55'

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidna GW Contractor Site

DATE: 1/16/09 WELL #: MPW-3 Point #4

TIME: DEPTH OF PUMP:

WEATHER CONDITIONS: 89° F. Sunny SAMPLERS: J. Dwyer, P. Connelly

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	~~DRAWDOWN FEET (+/- 0.3 FT)~~ psi	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
1155	First Purge Complete									
1220			900	75	7.33	659	0.00	0.81	23.61	94.0
1223			600	75	7.24	657	2.0	0.52	23.59	118.1
1226			400	75	7.24	656	0.00	0.48	23.65	138.9
1229			400	85	7.23	657	1.3	0.48	23.62	155.4
1232			300	85	7.22	656	0.00	0.47	23.67	173.4

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

Initial DTW = 32.50'

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra GW Controls Sys

DATE: 1/16/09 WELL #: MW-3 port #5

TIME: DEPTH OF PUMP:

WEATHER CONDITIONS: 890 F. Sunny SAMPLERS: J Dye, P. Comerby

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	~~DRAWDOWN FEET (+/- 0.3 FT)~~ psi	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
1155	First Purge Complete									
1220			900	75	7.81	661	0.00	1.51	23.63	19.3
1223			600	75	7.70	659	0.75	1.26	23.63	17.9
1226			400	75	7.75	660	4.0	1.37	23.66	16.1
~~1229~~			~~400~~	~~85~~	~~7.72~~	~~656~~		~~0.49~~	~~23.63~~	
1229			400	85	7.71	~~644~~ 661	2.4	1.39	23.67	18.5
1232			300	85	7.76	662	0.00	1.44	23.66	18.2

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra Ground Water Contamination Site

DATE: 1/15/2009 **WELL #:** MPW-4 / PORT #1

TIME: 8:00 **DEPTH OF PUMP:**

WEATHER CONDITIONS: 89° F Sunny **SAMPLERS:** J. Meyes, P. Conelly

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	RED POTEI m (+/- 1(
8:30	Rinsed	Purge.								
9:00	75 PSI	34.24	600		7.25	532	1.0	0.49	23.50	231.8
9:03	75 PSI		600		7.05	531	0.5	0.45	23.90	222.0
9:06	75 PSI		300		7.02	531	13.0	0.36	23.93	222.2
9:09	75 PSI		300		7.01	530	0.90	0.34	23.90	223.5
9:12	80 PSI		300		6.98	531	0.00	0.31	23.87	227.6
9:15	80 PSI		300		6.97	532	0.00	0.29	23.96	230.1
9:18	90 PSI		300		6.97	531	0.00	0.30	23.93	230.3
Dry ~~9:21~~										
Dry ~~9:25~~										

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to fi minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicate parenthesis.

RE

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra Ground Water Contamination Site

DATE: 1/15/2009 WELL #: MPW-4 / PORT #2.

TIME: 8:00 DEPTH OF PUMP:

WEATHER CONDITIONS: 89° F Sunny SAMPLERS: J. Meyes, P. Conelly

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	RED POTE m (+/- 1(
8:30	first	purge								
9:00	75 psi	34.20	600		6.75	511	5.3	0.10	23.81	129.8
9:03	75 psi		600		6.73	509	6.8	0.50	23.84	129.9
9:06	75 psi		300		6.74	508	7.0	0.49	23.85	119.1
9:09	75 psi		300		6.74	508	1.0	1.83	23.80	126.5
9:12	80 psi		300		6.75	508	0.35	0.36	23.85	131.6
9:15	80 psi		300		6.74	506	2.9	0.36	23.80	136.1

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to fi minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicate parenthesis.

RE

Initial DTW = 34.19'

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Giant Guard Water Conductor Site

DATE: 1/15/2009 WELL #: MPW-4 Port #3

TIME: 8:00 DEPTH OF PUMP:

WEATHER CONDITIONS: 89° F Sunny SAMPLERS: J. Reyes, P. Conelly

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE mL/min	~~DRAWDOWN FEET (+/- 0.3 FT)~~ psi	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
0830	First Purge Complete									
0900			600	75	7.21	613	0.00	1.53	28.36	26.7
0903			300	75	6.86	611	1.6	1.08	23.93	53.6
0906			300	75	6.86	609	5.2	1.18	23.95	62.6
0909			150	75	6.85	609	0.00	1.17	23.92	69.8
0912			150	80	6.85	608	0.00	1.19	24.03	74.6
0915			150	80	6.85	608	0.00	1.29	24.15	78.4
0918			150	80	6.84	608	2.8	1.43	24.20	81.9
0919	Second purge Complete									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

Initial DTW = 34.26'

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra Ground Water Contamination Site

DATE: 1/15/2009 WELL #: MPW-4 port #4

TIME: 8:00 DEPTH OF PUMP:

WEATHER CONDITIONS: 89° F Sunny SAMPLERS: J. Meyes, P. Conelly

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE mL/min	~~DRAWDOWN FEET (+/- 0.3 FT)~~ psi	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	RED POTE m (+/- 1(
0830	First Purge Complete				7.71	552	0.00	6.49	23.93	75.8
0900			600	75	↓	↓	↓	↓	↓	↓
0903			300	75	7.53	551	0.00	6.58	24.04	149.9
0906			300	75	7.41	551	0.00	7.44	24.11	197.8
0909			150	75	7.31	552	0.00	7.52	24.05	223.8
0912			150	80	7.23	552	0.00	7.50	24.24	242.1
0915			150	80	7.11	552	0.00	7.40	24.31	260.3
0918	Second Purge Complete									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to fi minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicatec parenthesis.

RE

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Com GW. Combustion Site

DATE: 11/19/09 WELL #: MW-5 / Port #1

TIME: 8:00 DEPTH OF PUMP:

WEATHER CONDITIONS: 89° F Sunny. SAMPLERS: J. Meyer, P. Cowell

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10)
8:34	Rinse	Purge	Done.							
		41.42	500							
9:00	75 psi		300		7.60	450	0.00	2.91	24.96	-5.4
9:06	75 psi		300		7.11	446	0.00	1.85	24.70	3.4
9:09	75 psi		300		7.02	446	0.00	1.68	24.69	10.8
9:12	80 psi		100		7.01	446	0.00	1.61	24.77	20.9
9:15	85 psi		100		7.01	447	0.00	1.60	24.78	24.4
9:18	85 psi		1		7.01	444	0.00	1.55	24.48	30.9
10:00	collecting Sample.									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to fi minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicatec parenthesis.

RE

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidna GW. Contamination Site

DATE: 1/14/09 WELL #: MPW-5 / Port #2

TIME: 800 DEPTH OF PUMP:

WEATHER CONDITIONS: 89° F Sunny. SAMPLERS: J. Reyes; P. Cowell

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	RED POTE m (+/- 1
8:21	Rust	purge	completed							
		41.54	500							
900	75 psi		300		7.10	456	2.3	20.82	24.71	81.9
9:06	75 psi		300		6.96	464	3.7	17.85	24.65	121.6
9:09	75 psi		300		6.93	465	0.00	20.31	24.66	144.3
9:12	85 psi		100		6.94	466	4.8	11.99	24.87	162.5
9:15	85 psi		100		6.95	468	0.00	10.78	24.83	169.1
9:18	85 ps		100		6.96	464	0.00	9.68	24.47	170.1
10:05	collecting		Sample.							

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to fi minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicatec parenthesis.

RE

R2-0007670

Initial DTW: 41.32'

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidro GW. Construction Site

DATE: 1/14/09

WELL #: MPW-5 Port #3

TIME: 0800

DEPTH OF PUMP:

WEATHER CONDITIONS: Sunny, 70's F

SAMPLERS: J. Reyes, J. Cowell

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	~~DRAWDOWN FEET (+/- 0.3 FT)~~ psi	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	RED POTE m (+/- 1(
0821	First Purge Complete									
0900			500	75	7.70	477	1.9	3.47	25.19	-185.2
0903			300	"	7.17	467	0.35	3.84	24.94	-185.2
0906			100	"	7.02	465	1.5	4.13	24.89	-185.3
0909			100	85	7.00	464	1.5	4.13	24.98	-124.2
~~0912~~			~~100~~	~~85~~	~~7.03~~	~~464~~		~~4.49~~	~~24.86~~	~~67.1~~

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to fi minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicate parenthesis.

RE

Initial DTW = 41.61'

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra GW. Contamination Site

DATE: 1/14/09 WELL #: MPW-5 Port #4

TIME: 0800 DEPTH OF PUMP:

WEATHER CONDITIONS: Sunny, 70's F SAMPLERS: J. Reyes, P. Cowell

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	~~DRAWDOWN FEET (+/- 0.3 FT)~~ psi	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	RED POTE m (+/- 1(
0821	First Purge Complete									
0900			500	75	6.99	520	3.0	2.65	24.74	-119.8
0903			300	"	6.95	519	2.2	2.64	24.78	-221.3
0906			100	"	6.97	519	2.6	2.75	24.73	-240.7
0909			100	85	7.00	518	2.3	2.79	24.91	-235.9
~~0912~~			~~100~~	~~85~~	~~7.04~~					

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to fi minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicatec parenthesis.

RE

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra GW. Contamination Site

DATE: 1/14/09 WELL #: MPW-5 /Port #6

TIME: 8:20 DEPTH OF PUMP:

WEATHER CONDITIONS: 89° F. Sunny. SAMPLERS: J. Reyes, P. Cowell

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	RED POTE m (+/- 1(
8:34	First	purge	complete	6						
		41.76								
9:35	75 PSI				7.41	547	0.00	0.87	24.91	35.8
9:38	75 PSI		700		7.31	545	0.00	0.76	24.61	30.9
9:41	75 PSI		400		7.31	545	0.00	0.73	24.62	31.1
9:44	75 PSI		400		7.33	548	0.00	0.74	24.40	28.8
9:47	85 PSI		100		7.31	544	0.00	0.75	24.45	29.6
9:50	85 PSI		100		7.34	546	0.00	0.78	24.49	25.3
9:55	Stop	collecting	parameters.							
11:00	collecting	Sample.								

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to fi minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicatec parenthesis.

RE

LOW FLOW GROUNDWATER SAMPLING

Initial DTW = 41.60'

SITE NAME: Conoco GW. Combustion Site

DATE: 11/19/09

WELL #: MPW-5 Port #6

TIME: 0820

DEPTH OF PUMP:

WEATHER CONDITIONS: Sunny, 70's F

SAMPLERS: J. Hayes, T. Cowell

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	~~DRAWDOWN FEET (≤ 0.3 FT)~~ psi	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	RED POTE m (+/- 1
0834	First Purge Complete									
0935			700	75	7.25	553	0.45	2.54	24.74	-175.0
0938			400	"	7.13	551	0.85	2.49	24.56	-182.0
0941			100	"	7.15	551	0.55	2.56	24.41	-176.4
0944			100	85	7.16	550	0.48	2.60	24.46	-160.2
0947			100	85	7.17	550	0.55	2.70	23.86	-139.5

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to fi minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicate parenthesis.

RE

LOW FLOW GROUNDWATER SAMPLING

Initial DTW = 41.60'

SITE NAME: Cidra

DATE: 1-15-09

WELL #: MWP-5 Port #7

TIME:

DEPTH OF PUMP:

WEATHER CONDITIONS: Sunny, 70's F

SAMPLERS: P. Connelly & J. Reyer

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	~~DRAWDOWN FEET (+/- 0.3 FT)~~ psi	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
	First Purge Complete									
1157			~~300~~ 600	70	7.25	523	0.00	0.07	25.90	54.1
1200			500	70	6.96	520	0.20	0.07	25.28	176.9
1203			150	70	6.93	525	0.65	0.06	25.59	238.6
1206			100	70	6.94	524	1.1	0.04	26.37	265.1
1209			350	80	6.91	524	0.15	0.05	26.60	276.6
1212			100	80	6.89	525	1.8	0.05	26.48	289.3
1215			350	95	6.95	523	0.00	0.04	25.67	298.7
1220	Second Purge Complete									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Time to recover to static water level after 2nd purge = 10 minutes

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra GW Contaminated Site

DATE: 1/20/09 WELL #: MPW-6 / Port #1

TIME: 800 DEPTH OF PUMP:

WEATHER CONDITIONS: 89F Rainy SAMPLERS: J. [illegible] ; P. Conolly

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
8:20	completed first purge									
8:45	75 psi		700		8.66	427	2.7	1.63	24.52	-212.3
8:48	75 psi		300		8.00	431	1.3	1.52	24.37	-175.6
8:51	75 psi		300		7.82	428	0.00	1.80	24.42	-160.8
8:54	85 psi		300		7.79	424	2.8	1.85	24.53	-163.2
8:57	85 psi		300		7.78	422	1.00	1.86	24.48	-166.7
900	85 psi		150		7.77	421	0.50	1.86	24.58	-170.3

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra GW Contents Site

DATE: 1/20/09 WELL #: MPW-6 / ~~##~~ #2

TIME: 800 DEPTH OF PUMP:

WEATHER CONDITIONS: 89F Sunny SAMPLERS: J. Dayne ; P. Conolly

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	RED POTE m (+/- 1
8:20	Completed		First	Purge						
8:45	75 psi		700		7.26	408	0.00	0.77	24.45	130.9
0848	75		300		7.04	410	0.00	0.72	24.33	152.7
0851	75		300		6.98	411	0.00	0.59	24.50	173.7
0854	85		300		6.97	413	0.00	0.56	24.65	192.0
0857	85		250		6.96	415	0.00	0.45	24.76	209.0
0900	85		150		6.94	417	0.00	0.39	24.98	222.4
0905	Second	Purge Complete								

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to fi minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicatec parenthesis.

RE

R2-0007677

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra GW Contents Site

DATE: 1/20/09 WELL #: MPW-6 / ~~#2~~ #3

TIME: 800 DEPTH OF PUMP:

WEATHER CONDITIONS: 89F Rainy SAMPLERS: J. Dyer ; P. Conolly

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	RED POTE m (+/- 1
8:20	completed first purge.									
8:45	75 PSI		700		7.44	410	0.12	5.34	24.42	402.3
0848	75		300		7.22	411	0.00	4.68	24.40	436.7
0851	75		300		7.16	413	0.00	4.78	24.44	461.8
0854	85		300		7.11	414	1.7	4.51	24.53	479.0
0857	85		200		7.10	414	0.00	4.64	24.68	492.1
0900	85		150		7.09	415	0.00	4.76	24.76	502.4
0905	Second Purge Complete									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to fi minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicatec parenthesis.

RE

R2-0007678

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra GW

DATE: 1/19/2009 WELL #: MPW-6-/H

TIME: 89° F Sunny DEPTH OF PUMP:

WEATHER CONDITIONS: 8:00 SAMPLERS: J. Reyes ; P. Conne

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	RED POTE m (+/- 1
8:30	Finish the		first purge							
		68.64								
8:50	75 PSI	"	800		8.03	466	0.00	1.87	25.00	350.3
8:53	75 PSI	"	300		7.15	453	0.78	4.15	24.45	439.9
8:56	75 PSI	"	300		6.81	460	0.00	4.42	24.71	498.8
8:59	85 PSI	"	300		6.58	464	0.00	4.32	24.92	535.3
9:02	85 PSI	"	300		6.49	466	1.03	3.93	24.85	558.0
9:05	85 PSI	"	300		6.46	466	0.00	3.90	24.86	573.1
10:00	Collecting			Sample						

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to fi minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicate parenthesis.

RE

R2-0007679

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra GW

DATE: 1/19/2009 WELL #: MPW-6-15

TIME: 840 F Sunny DEPTH OF PUMP:

WEATHER CONDITIONS: 8:00 SAMPLERS: J. Reyes ; P. Coon

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REL POTEI m (+/- 1
8:30	Completed	first	Purge							
		68.71								
8:50	75 gal	"	800		8.81	536	1.88	0.67	24.83	-34.9
8:53	75 gal	"	300		7.89	521	0.00	0.69	24.44	-8.5
8:56	75 gal	"	300		7.71	525	0.49	0.95	24.69	0.6
8:59	75 gal	"	300		7.68	529	1.22	1.11	24.98	5.0
9:02	75 gal	"	300		7.67	530	0.00	1.16	24.68	5.5
10:05	@ Loading			Sample						

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to fi minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicate parenthesis.

RE

LOW FLOW GROUNDWATER SAMPLING

Initial DTW = 68.62' SITE NAME: Crane GW

DATE: 1/19/2009 WELL #: MPW-6 Port #6

TIME: 0840 F Sunny DEPTH OF PUMP:

WEATHER CONDITIONS: 8:00 SAMPLERS: J. Reyes ; P. Crane

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN ~~FEET~~ (+/- 0.3 FT) psi	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REL POTEI m (+/- 1
0830	First Purge Complete									
0850			800	75	7.51	578	3.4	1.97	24.43	2.5
0853			700	75	7.30	579	0.75	2.42	24.36	16.9
0856			300	75	7.28	579	0.50	3.13	24.51	27.2
0859			300	85	7.27	578	3.1	2.78	24.79	31.8
0902			150	85	7.24	579	2.7	3.26	24.68	43.7
0907	Second Purge Complete									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to fi minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicate parenthesis.

RE

Initial DTW = 68.60'

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Clean GW

DATE: 1/19/2009 Point #7 ~~#6~~

TIME: 840 F Sunny WELL #: MPW-6

WEATHER CONDITIONS: 8:00 DEPTH OF PUMP:

SAMPLERS: J. Reyes ; P. Cowie

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	~~DRAWDOWN FEET (+/- 0.3 FT)~~ psi	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10)
0830	First Purge Complete									
0850			800	75	7.63	564	0.00	0.29	24.52	-100.7
0853			700	75	7.19	561	0.00	0.27	24.30	-23.3
0856			300	75	7.14	559	0.25	0.25	24.43	12.2
0859			300	85	7.10	560	1.4	0.24	24.66	23.0
0902			150	85	7.07	560	4.6	0.23	24.54	32.2
0907	Second Purge Complete									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to fi minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicate parenthesis.

RE

Appendix F-3 – Stage 2 Groundwater Sampling Sheets

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: SMW-1

DATE: 7/26/10 WELL #: SMW-1

TIME: 12:30 DEPTH OF PUMP: Bottom 55 ft bgs

WEATHER CONDITIONS: 85°F SAMPLERS: [illegible]

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
12:30		42.3	150.00 ML 500 mL		6.10	0.631	31.1	0.59	27.99	116.9
12:33					6.10	0.631	30.2	0.58	27.93	115.0
12:36					6.09	0.631	25.0	0.60	27.98	112.7
12:39					6.09	0.629	23.7	0.61	27.99	110.5
12:42					6.09	0.629	22.9	0.62	28.18	108.2
12:45		42.0			6.09	0.630	21.4	0.62	28.22	106.6
12:48					6.09	0.629	20.5	0.62	28.19	106.1
12:50					6.07	0.624	15.0	0.65	28.29	105.5
12:53					6.05	0.615	13.4	0.70	28.31	107.5
12:56					6.04	0.609	12.2	0.73	28.41	107.7
12:59					6.03	0.608	11.2	0.74	28.55	107.3
13:05					6.02	0.608	9.98	0.75	28.51	107.9

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: SMW-1

DATE: 9/20/10 WELL #: SMW-1

TIME: 13:10 DEPTH OF PUMP: Bottom

WEATHER CONDITIONS: 85°F SAMPLERS: Chris Jackson

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
13:10			150.0 ml/min 500 mL		6.61	0.604	8.48	6.77	28.57	111.1
13:15					6.61	0.601	7.90	6.78	28.40	113.5
13:20					6.61	0.599	6.10	6.79	28.40	113.2
13:25					6.00	0.597	4.49	6.79	28.41	114.0
13:30					6.00	0.594	2.19	6.79	28.38	114.2
13:33					6.00	0.593	1.85	6.79	28.36	114.5
13:36					6.00	0.592	1.1	6.80	28.31	114.1
13:45	collecting	sample.								

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: SMW-2-S2

DATE: 7/27/10 WELL #: SMW-2-S2

TIME: 12:00 DEPTH OF PUMP: Bottle 102 ft

WEATHER CONDITIONS: 88°F SAMPLERS: Peter Sanchez

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
12:00		48.9	300 ml 168.95H	setting flow rate						
12:20		~~48~~ 47.20	300		5.77	1.418	over	2.09	27.93	187.4
12:23		47.92	300		5.77	1.422	"	2.06	27.90	188.1
12:26		47.92	300		5.78	1.412	"	2.05	27.80	190.0
12:29			300		5.81	1.428	"	2.04	27.79	157.0
12:32	Heavy	Shower	300		5.82	1.431	over	2.02	27.80	150.9
12:35			300		5.83	1.448	800	2.00	27.87	157.2
12:38			300		5.84	1.451	762	2.01	27.89	151.9
12:42			300		5.84	1.451	734	2.00	27.96	151.2
12:45			300		5.85	1.455	718	2.00	28.11	154.7
12:48			300		5.84	1.462	674	2.00	28.20	156.8
12:51		47.92	300		5.86	1.459	642	2.01	28.14	159.0

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: SMW-2-52

DATE: 7/27/10 **WELL #:** SMW-2-52

TIME: 12:55 **DEPTH OF PUMP:** Bauer (102 ft bgs)

WEATHER CONDITIONS: 89°F **SAMPLERS:** Cedar Lane SFC

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
12:55	47.92		300		5.86	1.454	633	2.00	28.10	162.5
12:58	"		300		5.86	1.451	578	2.03	28.22	164.5
13:02	"		300		5.86	1.447	525	2.05	28.17	165.8
13:05	"		300		5.85	1.442	340	2.07	28.06	166.0
13:10	47.92		300		5.83	1.446	220	2.13	28.20	172.4
13:15	47.92		300		5.83	1.445	222	2.10	28.20	166.6
13:20	47.92		300		5.84	.446	222	2.12	28.25	166.7
1330	collecting		Sample							

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

3) 143.40/300ml/min

1) 55 Hz
500 x 2 = 1000 ml/min

2) 144.90 Hz
500 ml/min

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: SMW3 (ESRO)

DATE: 7/26/10 WELL #: SMW3-52

TIME: 87°F, Cloudy Hot Humid (10:50) DEPTH OF PUMP: 74' bgs

WEATHER CONDITIONS: SAMPLERS: [illegible]

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
10:50		36.1	1lt/min		6.07	0.696	1.25	0.11	26.66	-18.8
11:00		37.25	800lt/min		6.07	0.692	1.20	0.10	26.70	-13.7
11:05		"	700lt/min		6.07	0.694	1.10	0.09	26.78	-9.3
11:10		"	700lt/min		6.07	0.697	1.11	0.05	26.81	-6.1
11:18			500ml/min		6.07	0.678	1.09	-0.02	26.52	0.0
11:20		36.75	300ml/min		6.08	0.679	1.09	-0.02	26.92	0.7
11:22		"	"		6.10	0.680	1.08	-0.04	26.91	3.8
11:24		"	"		6.10	0.681	1.09	-0.04	26.96	8.7
11:29		"	"		6.09	0.677	1.08	0.04	27.10	16.5
11:33		"	"		6.09	0.675	1.08	0.04	27.11	16.7
11:35		"	"		6.09	0.673	1.09	0.05	27.12	16.99
11:37		"	"		6.09	0.670	1.08	0.08	27.13	17.00

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Note: abundant micro bubbles observed in element chamber during purging for sampling

REV 5/01

R2-0007688

cont.

LOW FLOW GROUND...ATER SAMPLING

143.20 / 300ml/min

(2)

SITE NAME: SMW3 (F550)

DATE: 7/26/10 WELL #: SMW3-52

TIME: 10.50 DEPTH OF PUMP: 74'68

WEATHER CONDITIONS: 97 F, Cloudy Humid. SAMPLERS:

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
11.40		36.75	300ml/min		6.07	0.659	1.09	0.20	27.19	11.6
11.45		"	"		6.07	.0.659	1.08	0.21	27.18	11.7
11.48		"	"		6.07	0.653	1.08	0.20	27.20	~~10.09~~
11.50		"	"		6.07	0.658	1.08	0.19	27.22	10.5
11.55		"	"		6.07	0.659	1.07	0.20	27.22	10.4
12.00		"	"		6.07	0.653	1.08	0.21	27.20	10.4
Ready for Sampling										
Sample SMW3-2 C				12:00	Note:	Sample	Rx w/ HCL			in VOA's

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: SMW-5

DATE: 7/26/10 WELL #: SMW-5-52

TIME: 10:20 DEPTH OF PUMP: Bottom 57' bgs

WEATHER CONDITIONS: 79°F Cloudy SAMPLERS: Peter Jones

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
10:20		37.80 37.66	179.2ML 500ML		5.31	0.256	0.69	1.64	28.85	146.1
10:25		37.67			5.31	0.258	0.68	1.34	29.06	158.1
10:24		37.66			5.31	0.259	0.0	1.31	29.07	158.5
10:29		37.67	500ml		5.32	0.259	0.0	1.22	29.09	161.9
10:31		"			5.32	0.261	0.0	1.21	29.11	162.1
10:34		"			5.32	0.261	0.0	1.20	29.10	161.8
10:37		"			5.32	0.261	0.0	1.19	29.12	162.2
10:42		37.75	350ML		5.32	0.261	0.0	1.18	29.15	162.7
10:47		"			5.33	0.264	0.0	1.13	29.22	165.6
10:52		"			5.34	0.267	0.0	1.05	29.11	169.9
10:57		"			5.36	0.272	0.0	1.03	29.13	175.1
11:00		"	350ML		5.37	0.277	0.0	1.02	29.18	176.1

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: SMW MW-5

DATE: 7/26/10 WELL #: SMW MW-5-52

TIME: 11:05 DEPTH OF PUMP: Bottom 57' bgs

WEATHER CONDITIONS: 79°F cloudy SAMPLERS: Adam Sanchez

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
11:05		37.78	350ml		5.39	0.280	0.0	1.00	29.25	176.4
11:10					5.40	0.286	0.0	0.98	29.50	176.4
11:15					5.41	0.289	0.0	0.97	29.52	177.0
11:20					5.42	0.291	0.0	0.96	29.24	177.5
11:30	collecting	Sample.								

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

GW= 38.16'C
152 Hz

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: CC Landfill

DATE: 7/27/10 WELL #: SMW-5-52

TIME: 12:17 DEPTH OF PUMP: 90' bgs

WEATHER CONDITIONS: 90°F Sunny SAMPLERS:

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
13:33		41.20	300ml/min		10.4	0.342	0.78	0.16	27.93	89.7
13:36		"	"		10.4	0.345	0.80	0.16	27.93	89.3
13:39		"	"		10.4	0.350	0.85	0.15	27.93	89.0
13:40		"	"		10.4	0.363	0.87	0.14	27.92	89.0
13:43		"	"		10.4	0.389	0.90	0.13	27.90	89.5
13:45		"	"		10.4	0.389	0.89	0.14	27.88	90.5
13:50		"	"		10.4	0.389	0.88	0.13	27.88	90.7
13:55		"	"		10.4	0.395	0.88	0.13	27.85	90.6
14:00	Ready	for	Sampling		10.4	0.388	0.85	0.13	27.88	90.5

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

GW. 40. wft bgs
152.39 Hz

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: CC Label

DATE: 7/27/10 WELL #: CC Label

TIME: 12:17 DEPTH OF PUMP: SMW-9-52 (90' bgs)

WEATHER CONDITIONS: 90 °F, Sunny SAMPLERS: [illegible]

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
12:17	Set up	Sub. pump								
12:50		41.20	300 ml/min		10.92	0.410	1.9	0.26	28.04	55.5
13:00		"	"		11.04	0.410	1.85	0.20	28.13	57.7
13:05		"	"		10.4	0.411	1.52	0.15	28.15	67.6
13:10		"	"		10.4	0.410	1.09	0.16	28.14	67.8
13:13		"	"		10.4	0.416	1.08	0.12	28.16	72.0
13:15		"	"		10.4	0.409	1.07	0.12	28.15	74.0
13:18		"	"		10.4	0.404	0.98	0.12	28.10	76.1
13:21		"	"		10.8	0.400	0.97	0.11	28.06	78.2
13:23		"	"		10.74	0.383	0.97	0.12	28.01	78.0
13:25		"	"		10.73	0.381	0.99	0.13	28.01	78.1
13:30		"	"		10.72	0.382	0.98	0.12	28.01	78.0

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Ramayo

DATE: 7/29/10 WELL #: SMW-10

TIME: 8.45 DEPTH OF PUMP: 70 : 65

WEATHER CONDITIONS: 87° F Sunny SAMPLERS:

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
9.36		40.2	400 ml/min		12.48	2.036	20	0.10	28.03	87.9
9.39		"	"		12.45	1.962	1.4	0.10	28.05	88.4
9.42		"	"		12.43	1.932	1.4	0.08	28.10	89.1
9.45		"	"		12.37	1.845	1.4	0.07	28.12	90.3
9.48		"	"		12.36	1.793	0.00	0.06	28.15	91.3
9.51		"	"		12.31	1.689	0.00	0.07	28.13	91.2
9.54		"	"		12.34	1.673	0.00	0.06	28.30	95.0
9.57		"	"		12.20	1.570	0.00	0.05	28.30	95.6
10.00		"	"		11.77	1.103	0.00	0.04	28.35	105.7
10.05		"	"		11.78	1.089	0.00	0.05	28.35	105.8
10.10		"	"		11.71	1.068	0.00	0.05	28.35	106.1
10.15		"	"		11.69	1.072	0.00	0.07	28.35	106.8

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis. 10:15 ready for sampling

REV 5/01

GW = 39.70 TOC prior to sampling

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Kennedy

DATE: 7/29/10 WELL #: DMW-10

TIME: 8:45 DEPTH OF PUMP: 70' bgs

WEATHER CONDITIONS: 87°F, Sunny SAMPLERS: JC

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
8:45	Set up pump									
9:00		40.1	400 ml/min		12.91	4.364	34	1.31	27.25	41.4
9:06		"	"		12.89	3.982	34	0.69	27.30	42.3
9:09		"	"		13.00	4.233	32	0.56	27.30	45.2
9:12		"	"		12.59	4.053	29	0.41	27.33	47.8
9:15		"	"		12.94	3.704	24	0.23	27.45	56.6
9:18		40.2	"		12.82	3.079	9.6	0.19	27.71	67.8
9:21		"	"		12.76	2.801	9.5	0.17	27.74	71.5
9:24		"	"		12.69	2.592	6.3	0.14	27.89	76.4
9:27		"	"		12.64	2.439	4.2	0.12	27.97	80.2
9:30		"	"		12.68	2.255	2.0	0.11	28.00	82.0
9:33		"	"		12.53	2.143	2.0	0.11	28.05	85.1

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

163 Hz

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: SMW-12-S2 "Luis Munoz Marin School" (2)

DATE: 7/28/10 WELL #: SMW-12

TIME: 12:00 DEPTH OF PUMP: Bomba (85' bgs)

WEATHER CONDITIONS: 85°F SAMPLERS: [illegible]

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
12:00		44.80	Setting flow rate							
12:13		45.00	500 ml/min		11.31	1.153	> limit	-0.05	27.24	17.09
12:15		"	"		11.19	1.095	> limit	0.03	27.22	23.09
12:20		"	"		10.59	0.891	"	0.02	27.29	48.8
12:24		"	"		10.54	0.887	"	0.02	27.24	49.1
12:27		"	"		10.51	0.886	"	0.03	27.23	46.1
12:30		"	"		10.51	0.887	"	0.03	27.24	40.00
10:34		"	"		10.30	0.831	"	0.02	27.22	50.09
10:35		"	"		10.29	0.837	"	0.02	27.21	46.8
10:38		"	"		10.30	0.837	"	0.02	27.20	55.8
10:40		"	"		9.90	0.768	"	0.02	27.19	54.8
10:43		"	"		9.92	0.775	"	0.02	27.18	54.8

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

R2-0007696

163 Hz

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: SMW-12-S2 - "Luis Montez Marin School." (2)

DATE: 7/28/10 WELL #: SMW-12-

TIME: 12:00 DEPTH OF PUMP: (85 bgs)

WEATHER CONDITIONS: 85 F, Cloudy SAMPLERS: [illegible]

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
12:45		45.00	500 ml/min		9.86	0.762	>limit	-0.01	27.19	57.5
12:49		"	"		9.82	0.755	18	-0.01	27.19	57.5
12:53		"	"		9.80	0.750	14	-0.02	27.18	58.0
12:55		"	"		9.77	0.746	11	-0.02	27.18	58.7
12:58		"	"		9.76	0.744	10	-0.02	27.20	58.6
13:00		"	"		9.68	0.734	8.5	-0.02	27.24	59.8
13:03		"	"		9.67	0.734	3.8	-0.02	27.22	60.8
13:05		"	"		9.48	0.719	1.98	-0.02	27.24	61.2
13:08		"	"		9.19	0.702	1.87	-0.03	27.23	64.1
13:12		"	"		9.20	0.704	1.86	-0.03	27.26	64.7
13:15		"	"		9.06	0.700	1.78	-0.06	27.28	68.9
13:18		"	"		8.84	0.689	1.79	-0.07	27.26	69.8

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

R2-0007697

163 Hz

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: SMW-12-S2 "Lewis Munroe Mount School"

③

DATE: 7/28/10 WELL #: SMW-12

TIME: 12:00 DEPTH OF PUMP: 85' Abgs

WEATHER CONDITIONS: 85°F Cloudy SAMPLERS: [illegible]

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
13:21		45 ft	500 ml/m		8.80	0.688	1.80	-0.06	27.26	70.2
13:24		"	"		8.67	0.684	1.79	-0.08	27.25	74.8
13:27		"	"		8.48	0.679	1.70	-0.10	25.27	68.4
13:29		"	"		8.47	0.679	1.72	-0.15	27.28	70.1
13:31		"	"		8.43	0.678	1.76	-0.12	27.29	70.2
13:34		"	"		8.45	0.681	1.79	-0.11	27.29	66.4
13:37		"	"		8.12	0.640	1.80	-0.07	27.24	73.4
13:39		"	"		8.11	0.645	1.87	-0.08	27.25	70.0
13:42		"	"		8.12	0.644	1.85	-0.08	27.25	69.7
13:45		"	"	"	8.11	0.645	1.84	-0.08	27.24	69.5
ready	for	sampling		(13:45)						

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

R2-0007698

80

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Shell Foam

DATE: 7/20/10 WELL #: MW 1- P1

TIME: 10:30 DEPTH OF PUMP: nitrogen

WEATHER CONDITIONS: 87°F SAMPLERS: Pedro Shelby, H. Sun.

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
10:27	First Purge				6.58	0.587	0.0	0.50	24.52	113.1
10:31					6.54	0.586	17.3	0.48	24.39	109.7
10:35					6.75	0.584	0.0	0.44	24.47	109.1
waiting for recharge										
11:08					7.30	0.589	0.0	0.44	24.47	132.9
11:08					6.40	0.592	0.0	0.58	24.36	127.1
11:11					6.32	0.591	0.0	0.58	24.42	83.7
11:14					6.29	0.591	0.0	0.57	24.47	60.1
11:17					6.30	0.592	1.01	0.56	24.60	27.4
11:20					6.30	0.592	1.00	0.55	24.67	17.5
	waiting for recharge									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

60

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Shell Foam

DATE: 7/20/10 WELL #: MPW 1 P1

TIME: 12:50 DEPTH OF PUMP: nitrogen

WEATHER CONDITIONS: 85°F SAMPLERS: Pedro Sanchez

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
12:52					6.58	0.595	0.99	0.38	24.59	2.9
12:55					6.33	0.594	0.98	0.54	24.57	16.6
12:58					6.27	0.594	0.97	0.55	24.56	23.1
13:02					6.25	0.593	0.99	0.55	24.65	26.0
13:05					6.23	0.594	0.98	0.58	24.68	32.4
13:10		ready to sample								

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

80

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Shell Foam

DATE: 7/20/10 WELL #: MPW 1- P-2

TIME: 10:30 DEPTH OF PUMP:

WEATHER CONDITIONS: 87°F SAMPLERS: Pedro Sanchez nitrogen

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
10:26	First Purge				6.59	0.613	7.83	0.79	24.40	109.2 R-3
10:31					6.59	0.610	0.0	0.96	24.31	119.6
10:36					6.77	0.611	0.0	0.88	24.36	126.8
waiting for recharge										
11:05					6.94	0.618	0.0	0.88	24.36	164.4
11:09					6.60	0.627	0.0	1.20	24.32	170.0
11:11					6.54	0.629	0.0	1.21	24.34	171.7
11:14					6.51	0.638	0.0	1.17	24.53	173.2
11:17					6.51	0.632	1.0	1.15	24.50	173.8
11:20					6.50	0.633	1.74	1.12	24.58	174.5
waiting		for	recharge							

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

60

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Shell Foam

DATE: 7/20/10 WELL #: MPW 1 – P2

TIME: DEPTH OF PUMP:

WEATHER CONDITIONS: 85°F SAMPLERS: Pedro Nitrogen Gonzalez

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
12:52					6.62	0.620	0.97	0.94	24.54	187.9
12:55					6.50	0.618	0.98	1.09	24.51	191.4
12:58					6.46	0.616	0.97	1.11	24.52	193.1
13:02					6.43	0.614	0.97	1.10	24.62	194.8
13:05					6.40	0.614	0.98	1.08	24.68	194.9

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

* 30 psi

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Shell Foam.

DATE: 7/20/10 WELL #: MPW1-P3

TIME: 10:30 DEPTH OF PUMP: Nitrogen

WEATHER CONDITIONS: 87°F, Cloudy, rainy SAMPLERS: TH.

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
10:31	(First Purge)	*			6.56	0.745	0.00	0.49	23.63	-39.3
10:35					6.92	0.740	0.00	0.40	23.66	-13.6
10:40					7.10	0.741	0.00	0.33	23.66	5.7
Waiting for recharge			10:43,							
11:05	(Second Purge)		60 PSI		7.41	0.733	0.00	0.30	23.66	30.9
11:10			"		6.76	0.736	0.00	0.27	23.75	21.2
11:15					6.76	0.740	0.00	0.27	23.65	17.2
11:20					6.76	0.741	0.98	0.25	23.58	13.2
Waiting for Recharge (11:26)										
12:50		60 PSI			7.01	0.737	0.98	0.31	25.70	21.2
13:00					6.74	0.727	0.97	0.37	23.90	26.6
13:05					6.72	0.728	0.97	0.37	23.93	26.7

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Ready for sampling 13:06

REV 5/01

80 psi

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Shellfoam

DATE: 1/20/10 WELL #: MPW1-P4

TIME: 10:30 DEPTH OF PUMP: Nitrogen

WEATHER CONDITIONS: 85 °F, Cloudy Rainy SAMPLERS: HCM

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
10:31					7.46	0.752	0.49	0.74	24.31	138.1
10:35					7.49	0.752	0.00	0.70	24.39	127.3
10:40					7.90	0.740	0.00	0.71	24.38	121.3
11:05	(second purge)		60 PSI		7.63	0.735	0.00	0.79	24.88	125.5
11:10					7.55	0.743	0.00	0.91	24.70	122.9
11:15					7.54	0.742	0.98	0.93	24.56	123.3
11:20					7.53	0.743	0.98	0.95	24.74	123.0
waiting to recharge										
12:50	60 PSI				7.55	0.737	0.99	0.78	24.48	112.9
13:00					7.57	0.730	0.98	0.76	24.69	111.2
13:05					7.57	0.740	0.98	0.76	24.71	111.7

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

ready for sampling 13:06

REV 5/01

80

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Shell Foam

DATE: 7/20/10 WELL #: MPW 1 - P5

TIME: 14:10 DEPTH OF PUMP: nitrogen

WEATHER CONDITIONS: 85°F SAMPLERS: Pedro Sanchez

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
14:12	(First purge)				6.78	0.711	1.04	1.18	24.64	189.4
14:18					6.52	0.713	0.98	0.93	24.32	178.2
14:21					6.51	0.712	1.01	0.90	24.35	178.0
14:24					6.63	0.715	0.98	0.82	24.41	177.0
14:27					6.80	0.714	0.99	0.70	24.47	176.1
	(second purge)									
15:06					6.78	0.710	0.99	0.75	24.29	185.0
15:10					6.67	0.703	0.98	0.82	24.27	187.7
15:13					6.64	0.701	0.97	0.84	24.32	189.2
15:16					6.63	0.701	0.99	0.83	24.36	189.9
15:21	waiting for recharge									
15:28					6.62	0.705	0.98	0.82	24.64	192.1

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Shell Loan

DATE: 7/20/10 WELL #: MPW1 - P5

TIME: 15:32 DEPTH OF PUMP: Nitrogen

WEATHER CONDITIONS: 85°F SAMPLERS: Pedro Sanchez

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
15:32					6.61	0.701	0.98	0.86	24.16	194.9
15:36					6.61	0.701	0.99	0.87	24.20	194.7
16:30	Ready	for	sample							
11										

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

80 psi -

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Shell Foam.

DATE: 7/20/10 WELL #: MPW 1 - PL

TIME: 14:12 DEPTH OF PUMP: Nitrogen

WEATHER CONDITIONS: 95 F, Clear sunny SAMPLERS: ZCa.

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
14:12	(First Purge)		80 PSI		6.80	0.805	0.98	0.54	23.62	-51.2
14:20					6.90	0.785	0.99	0.35	23.70	-37.0
1425					6.53	0.785	0.99	0.32	23.73	-35.0
14:30					7.10	0.785	1.00	0.30	23.77	-27.0
14:32	Waiting for recharge									
15:10	Second purge				7.07	0.794	0.98	1.20	23.64	63.3
15:15			80 PSI		6.97	0.801	0.98	0.63	23.59	49.7
15:20			"		6.88	0.802	0.98	0.43	23.67	89.9
15:21	Waiting for recharge									
15:32	Third purge (80 PSI)				6.93	0.803	0.98	0.44	23.62	41.7
15:35					6.91	0.786	0.98	0.39	23.50	37.9
15:40					6.86	0.784	0.98	0.37	23.57	36.9

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

80 psi

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Shell Exxon

DATE: 4/22/10 WELL #: MPW1 – PC

TIME: 14:12 DEPTH OF PUMP: Unknown

WEATHER CONDITIONS: 85 F, Cloudy, Hazy SAMPLERS: JC

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
15:45			80 PSI		6.86	0.783	0.58	0.35	23.57	35.5
15:50			"		6.97	0.793	0.58	0.36	23.55	35.4
	Ready for sampling									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: MPW 2

DATE: 7/22/10 WELL #: Part 1

TIME: 8:50 DEPTH OF PUMP: Nitrogen

WEATHER CONDITIONS: 89°F, Cloudy rainy SAMPLERS: [illegible]

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
8:50	First Purge		80 PSI							
9:34	Second Purge		80 PSI		6.73	0.517	1.84	0.40	24.18	-23.4
9:40					6.38	0.520	1.82	0.73	24.17	1.2
9:43					6.35	0.520	1.82	0.72	24.18	5.8
9:45					6.32	0.522	0.60	0.70	24.18	19.2
9:47					6.27	0.524	0.43	0.69	24.18	20.1
9:50					6.25	0.523	0.48	0.67	24.17	20.0
9:55	Waiting for recharge									
10:10	Third Purge		80 PSI		6.59	0.573	0.47	0.27	24.20	61.9
10:13					6.41	0.571	0.45	0.30	24.20	63.2
10:16					6.37	0.571	0.48	0.32	24.21	64.4
10:19					6.34	0.571	0.48	0.33	24.22	65.0

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: MW 2

DATE: 7/22/10 WELL #: Part 1

TIME: 8.50 DEPTH OF PUMP: [illegible]

WEATHER CONDITIONS: 89 °F, Cloudy Hazy SAMPLERS: [illegible]

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
10:20			20PSI		6.32	0.571	0.48	0.34	24.24	66.1
	Healy	for	Sampling							

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: MPW2

DATE: 7/22/10 WELL #: P2

TIME: 8:50 DEPTH OF PUMP: Witzed

WEATHER CONDITIONS: 85 °F, Cloudy Rainy SAMPLERS: [illegible]

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
8:50	First Purge		80 PSI							
9:34	Second purge		80 PSI		6.71	0.571	1.89	0.33	24.19	23.4
9:40					6.41	0.572	1.80	0.40	24.20	36.0
9:43					6.33	0.571	1.70	0.40	24.21	39.1
9:45					6.36	0.572	0.50	0.41	24.21	40.0
9:47					6.34	0.571	0.41	0.41	24.21	43.1
9:50					6.34	0.571	0.42	0.41	24.20	43.2
10:10	Third purge		80 PSI							
10:13					6.43	0.517	0.42	0.63	24.17	45.8
10:16					6.33	0.516	0.43	0.64	24.18	50.2
10:19					6.28	0.515	0.41	0.64	24.19	53.8
10:23					6.24	0.515	0.42	0.63	24.20	57.2

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: MPW2

DATE: 7/22/10 WELL #: Port 2

TIME: 8:50 DEPTH OF PUMP: Nitrogen

WEATHER CONDITIONS: 85 of, Cloudy Rainy SAMPLERS:

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
10:27					6.22	0.515	0.42	0.63	24.21	60.3
10:30	Waiting for Recharge			80 PSI						
10:35	Ready for Sampling									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: MPW2

DATE: 7/22/10 WELL #: Port 3

TIME: 8:50 DEPTH OF PUMP: vitrogen

WEATHER CONDITIONS: 89 °F, Cloudy/rainy SAMPLERS: Pedro Yancsel

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
8:50	First purge			80 psi						
9:34	second purge			80 psi	7.44	0.576	0.20	0.33	24.21	82.2
9:40					6.92	0.579	0.21	0.13	24.19	83.1
9:43					6.87	0.589	0.18	0.10	24.20	83.0
9:46					6.84	0.580	0.19	0.09	24.19	82.9
9:49					6.82	0.580	0.18	0.08	24.20	83.0
9:52					6.81	0.586	0.19	0.08	24.20	83.0
9:55					6.81	0.580	0.18	0.07	24.20	83.1
9:56	waiting for recharge						0.18			
10:10	third purge				7.58	0.578	0.18	0.19	24.22	91.1
10:13					7.03	0.577	0.20	0.19	24.19	94.5
10:16					6.93	0.576	0.19	0.18	24.19	94.7

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: MPW 2

DATE: 7/22/10 WELL #: Port 3

TIME: 10:19 DEPTH OF PUMP: nitrogen

WEATHER CONDITIONS: 89 °F SAMPLERS: [illegible]

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
10:19					6.88	0.577	0.19	0.19	24.21	94.9
10:22					6.84	0.577	0.18	0.14	24.22	95.0
10:35	Ready for sample									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: MPW 2

DATE: 7/22/10 WELL #: Port 4

TIME: 8:50 DEPTH OF PUMP: nitrogen

WEATHER CONDITIONS: 89°F SAMPLERS: [illegible]

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
8:50	First	purge		80 psi						
9:34	Second	purge		80 psi	6.95	0.555	0.96	0.54	23.50	89.5
9:40					6.63	0.554	0.97	0.74	23.50	91.3
9:43					6.61	0.554	0.97	0.74	23.50	91.6
9:46					6.60	0.554	0.98	0.73	23.50	92.0
9:49					6.58	0.555	0.98	0.72	23.51	92.1
9:52					6.58	0.555	0.99	0.73	23.51	92.4
9:55					6.57	0.554	0.97	0.73	23.50	92.9
9:56	waiting	for		recharge			0.99			
10:10	third	purge			7.05	0.554	0.97	0.28	23.52	93.3
10:13					6.71	0.553	0.99	0.40	23.49	95.3
10:14					6.64	0.553	0.99	0.43	23.51	95.9

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: MPW 2

DATE: 7/22/10 WELL #: Port 4

TIME: 10:19 DEPTH OF PUMP: w/ tygon

WEATHER CONDITIONS: 89°F SAMPLERS: Peter Baxter

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
10:19					6.59	0.553	0.99	0.43	23.52	96.5
10:22					6.58	0.554	0.99	0.46	23.54	97.1
10:35		ready	for	sample						

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: MPW3

DATE: 7/22/10 WELL #: P1

TIME: 12:14 DEPTH OF PUMP: Dittagen

WEATHER CONDITIONS: 89 °F, Cloudy Rain SAMPLERS: [illegible]

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
12:14	First Purge		80 PSI							
12:25	Waiting for recharge									
13:00	Second Purge		80 PSI		7.11	0.658	0.93	0.06	23.67	106.5
13:10					7.05	0.659	0.92	0.06	23.69	106.6
13:15					7.03	0662	0.83	0.05	23.71	106.9
13:17					7.01	0.663	0.81	0.05	23.71	107.3
13:18					7.00	0.664	0.82	0.06	23.75	107.2
13:20					7.00	0.665	0.81	0.05	23.75	107.4
13:25	Waiting for recharge									
13:50	Third purge		80 PSI		7.81	0.665	0.92	0.02	23.78	108.9
13:53					7.22	0.651	0.90	0.05	23.70	112.4
13:55					7.11	0.652	0.89	0.06	23.71	112.1

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: MDW3

DATE: 7/22/10 WELL #: D1

TIME: 12:14 DEPTH OF PUMP: Nitrogen

WEATHER CONDITIONS: 89 °F, Cloudy Hazy SAMPLERS: [illegible]

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
13:57			80 psi		6.97	0.657	0.89	0.07	23.80	113.1
~~[illegible]~~ 14:00					6.97	0.656	0.89	0.07	23.80	113.9
14:10	Ready for sampling									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: MW 3

DATE: 7/22/10 WELL #: P2

TIME: 12:14 DEPTH OF PUMP: Midpoint

WEATHER CONDITIONS: 89°F, Cloudy/Hazy SAMPLERS: JDC

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
12:14	First	Purge	80 PSI							
12:25	Waiting for recharge									
13:00	Second	Purge	80 PSI		6.60	0.682	1.02	0.48	23.70	102.5
13:10					6.59	0.682	1.01	0.48	23.70	102.6
13:15					6.58	0.681	1.01	0.47	23.71	102.6
13:17					6.57	0.684	1.00	0.47	23.75	101.8
13:19					6.56	0.683	1.01	0.46	23.75	1.02.4
13:20					6.55	0.682	1.00	0.47	23.75	101.9
13:25	Waiting for Recharge									
13:50	Third	Purge	80 PSI		6.85	0.682	1.21	0.22	23.72	114.9
13:53					6.61	0.682	1.20	0.27	23.72	114.5
13:55					6.58	0.682	1.19			

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: MW 3

DATE: 7/22/10 **WELL #:** P2

TIME: 12:14 **DEPTH OF PUMP:** Bladder

WEATHER CONDITIONS: 89°F, Cloudy, Humid **SAMPLERS:** [illegible]

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
1857			80PSI		6.52	0.682	1.19	0.33	23.83	114.7
14:00					6.51	0.681	1.18	0.32	23.81	114.0
14:10	Ready for Sampling									
6										

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: MW 3

DATE: 12:14 7/22/10 WELL #: P3

TIME: 12:14 DEPTH OF PUMP: nitrogen

WEATHER CONDITIONS: 89°F SAMPLERS: Peter Forster

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
12:14	First purge			80 psi						
12:25	waiting for recharge									
13:00	second purge				7.02	0.739	1.19	0.26	23.00	76.3
13:03					6.83	0.739	1.12	0.27	23.00	76.6
13:06					6.81	0.740	1.18	0.26	23.01	76.6
13:09					6.80	0.741	1.12	0.26	23.03	75.3
13:12					6.80	0.743	1.18	0.27	23.09	74.0
13:15					6.79	0.744	1.15	0.26	23.08	73.0
13:18					6.80	0.745	1.16	0.29	23.10	72.3
13:25	waiting for recharge						~~1.16~~			
							~~1.16~~			

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: MPW 3

DATE: 7/22/10 WELL #: MPW 3 - 3

TIME: 13:50 DEPTH OF PUMP: nitrogen

WEATHER CONDITIONS: 89°F SAMPLERS: Pedro Tenedor

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
13:50	Third purge			80 psi	7.32	0.742	1.20	0.32	23.15	68.2
13:53					6.94	0.732	1.20	0.28	23.02	72.2
13:56					6.86	0.731	1.19	0.30	23.02	72.5
13:59					6.83	0.731	1.18	0.30	23.04	72.6
14:02					6.80	0.731	1.18	0.30	23.05	72.5
14:05					6.80	0.731	1.17	0.28	23.08	72.4
14:10	Ready for sample									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: MPW 3

DATE: 7/22/10 WELL #: P-4

TIME: 12:14 DEPTH OF PUMP: Unknown

WEATHER CONDITIONS: 89°F SAMPLERS: Pedro Sanchez

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
12:14	First purge			80 psi						
12:25	waiting for recharge									
13:00	second purge				6.79	0.685	0.96	0.66	23.64	125.0
13:03					6.70	0.684	0.91	0.67	23.68	118.6
13:06					6.69	0.684	0.95	0.67	23.70	115.7
13:09					6.67	0.685	0.92	0.66	23.74	111.4
13:12					6.65	0.685	0.91	0.65	23.76	108.01
13:15					6.64	0.684	0.51	0.65	23.77	76.3
13:18					6.63	0.684	0.92	0.61	23.75	89.6
13:25	waiting for recharge									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: MPW-3

DATE: 7/22/10 WELL #: MPW-3-4

TIME: 13:50 DEPTH OF PUMP: nitrogen

WEATHER CONDITIONS: 89°F SAMPLERS: Pedro Tavalez

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
13:50	Third purge			80psi	6.96	0.691	0.94	0.62	23.80	19.4
13:53					6.74	0.686	0.93	0.69	23.71	27.7
13:56					6.70	0.685	0.93	0.71	23.72	31.6
13:59					6.68	0.685	0.92	0.70	23.74	34.3
14:02					6.66	0.687	0.92	0.68	23.76	37.7
14:05					6.64	0.686	0.91	0.66	23.82	41.4
14:08					6.62	0.686	0.92	0.64	23.83	45.6
14:10	Ready for sample									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: MPW 3

DATE: 7/22/10 WELL #: MPW 3 - 5

TIME: 12:25 DEPTH OF PUMP: mitrosea

WEATHER CONDITIONS: 89°F SAMPLERS: Pedro Gonzalez

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
12:25	First purge			80 psi						
13:00	variations	for		increase						
13:25	second	purge		60 psi	7.14	0.747	0.76	1.05	23.00	72.0
13:28					6.91	0.748	0.53	0.51	22.96	73.2
13:31					6.87	0.747	0.58	0.43	22.97	73.5
13:34					6.85	0.747	0.51	0.34	22.99	73.2
13:37					6.85	0.745	0.50	0.30	23.00	72.9
13:40					6.85	0.744	0.52	0.28	23.00	72.9
13:43					6.85	0.742	0.55	0.26	23.02	73.0
13:46					6.85	0.742	0.58	0.24	23.04	73.1
13:49					6.85	0.742	0.58	0.26	23.02	73.0
14:10	Third purge			80 psi	7.25	0.750	0.89	0.73	23.01	76.8

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: MPW 3

DATE: 7/22/10 WELL #: MPW-3-5

TIME: 14:13 DEPTH OF PUMP: nitrogen

WEATHER CONDITIONS: 89°F SAMPLERS: Pedro Tuncler

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
14:13				80psi	6.91	0.750	0.80	0.49	23.00	77.5
14:14					6.89	0.749	0.80	0.44	23.01	77.5
14:19					6.87	0.749	0.79	0.41	23.01	77.5
14:22					6.86	0.749	0.70	0.39	23.03	77.5
14:25					6.84	0.748	0.65	0.34	23.03	77.4
14:28					6.83	0.747	0.60	0.29	23.03	77.3
14:30	ready for sample									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: MPW-4

DATE: 7/23/10 WELL #: MPW-4-1

TIME: 9:60 DEPTH OF PUMP: nitrogen

WEATHER CONDITIONS: 79 of SAMPLERS: J. Dey, T. Smale

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
9:00		30.70		80psi	First.					
9:15	waiting for	recovery.								
9:30	second	purge			6.96	0.620	1.9	0.24	24.10	172.9
9:33					6.54	0.622	1.9	0.30	24.05	176.2
9:36					6.42	0.623	1.8	0.34	24.03	175.3
9:39					6.35	0.623	1.8	0.36	24.05	174.4
9:41					6.32	0.623	1.9	0.37	24.06	173.2
9:43					6.28	0.623	1.7	0.39	24.09	171.8
9:46					6.25	0.620	1.8	0.40	24.10	169.7
9:50					6.25	0.619	1.7	0.42	24.18	169.3
9:50	waiting	for	recharge							
10:05	Third	purge	60psi		6.80	0.626	2.2	0.28	24.08	171.1

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: MPW-4

DATE: 7/23/10 WELL #: MPW-4-1

TIME: 10:09 DEPTH OF PUMP: w/tubing

WEATHER CONDITIONS: 79°F SAMPLERS: Jedas Sanchez

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
10:08				60 psi	6.38	0.624	1.9	0.44	24.03	177.9
10:11					6.29	0.624	1.9	0.48	24.06	176.3
10:14					6.26	0.624	1.8	0.50	24.08	175.5
10:17					6.25	0.624	1.8	0.50	24.11	175.1
10:20					6.24	0.625	1.7	0.50	24.11	174.9
10:23					6.23	0.625	1.7	0.50	24.10	174.5
10:25	waiting	for	recharge							
	Ready	to	sample							

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: MPW-4

DATE: 7/23/10 WELL #: MPW-4-2

TIME: 9:00 DEPTH OF PUMP: nitrogen

WEATHER CONDITIONS: 79°F SAMPLERS: J. Ryan / P. Dunphy

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
9:00		30.65	First purge		80 (PSE)					
9:15	waiting for recovery									
9:30	second purge				7.56	0.627	2.8	0.29	23.34	122.5
9:33					7.32	0.627	2.5	0.33	23.32	123.3
9:36					7.21	0.626	1.9	0.35	23.32	124.0
9:39					7.15	0.625	1.9	0.35	23.34	124.2
9:42					7.11	0.625	1.8	0.37	23.35	124.4
9:45					7.06	0.624	1.8	0.37	23.37	124.9
9:48					7.01	0.623	1.8	0.42	23.38	125.7
9:50					7.01	0.624	1.7	0.42	23.39	125.7
9:51	waiting for recharge									
10:05	third purge			0.95'	7.49	0.627	2.1	0.27	23.39	122.9

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: MW-4

DATE: 7/23/10 | WELL #: MW-4-2

TIME: 79°F 10:08 | DEPTH OF PUMP: Nitrogen

WEATHER CONDITIONS: 79°F | SAMPLERS: Colin Lawson

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
10:08				65psi	7.15	0.628	2.0	0.32	23.34	123.8
10:11					7.07	0.629	1.9	0.34	23.36	124.2
10:14					7.04	0.629	1.9	0.35	23.39	124.6
10:17					7.02	0.629	1.8	0.34	23.42	124.7
10:20					7.01	0.628	1.8	0.35	23.39	124.7
10:23					7.00	0.627	1.7	0.38	23.40	124.6
10:25	waiting for recharge									
	ready for sample									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: MPW-4

DATE: 7/23/10 WELL #: MPW-4-3

TIME: 900 DEPTH OF PUMP: withdrawn

WEATHER CONDITIONS: 99°F SAMPLERS:

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
900	First Purge		30.80	(80 PSI)	First Purge.					
9:15	Waiting for Recovery.									
9:30	Second Purge			60 PSI	7.43	0.639	0.8	0.17	24.13	104.8
9:35					7.01	0.640	0.89	0.12	24.04	107.5
9:37					6.90	0.639	0.92	0.11	24.05	106.8
9:39					6.84	0.640	0.90	0.12	24.06	106.5
9:40					6.83	0.641	0.91	0.12	24.05	106.7
9:45					6.81	0639	0.90	0.11	24.07	106.8
9:50	Waiting for Recharge									
10:05	Third purge			60 PSI	6.54	0.642	0.89	0.01	24.07	105.3
10:09					6.91	0.641	1.09	0.05	24.06	105.3
10:11					6.53	0.556	0.99	1.57	24.13	0.7

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: MW24

DATE: 4/23/10 WELL #: MW4-3

TIME: 9:00 DEPTH OF PUMP: 9 Intake

WEATHER CONDITIONS: 75°F SAMPLERS: [illegible]

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
10:15			60 PSI		6.75	0.635	0.98	0.10	24.12	103.7
10:19					6.75	0.638	0.99	0.11	24.12	103.7
10:25	Water for Recharge									
6	ready for Sampling									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: MPW-4

DATE: 7/23/10 WELL #: MPW-4-4

TIME: 9:00 DEPTH OF PUMP: within 25 ft

WEATHER CONDITIONS: 79°F SAMPLERS:

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
9:10	First Purge	30.76	(80PSI)	First Purge						
9:15	Waiting for recovery.									
9:30	Second Purge		60 PSI		6.53	0.557	1.91	1.85	24.01	-27.2
9:35					6.54	0.559	1.90	1.85	24.00	-15.4
9:37					653	0.558	1.85	1.85	24.04	-9.3
9:39					6.52	0.558	.98	1.85	24.08	-4.1
9:40					6.47	0.557	.99	1.84	24.07	-18.4
9:45					6.47	0.557	.99	1.93	24.07	-20.0
9:50	Waiting for Recharge									
9:55	Third Purge		60PSI		6.61	0.556	1.09	1.52	24.01	-15.0
10:09					6.56	0.556	1.02	1.53	24.04	-9.1
10:11					6.79	0.560	0.99	0.89	24.11	123.8

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: MW-4

DATE: 7/23/10 WELL #: MW-4

TIME: 9:20 DEPTH OF PUMP: Unknown

WEATHER CONDITIONS: 76 F SAMPLERS:

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
10:15			60 psi		6.75	0.639	0.53	0.10	24.10	103.5
10:17					6.75	0.638	0.99	0.11	24.10	103.4
10:25	Working for recharge									
6	ready for sampling									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: 5 Fds. Area

DATE: 7/21/10 WELL #: MW 5 P1

TIME: 9:00 DEPTH OF PUMP: Nitrogen

WEATHER CONDITIONS: 85F, Cloudy, Rainy SAMPLERS:

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
9:00	Start Purge		80 PSI		6.76	0.507	0.66	1.54	25.13	168.8
9:05					6.40	0.498	0.68	2.00	24.98	181.5
9:15					6.34	0.496	0.00	1.99	25.08	187.7
9:20					6.30	0.496	0.00	1.99	25.41	196.0
9:25					6.29	0.491	0.00	1.78	25.48	199.6
9:30	Waiting for recharge									
10:20	Third purge		80 PSI		6.21	0.494	0.000	1.60	25.26	220.0
10:05					6.21	0.493	0.00	1.78	25.25	221.0
10:10					6.21	0.492	0.00	1.79	25.91	230.0
10:20					6.21	0.499	0.00	1.82	25.48	236.0
10:27	finish purging									
	ready to sample									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Stag. Area

DATE: 7/20/05 WELL #: DMW5, P2

TIME: 9:00 DEPTH OF PUMP: Nitrogen

WEATHER CONDITIONS: 95°F Cloudy Hazy SAMPLERS: [illegible]

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
9:00			80 psi*		6.59	0.535	0.00	0.42	24.94	126.9
9:10					6.62	0.536	0.00	0.37	25.06	123.0
9:15					6.66	0.539	0.00	0.35	25.20	121.0
9:20					6.72	0.544	0.00	0.35	25.30	117.9
9:25					6.73	0.544	0.00	0.35	25.50	117.7
10:00	Third purge (9.20 cont. to next page)				6.73	0.538	0.00	0.40	25.24	112.0
10:05					6.74	0.537	0.01	0.38	25.23	111.0
10:10					6.74	0.536	0.00	0.38	25.23	112.0
10:20					6.74	0.539	0.01	0.39	25.23	113.0
10:37	Finish purging									
	ready to sample									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

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LOW FLOW GROUNDWATER SAMPLING

SITE NAME: STAG. Area
MPW-5

DATE: 7/21/10 WELL #: MPW 5-3

TIME: 9:00 DEPTH OF PUMP: nitrogen

WEATHER CONDITIONS: 85°F SAMPLERS: Pedro Lander

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
9:00					6.98	0.532	.06	1.50	25.52	1.50.0
9:10					6.50	0.530	.06	1.52	25.05	159.8
9:15					6.43	0.531	.06	1.36	25.20	159.1
9:20					6.40	0.535	.03	1.35	25.47	158.4
9:25					6.40	0.535	.52	1.30	25.57	158.6
9:30	Vacuating		from	recharge						
10:00	third	purge	80 PSI		6.29	0.530	0.0	1.36	25.52	161.9
10:10					6.29	0.531		1.46	25.34	163.6
10:15					6.29	0.531		1.51	25.45	162.7
10:20					6.30	0.535	.88	1.51	25.62	162.2
10:25					6.30	0.536	.20	1.52	25.64	163.0
10:27	Finish	to	sample							

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: STAG. Area MPW-5

DATE: 7/21/10 WELL #: MPW-5 - B

TIME: 9:00 DEPTH OF PUMP: Nitrogen

WEATHER CONDITIONS: 85°F SAMPLERS: Adam Lancaster

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
9:00					7.06	0.596		0.74	24.47	90.3
9:10					6.77	0.598		0.64	24.41	87.8
9:15					6.73	0.601	0.66	0.57	24.59	85.7
9:20					6.73	0607	0.51	0.56	25.02	85.1
9:25					6.73	0.610	0.13	0.51	25.06	80.1
9:30	waiting for recharge									
10:00	Third purge		30PSI		6.30	0.611	.11	0.78	25.30	71.5
10:10					6.63	0.607		0.74	24.66	73.4
11:15					6.63	0.610		6.73	24.98	74.1
10:20					6.63	0.613	.52	0.69	24.95	74.6
10:25					6.64	0.613		0.67	24.90	75.9
10:27	Finish for		sample							

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: MPW5

DATE: 7/21/10 WELL #: MPW 5 - 5

TIME: 10:34 DEPTH OF PUMP: Nitrogen

WEATHER CONDITIONS: 89°F Cloudy SAMPLERS: Peter [illegible]

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
10:35	First Purge		80 psi		7.14	0.642	0.70	.50	24.47	73.8
10:40					6.87	0.636	0.52	.52	24.22	75.5
10:45					6.81	0.641		.50	24.35	72.2
10:50					6.80	0.643		.43	24.48	67.0
10:55					6.80	0.649		.43	24.49	62.3
11:00					6.80	0.662		.42	24.86	61.2
11:00	Waiting for recharge									
11:35					6.87	0.644		.32	24.42	74.6
					6.79	0.644		.34	24.42	75.0
13:25			80 psi		6.76	0.639	0.34	.63	24.29	81.2
13:30					6.74	0.646	0.16	.57	24.36	82.1

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: MPW5

DATE: 7/21/10 WELL #: MPW5 - 5

TIME: 13:35 DEPTH OF PUMP: nitrogen

WEATHER CONDITIONS: 85°F Cloudy Rain SAMPLERS: Pedro Sanchez

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
13:35			90 psi		6.75	0.660	0.19	0.53	24.73	82.4
13:38					6.76	0.664	0.20	0.51	24.74	82.5
13:42					6.76	0.665	0.18	0.50	24.78	82.7
13:45	Ready to sample									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

CDM
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Environmental Technician
1225 Ponce de Leon Ave.
Suite 603, San Juan, P.R.
787/7225409

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Stby Area

DATE: 7/21/10 WELL #: MW5 P6

TIME: 10:34 DEPTH OF PUMP: Platform

WEATHER CONDITIONS: 89 F, Cloudy SAMPLERS:

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
10:35	First Purge		80 PSI		6.71	0.613	1.2	0.41	25.60	156.1
10:40					6.72	0.614	1.1	0.42	25.01	157.1
10:45					6.58	0609	0.80	0.61	24.94	161.7
10:50					6.59	0.613	0.91	0.68	25.01	165.1
10:55					6.56	0.617	0.87	0.68	25.28	169.1
11:00	Waiting for Re-Charge									
11:25			60 PSI		6.63	0.612	0.97	0.65	25.18	168.5
11:40					6.64	0.613	0.90	0.65	25.17	169.3
13:25	new calibrated (1)		80 PSI		6.63	0.616	0.70	1.10	24.95	1033
13:30					6.60	0.614	0.81	0.97	24.93	115.2
13:35					6.57	0.613	0.87	0.89	25.00	118.2
13:45	Ready for Sampling									

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Stag Area

DATE: 7/24/10 WELL #: MDW5-P7

TIME: 10:34 DEPTH OF PUMP: Nitrogen

WEATHER CONDITIONS: 89°F, Cloudy SAMPLERS: [illegible]

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
10:35	First Purge		80PSI		7.26	0.639	1.3	0.41	24.79	111.5
10:40					7.25	0.637	1.4	0.42	24.78	111.7
10:45					7.13	0.638	0.80	0.29	24.82	107.6
10:50					7.11	0.635	0.91	0.24	24.91	90.9
10:55					7.11	0.634	0.85	0.18	25.10	93.7
11:00	Water									
11:35					7.20	0.651	0.90	0.27	25.02	96.7
11:40					7.18	0.652	0.91	0.26	25.03	94.3
1:25					7.17	0.654	0.92	0.64	24.88	116.9
1:30					7.12	0.653	0.90	0.41	24.96	118.5
1:35					7.10	0.654	0.91	0.39	25.00	120.3

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: MPW Stake – 6 – PS-S2

Ivan Well #2 Off - 057769 - Meter

DATE: 7/30/10

WELL #: MPW Stake – 6 – PS

TIME: 8:40

DEPTH OF PUMP: Bomba 225.00 H

WEATHER CONDITIONS: 85°F

SAMPLERS: Peter Lander

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
8:40		68.4	SETting	Flow	rate					
8:45			250	(187.0 Hz)						
9:00		68.29	300 ml	(188.0 Hz)						
9:05		68.29	300 ml	Turb. Lvl. 4.3	6.79	0.511		1.57	27.57	121.17
9:10		68.29	300	2.5	6.70	0.525		1.73	27.46	102.7
9:15		68.29	300	0.0	6.69	0.530		1.76	27.41	101.8
9:20		68.29	300	18	6.66	0.530		1.55	27.64	92.16
9:25		68.29	300	15	6.58	0.515		0.77	27.61	73.6
9:30		68.30	300	12	6.55	0.512		0.73	27.47	77.5
9:35		68.31	300	11.0	6.42	0.523		0.64	26.35	105.8
9:40		68.30	300	0.0	6.43	0-523		0.63	26.44	106.7
9:45		68.29	300	0.0	6.42	0.523		0.61	26.43	109.9

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidna G.W. Contributors

DATE: 7/30/10 **WELL #:** MPW-6

TIME: 10:30 / Sample collected **DEPTH OF PUMP:** 225' ft

WEATHER CONDITIONS: 89° F / Sunny **SAMPLERS:** J. Pryor / P. Sinclair

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
9:50		68.31	300 ml		6.42	0.522	* 0.0	0.60	26.41	110.9
10:00		68.30	300 ml		6.42	0.522	0.0	0.63	26.45	112.3
10:10		68.29	300		6.41	0.522	0.0	0.61	26.46	113.1
10:20		68.31	300		6.42	0.522	0.0	0.60	26.45	114.0
10:30	collecting		Sample	/ Flow -	250 ml					

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

R2-0007744

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra 3- S2

DATE: 7/27/10 WELL #: Cidra 3-S2

TIME: 8:55 DEPTH OF PUMP: ~~Bottom~~ 73' bgs

WEATHER CONDITIONS: 85°F SAMPLERS: Robin Gordon

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
8:55		27.8	Setting flow rate.							
9:20		26.7	~~400~~ ml.		6.36	0.654	35	1.09	24.64	-6.9
9:23					6.48	0.656	35	0.59	24.69	-25.1
9:28					6.54	0.654	34	0.39	24.63	-31.2
9:33					6.58	0.654	7.9	0.26	24.62	-36.8
9:38					6.61	0.656	7.4	0.17	24.72	-39.2
9:43					6.62	0.658	7.5	0.15	24.85	-38.7
9:46					6.63	0.658	7.7	0.34	24.84	-38.3
9:49					6.63	0.658	7.6	0.18	24.83	-39.2
9:53					6.64	0.658	7.4	0.17	24.84	-38.5
9:56					6.63	0.655	0.60	0.30	24.69	-36.7
9:59					6.62	0.656	0.00	0.33	24.78	-36.9

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra 3-52

DATE: 7/27/10 WELL #: Cidra 3-52

TIME: 10:05 DEPTH OF PUMP: Bomba

WEATHER CONDITIONS: 85°F SAMPLERS: Pedro Sanchez

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
10:05					6.63	0.657	0.00	0.33	24.87	-38.0
10:08					6.63	0.657	0.00	0.34	24.81	-38.6
10:15					6.63	0.657	0.00	0.36	24.87	-36.1
10:20					6.64	0.657	0.00	0.38	24.84	-36.5
10:25					6.64	0.656	0.00	0.38	24.77	-35.9
10:30					6.63	0.656	0.00	0.38	24.80	-35.5
10:30		Ready to sample								

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

G.W 38.16 TOC
230 Hz
152 Hz

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra 4 (Close to "Funeraria")

DATE: 7/27/10 WELL #: Cidra 4-52

TIME: 9:15 am DEPTH OF PUMP: 102' bgs

WEATHER CONDITIONS: 86°F, Cloudy SAMPLERS: [illegible]

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
9:15	Set up pump & purge water									
9:35		39.42	500 ml/min		6.34	0.448	1.52	0.94	25.02	-175.3
9:38		"	"		6.36	0.448	1.49	0.98	25.01	-175.8
9:40		"	"		6.41	0.448	1.44	1.04	25.09	-176.3
9:42		"	"		6.43	0.444	1.40	1.04	25.10	-176.8
9:45		"	"		6.44	0.448	1.38	1.04	25.08	-176.0
9:48		"	"		6.46	0.447	1.32	1.03	25.10	-176.2
9:50		"	"		6.48	0.447	1.33	0.98	25.16	-176.2
9:54		"	"		6.49	0.447	1.32	0.97	25.15	-175.9
9:55		"	"		6.48	0.447	1.30	0.98	25.10	-176.4
9:58					6.49	0.448	1.31	0.96	25.11	-176.8
10:00	Ready for Sampling				6.49	0.448	1.30	0.97	25.12	-176.7

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis. Note: Lx observed in VOA's with HCl

REV 5/01

R2-0007747

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cider - 6 - 52

DATE: 7/28/10 **WELL #:** Cider - 6 - 52

TIME: 13:35 **DEPTH OF PUMP:** Bauer (250' bgs)

WEATHER CONDITIONS: 88°F **SAMPLERS:** Peter Yardley

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
13:35		37.00	setting	flow	rate					
13:45			174.10 H		6.21	0.999	3.5	2.03	25.57	80.5
13:50					6.24	0.999	3.2	1.99	25.59	77.9
13:55					6.26	1.001	1.5	2.02	25.67	74.9
14:00					6.27	1.000	1.2	1.93	25.64	76.8
14:10					6.27	1.000	.98	1.90	25.66	77.3
14:15					6.27	1.001	0.00	1.87	25.73	77.8
14:20					6.28	1.002	0.00	1.89	25.74	78.2
14:25					6.28	1.002	0.00	1.87	25.74	78.7
14:30					6.28	1.002	0.00	1.85	25.74	79.3
14:35					6.28	1.002	0.00	1.85	25.76	79.8
14:40					6.28	1.002	0.00	1.85	25.79	79.9

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidle - 6 - 52

DATE: 4/20/10 WELL #: Cidle 6 - 52

TIME: 14:45 DEPTH OF PUMP: Bauer (250' bgs)

WEATHER CONDITIONS: 88 °F SAMPLERS: Pedro Sander

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
14:45					6.29	1.004	0.00	1.82	25.80	80.0
14:50					6.29	1.004	0.00	1.87	25.80	79.2
14:55					6.29	1.003	0.00	1.82	25.K	78.2
15:00	collecting	3700	Sample		6.29	1.003	0.00	1.82	25.K	78.1

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Cidra - 8-52

DATE: 7/28/10 **WELL #:** Cidra - 8 - 52

TIME: 10:00 **DEPTH OF PUMP:** Bomba (280 ft bls)

WEATHER CONDITIONS: 85°F **SAMPLERS:** Pedro Sanchez

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
10:00		28.60	Setting flow		Lecture					
10:15		28.70			5.82	0.422	95	4.53	25.23	56.7
10:20					5.82	0.422	17	4.14	24.24	85.4
10:25					5.82	0.422	14	3.93	25.28	98.6
10:30					5.82	0.423	7	3.71	25.32	107.8
10:40					5.82	0.423	1.1	3.68	25.32	108.5
10:50					5.82	0.423	0.00	3.66	25.32	108.7
11:00					5.82	0.423	0.00	3.65	25.31	108.9
11:10		28.70			5.82	0.423	0.00	3.63	25.31	108.9
11:30	Collecting	sample.								

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

65.9/AFTJC

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Fox Homeland well

DATE: 7/20/10 WELL #: Fox Homeland

TIME: 9:20 DEPTH OF PUMP: 218 ft.

WEATHER CONDITIONS: 85 F, Cloudy SAMPLERS: Em.

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
9:20		66.09	set up pump							
9:20		66.20	300 ml/min		6.30	0.456	1.89	1.91	26.25	130.2
9:23		66.20	"		6.35	0.456	1.88	1.90	26.26	130.1
9:25		"	"		6.36	0.455	1.93	1.17	26.21	129.1
9:27		"	"		6.34	0.456	1.74	1.67	26.20	129.9
9:30		"	"		6.34	0.455	1.72	1.86	26.21	129.5
9:33		"	"		6.33	0.456	1.71	1.84	26.15	129.1
9:35		"	"		6.33	0.454	1.70	1.93	26.19	128.6
9:38		"	"		6.32	0.454	1.20	1.82	26.17	122.9
9:40		"	"		6.33	0.451	1.00	1.20	26.20	125.4
9:44		"	"		6.33	0.452	0.98	1.40	26.35	126.4
9:49		"	"		6.33	0.452	0.89	1.49	26.34	125.4

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Tuax Abandoned Well

DATE: 7/23/10 WELL #: TW4

TIME: 9:00 DEPTH OF PUMP: 220 bgs

WEATHER CONDITIONS: 85°F, Cloudy SAMPLERS: TA

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
9:50		66.20	300ml/min		6.30	0.453	0.89	1.48	26.27	126.1
9:53		66.20	"		6.30	0.453	0.87	1.47	26.27	126.4
9:58		"	"		6.30	0.454	0.88	1.46	26.25	126.9
9:59					6.30	0.454	0.88	1.47	26.25	126.8
10:00		"	"		6.30	0.454	0.89	1.45	26.24	126.9
10:03		"	"		6.30	0.454	0.87	1.44	26.25	126.5
10:05		"	"		6.30	0.454	0.93	1.43	26.27	126.7
10:08		"	"		6.30	0.454	0.89	1.42	26.27	126.6
10:10		"	"		6.30	0.454	0.88	1.40	26.24	126.9
10:15		"	"		6.30	0.454	0.88	1.42	26.25	126.8
10:20		"	"		6.30	0.453	0.89	1.40	26.26	126.9
10:25		"	"		6.30	0.454	0.89	1.42	26.25	126.8

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

10:30 Ready for sampling

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: Imax

DATE: 7/23/10 WELL #: Imax Supply well 2

TIME: 12:47 DEPTH OF PUMP: 230, 220, 210 ft bgs

WEATHER CONDITIONS: 79 °F, Cloudy SAMPLERS: TCM

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
13:00	First Purge									
13:17					6.55	0.510	0.52	0.032	30.29	104.0
13:19					6.70	0.518	0.42	4.66	30.37	100.8
13:23					6.74	0.510	0.10	2.17	30.32	100.7
13:26					6.74	0.520	0.10	2.22	30.35	101.1
13:28					6.74	0.520	0.0	2.24	30.38	101.1
13:30					6.75	0.517	0.02	2.96	30.18	102.2
13:32					6.79	0.516	0.00	2.80	30.13	102.6
13:34					6.73	0.516	0.00	2.81	30.02	102.8
13:36					6.72	0.515	0.00	2.80	30.00	103.7
13:38					6.71	0.515	0.00	2.79	30.10	103.9
13:40					6.71	0.516	0.00	2.78	30.11	103.5

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis. Note: 13:40 ready for sampling / from supply well.

REV 5/01

Appendix F-4 – Stage 2a Groundwater Sampling Sheets

SITE NAME Cidra GW Site
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

Pump A.: 150.60 Hz
Voc = 0.3 ppm

DATE: 6/1/12
WELL #: SGW-4
SAMPLERS: Luis Lugo / Frances Delano
DEPTH OF PUMP INTAKE: 53 ft TIC or ft BGS (circle one)
WEATHER CONDITIONS: 94°F, overcast
SCREENED/OPEN BOREHOLE INTERVAL: 48 - 58 ft TIC or ft BGS (circle one)
SAMPLE ID:
CLP ID:
SAMPLE TIME: 13:00 SAMPLE FLOW RATE: 225 ml/minute

Instrument Type/Model: Complete and/or Circle at right
YSI Model # 556 MPS / Horiba U-22 (circle one)
Other (specify)
Instrument:

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft BGS (circle one) Units: ft bgs or	Units: ml/min.	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
11:20 am		41.86								
11:31		42.85	375	.01	-9.99*	0.728	2.51	27.86	1526.1	207
11:36		42.81	"	.04	-9.99	0.724	2.03	28.04	1526.4	177
11:46		42.79	"	.02	-9.99	0.666	1.67	22.36	1507.1	109.2
11:51		42.53	"	.26	6.23	0.658	1.53	28.70	157.0	84.6
11:56		42.49	"	.04	6.24	0.694	1.49	28.64	140.2	62.2
12:01		42.48	"	.01	6.23	0.688	1.39	28.92	130.7	45.8
12:06		42.47	"	.01	6.23	0.685	1.34	29.14	127.9	39.8
12:11	5.0 gl.	42.47	"		6.20	0.672	1.36	28.91	123.5	34.6
12:16		42.47	300		6.17	0.664	1.30	28.96	124.5	30.7

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The w is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm
TIC = Top of Inner Casing BGS = Below Ground Surface

* calibration was verified and YSI reading were 6.98 and 9.09 for the calib. liquids

SITE NAME Cidra GW site
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 6/1/12 WELL #: SMW-4

SAMPLERS: Luis Lugo / Frances Delano DEPTH OF PUMP INTAKE: 53 ft TIC or ft BGS (circle one)

WEATHER CONDITIONS: 97°F, Sunny SCREENED/OPEN BOREHOLE INTERVAL: 48 – 58 ft TIC or ft BGS (circle one)

SAMPLE ID: SAMPLE TIME: 13:00 SAMPLE FLOW RATE: 225 ml/minute
CLP ID:

Instrument Type/Model: Complete and/or Circle at right YSI Model # 556 MPS / Horiba U-22 (circle one) Other (specify)_____ Instrument:

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft BGS (circle one) Units: ft bgs or	Units: ml/min	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm / or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
12:21		42.47	300		6.18	0.664	1.23	29.23	122.4	25.9
12:26		42.45	"	.02	6.18	0.666	1.16	29.56	122.1	25.6
12:31		42.44	"	.01	6.16	0.664	1.16	29.50	120.8	21.8
12:36		42.41	"	.03	6.16	0.661	1.25	29.54	120.8	20.8
12:41		42.40	250	.01	6.16	0.661	1.11	29.86	119.4	19.4
12:46		42.35	"	.05	6.16	0.661	1.05	30.02	118.0	17.3
12:51		42.37	"	.02	6.16	0.661	1.03	30.03	117.8	17.0
12:56	7 gallons	42.36	"	.02	6.16	0.661	1.01	30.03	117.2	17.9
——→ sample collected @ 13:00 w/ MS/MSD										

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The w is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm
TIC = Top of Inner Casing BGS = Below Ground Surface

Pump Rate = 137.6 Hz
Voc = 0.0
Sampling Time = 1025
Samp. Flow Rate = 200 ml/min

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: CIDRA GROUNDWATER SITE

DATE: 6/8/12

WELL #: SMW-6 6/8/12

TIME: 0855

DEPTH OF PUMP: 45 ft (TIC)

WEATHER CONDITIONS: 90°F/Partly Cloudy

SAMPLERS: Luis Lugo

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
		31.98	w/Pump		~~7.5~~ 7.1 6/8/12				~~26.37~~ 6/8/12	
09:05		36.67	400		7.06	0.489	35.2	0.62	26.37	-20.1
09:10	5.0 gl	36.69	"	+.02	7.06	0.490	32.6	0.60	26.68	-19.8
09:15		36.54	"	-.15	7.04	0.491	35.7	0.57	26.91	-19.2
09:20		36.51	"	-.02	7.02	0.491	35.5	0.54	27.02	-14.9
09:25		36.50	"	-.01	7.00	0.490	33.7	0.52	27.11	-21.8
09:30		36.52	"	+.02	6.99	0.490	31.5	0.53	27.12	-20.6
09:35		36.53	"	+0.1	6.96	0.488	25.7	0.52	27.13	-22.1
0940		36.48	"	-.05	6.94	0.488	22.2	0.50	27.19	-33.1
0945		36.54	"	+.06	6.90	0.487	17.6	0.50	27.26	-19.0
0950		36.53	"	-.01	6.89	0.486	16.6	0.47	27.30	-15.3
0955	10.0 gl.	36.55	"	-.02	6.88	0.485	14.8	0.47	27.31	-19.7

rawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five inutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in arenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: CIDRA GROUNDWATER SITE

ATE: 6/5/12 **WELL #:** SMW-6

IME: 0855 **DEPTH OF PUMP:** 45ft (TIC)

/EATHER CONDITIONS: 90°F / Partly Cloudy **SAMPLERS:** Luis Lugo

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
1000		36.60	400	-.05	6.86	0.485	13.70	0.46	27.39	-12.7
1005		36.61	"	-.01	6.85	0.483	12.70	0.46	27.34	-12.2
1010		36.65	"	+.04	6.84	0.483	10.71	0.44	27.39	-9.8
1015		36.64	"	~~+.04~~ -.01	6.83	0.482	9.80	0.44	27.40	-8.1
1020		36.66	"	+.02	6.82	0.480	9.06	0.44	27.56	-10.5
1025	13 gals	36.68	"	+.02	6.80	0.477	8.72	0.43	27.49	-9.3
→	sample	collected @ 200	ml/min	— sample	time 10:25					

rawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five inutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in arenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

WL = 32.49 ft (TIC)

SITE NAME: CIDRA GROUNDWATER SITE

YSI – 08A100825

ATE: 6/4/2012 WELL #: JMW – 7

IME: 10:00 cm DEPTH OF PUMP: 47 (bgs)

VEATHER CONDITIONS: 96°F, sunny SAMPLERS: Abner Hernandez + Frances Delano

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE mL/min	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
1006										
6/05/2012 0823	~~33.~~ A.H	33.45	0 ~~4.5 gal/min~~ A.H							
0830	5 gal	34.7	~~455~~ 450	-0.25	7.01	0.519	25.7	367.7	26.29	74.9
08:35		34.2	450	A.H ~~34~~ +0.5	6.98	0.518	26.1	365.82	26.37	79.4
0840		34.1	450	+0.10	6.95	0.520	23.2	362.30	26.48	80.2
0845		34.090	450	-0.01 ~~+0.01~~ A.H	6.92	0.516	17.9	361.53	26.55	79.9
0850		34.00	450	-0.09	6.88	0.514	14.9	359.72	26.59	78.1
0855		33.90	450	-0.10	6.86	0.515	12.2	362.01	26.50	77.4
0900		33.83	450	-0.07	6.85	0.513	9.58	360.89	26.55	75.5
0905	5 gal	33.80	400	-0.03	6.85	0.511	8.60	360.58	26.57	73.6
0910		33.70	400	-0.10	6.85	0.513	6.51	358.65	26.65	71.5
0915		33.61	400	-0.09	6.84	0.513	5.48	356.14	26.75	70.8

rawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five inutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in ırenthesis.

REV 5/01

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: CIDRA GROUNDWATER SITE

YSI -08A100825

ATE: 6/5/2012

IME: 09:20

VEATHER CONDITIONS: 96°F, sunny

WELL #: SMW -7

DEPTH OF PUMP: 47 (bgs)

SAMPLERS: Abner Hernandez + Frances Delano

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
0920		33.51	400	-0.10	6.84	0.513	4.99	354.64	26.82	69.9
0925		33.45	400	-0.06	6.85	0.513	4.25	353.49	26.87	68.8
0930		33.40	400	-0.05	6.85	0.513	4.00	353.22	26.87	70.2
→ sample collected @ 09:30 at 225 mL/min.										

rawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five inutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in ırenthesis.

REV 5/01

Pump Rate: 123.70 Hz

VOC's: 1.0 ppm

LOW FLOW GROUNDWATER SAMPLING

SITE NAME: CIDRA GROUNDWATER SITE

DATE: 6/5/2012 WELL #: SMW-8

TIME: 11:18 DEPTH OF PUMP: 50 ft (bgs)

WEATHER CONDITIONS: 97°F, sunny SAMPLERS: Luis Lugo + Abner Hernandez

ELAPSED TIME (MIN)	VOLUME PURGED (GALS)	DEPTH TO WATER (FT TIC)	FLOW RATE ml/min	DRAWDOWN FEET (+/- 0.3 FT)	ph (+/- 0.1 SU)	SPECIFIC COND. mS/cm (+/- 3%)	TURBIDITY NTUs (+/- 10%)	DISSOLVED OXYGEN mg/L (+/- 10%)	TEMP °C (+/- 10%)	REDOX POTENTIAL mV (+/- 10 mv)
11:19 ~~cum feet~~		26.79	w/o pump							
11:37		26.81	w/pump							
11:45		27.60	400	~~+0.21~~ -0.21 ~~+0.3+~~	6.82	0.721	9.05	0.22	27.31	-62.9
1150		27.39	400	-0.21	6.81	0.726	8.69	0.27	27.71	-70.6
1155		27.34	400	-0.05	6.78	0.729	9.19	0.25	27.97	-79.1
1200		27.59	400	-0.25	6.76	0.727	9.53	0.23	28.11	-82.7
1205		27.51	400	-0.08	6.75	0.726	10.07	0.24	28.20	-86.3
1210		27.42	400	-0.09	6.74	0.726	10.27	0.23	28.19	-88.8
1215	5 gal	27.39	~~400~~	-0.03	6.73	0.727	9.95	0.22	28.39	-90.4
1220		27.31	~~400~~ 275 A.H	-0.08	6.73	0.727	9.70	0.23	28.54	-91.6
1225		27.25	~~400~~ 275 A.H	-0.06	6.73	0.728	9.69	0.22	28.65	-91.1
1230		27.22	~~400~~ 275 A.H	-0.03	6.73	0.725	9.43	0.21	28.72	-91.5

Drawdown is not to exceed 0.3 of a foot. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The well is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

REV 5/01

SITE NAME Cidra Groundwater Site
LOW FLOW GROUNDWATER SAMPLING PURGE RECORD

DATE: 6/5/2012 WELL #: SMW-8

SAMPLERS: Luis Lugo + Abner Hernández DEPTH OF PUMP INTAKE: 50 ft TIC or ft (BGS) (circle one)

WEATHER CONDITIONS: 97°F, Sunny SCREENED/OPEN BOREHOLE INTERVAL: ft TIC or ft BGS (circle one)

SAMPLE ID: SAMPLE TIME: 1305 SAMPLE FLOW RATE: 225 ml/minute
CLP ID:

Instrument Type/Model: YSI Model #_____ / Horiba U-22 (circle one) Instrument:
Complete and/or Circle at right Other (specify)_____

CURRENT TIME	VOLUME PURGED	DEPTH TO WATER	FLOW RATE	DRAWDOWN (± 0.3 FT)	pH (± 0.1 SU)	SPECIFIC CONDUCTIVITY (± 3%)	DISSOLVED OXYGEN (± 10%)	TEMP. (± 10%)	REDOX POTENTIAL (± 10 mV)	TURBIDITY (± 10%)
24-Hour	gallons / liters (circle one)	ft TIC / ft BGS (circle one) Units: ft bgs or	Units: mL/min	ft TIC / ft BGS (circle one)	SU	S/cm, mS/cm / or µS/cm (circle one)	mg/L (not %)	Units: °C	mV	NTUs
1235		27.15	~~400~~ AH.	-0.07	6.73	0.727	0.22	28.93	-92.3	8.80
1240		27.19	275	AH. -0.04	6.73	0.725	0.23	29.03	-99.5	8.82
1245		27.25	275	AH. -0.06	6.73	0.726	0.23	29.71	-96.4	8.86
1250		27.25	~~285~~ 275	0.0	6.72	0.720	0.21	29.03	-97.9	8.27
1255		27.25	275	0.0	6.72	0.720	0.21	28.98	-97.8	7.91
1300		27.27	275	-0.02	6.71	07.20	0.20	29.10	-96.5	8.10
1305	9 gals	27.28	275	-0.01	6.70	0.721	0.19	29.11	-100.3	7.47
Sample collected @ 225 ml/min SMW-28 collected @ 1305 (Duplicate sample)										

Drawdown is not to exceed 0.3 feet. Flow rate should not exceed 500 ml/min during purging or 250 ml/min during sampling. Readings should be taken every three to five minutes. The w
is considered stabilized and ready for sampling when the indicator parameters have stabilized for three consecutive readings by the measurements indicated in parenthesis.

Typical values: DO = 0.3 - 10 mg/L Redox Potential = -100 - +600 mV Turbidity = 0 - >500 NTUs
Spec. Conductivity (µS/cm) = 0.01 - 5,000; up to 10,000 in industrial, ~55,000 in high salt content water. Note: 1,000 µS/cm = 1 mS/cm
TIC = Top of Inner Casing BGS = Below Ground Surface

Appendix G
Fracture Analysis

OTV Fracture Stereonets
Cidra Groundwater Contamination Site
Remedial Investigation/Feasibility Study
Cidra, Puerto Rico

CDM obtained the orientation and depth of features observed in the optical televiewer (OTV) and acoustic televiewer (ATV) logs of six wells drilled at the Cidra site. This data was collected for CDM by Earth Data and is presented in their report *Borehole Geophysical Logging Report, March 26-April 5, 2008* (F50521R.Report.doc). For purposes of this discussion the features observed in the boreholes are assumed to be fractures. Using this data we created stereonets for each well. Rockworks software was used to project the data on a Schmidt net (equal area). In these stereonets the planes are represented as poles. For example, if a fracture dips to the southeast the plane, representing the fracture, dips to the southeast and the pole to the plane is projected to the northwest quadrant on the stereonet. The closer the pole is the center or the stereonet the less the dip of the plane. In this example, the strike of that plane would be to the northeast. We prepared the stereonets to determine fracture orientation, density, and distribution. Attached is a figure showing all the fracture density stereonets together, individual stereonets for each location, and the fracture depth and orientation data.

In monitoring wells MW-1 through MW-5 an orthogonal fracture set was observed dipping to the northwest and southeast and striking to the northeast (see composite figure). This pattern occurs most frequently in monitoring well MPW-2 and least frequently in monitoring well MPW-4. A secondary fracture set dipping to the northeast with a strike to the northwest was also observed in this group of well. This pattern occurs most frequently in monitoring well MPW-4 and least frequently in monitoring well MPW-3.

In contrast, in monitoring well MPW-6 an orthogonal fracture set was observed dipping to the northeast and southwest with a strike to the northwest. Monitoring well MPW-6 also has a secondary orthogonal fracture set dipping to the northwest and southeast with a strike to the northeast (see composite figure).

Below is a table of fracture data sorted by total depth for each well location. This information was used to determine if there was a relationship between the depth of the boring and the number of fractures.

Location	Total Depth (feet)	Fracture Rate per Foot	Major Open Fractures[1]	Minor Open Fractures	Partially Open Fractures	Filled Fractures	Total Number of Fractures
MPW-3	211.8	0.15	11 (Dipping SE & NW)	0	8 (Dipping SE)	12 (Dipping SE)	31
MPW-4	212.8	0.10	5[2]*	5 (Dipping NW &	5*	7*	22

[1] The terms major, minor, partially filled, and filled fractures were defined by Earth Data based on interpretation of the acoustic televiewer and optical televiewer logs

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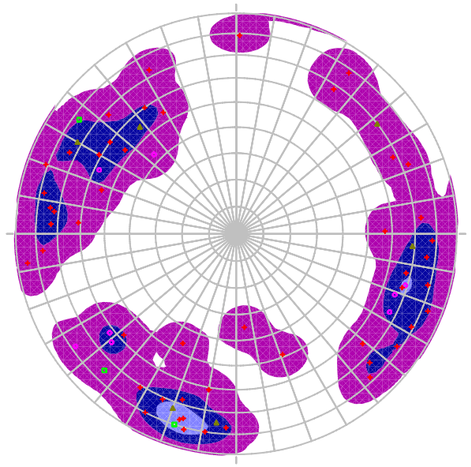
OTV Fracture Stereonets
Cidra Groundwater Contamination Site
Remedial Investigation/Feasibility Study
Cidra, Puerto Rico

Location	Total Depth (feet)	Fracture Rate per Foot	Major Open Fractures[1]	Minor Open Fractures	Partially Open Fractures	Filled Fractures	Total Number of Fractures
				NE)			
MPW-2	222.9	0.12	0	4 (Dipping NW)	13*	9 (Dipping NW)	26
MPW-5	273.5	0.07	2 (Dipping NE & NW)	2 (Dipping SE)	4*	11*	19
MPW-6	316.3	0.15	5*	5 (Dipping SW)	7*	30*	47
MPW-1	321.9	0.21	3*	8*	6*	49*	66

The number of fractures in each well ranges from 19 to 66 while well depths range from 211.8 to 321.9 feet. Fracture rates per foot ranged from 0.07 to 0.21. Therefore, there does not appear to be a relationship between well depth and the number of fractures. If the number of fractures observed was simply a function of depth then the number of fractures per foot would be similar between all boreholes. For example, monitoring well MPW-1 is the deepest borehole at 321.9 feet deep and has the most fractures, 66, of any well. In contrast, monitoring well MPW-5 has only 19 fractures but is only 50 feet shallower than monitoring well MPW-1 at 273.5 feet deep.

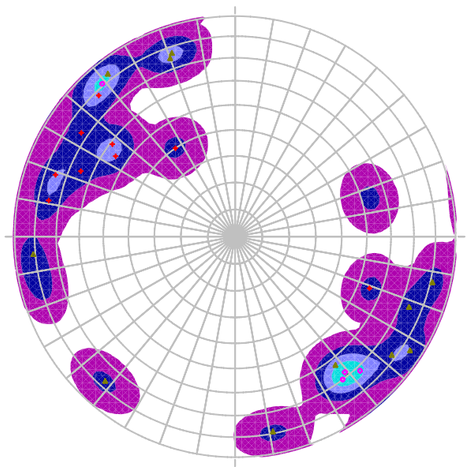
[2] * Fracture orientations are uniformly distributed.

MPW-1



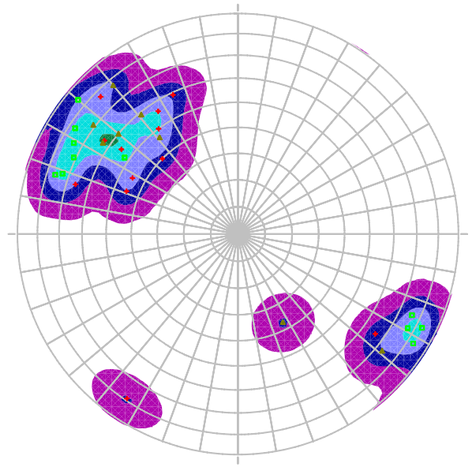
Number of Fractures: 66

MPW-2



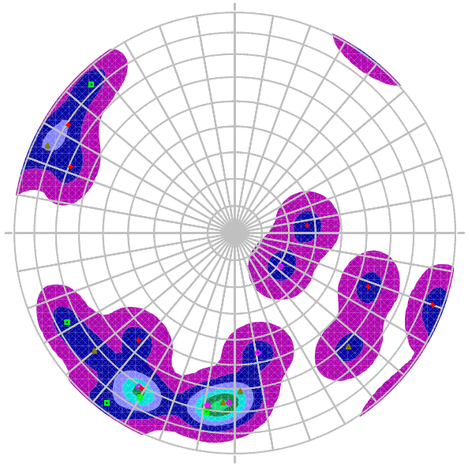
Number of Fractures: 26

MPW-3



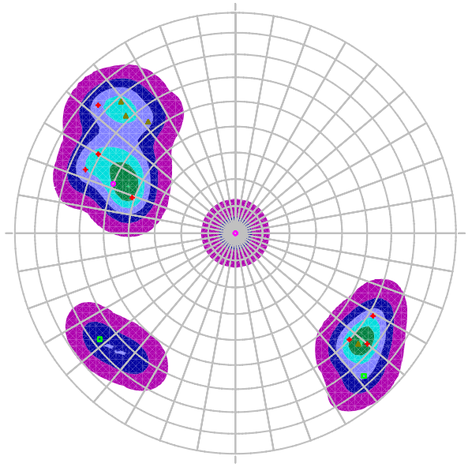
Number of Fractures: 31

MPW-4



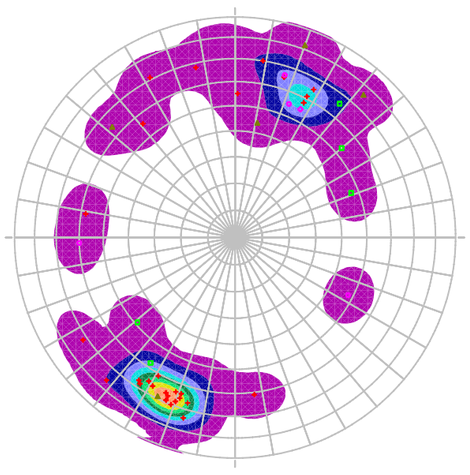
Number of Fractures: 22

MPW-5



Number of Fractures: 19

MPW-6



Number of Fractures: 47

Fracture Density

- 24.0 - 27.0
- 21.0 - 24.0
- 18.0 - 21.0
- 15.0 - 18.0
- 12.0 - 15.0
- 9.0 - 12.0
- 6.0 - 9.0
- 3.0 - 6.0
- 0.0 - 3.0

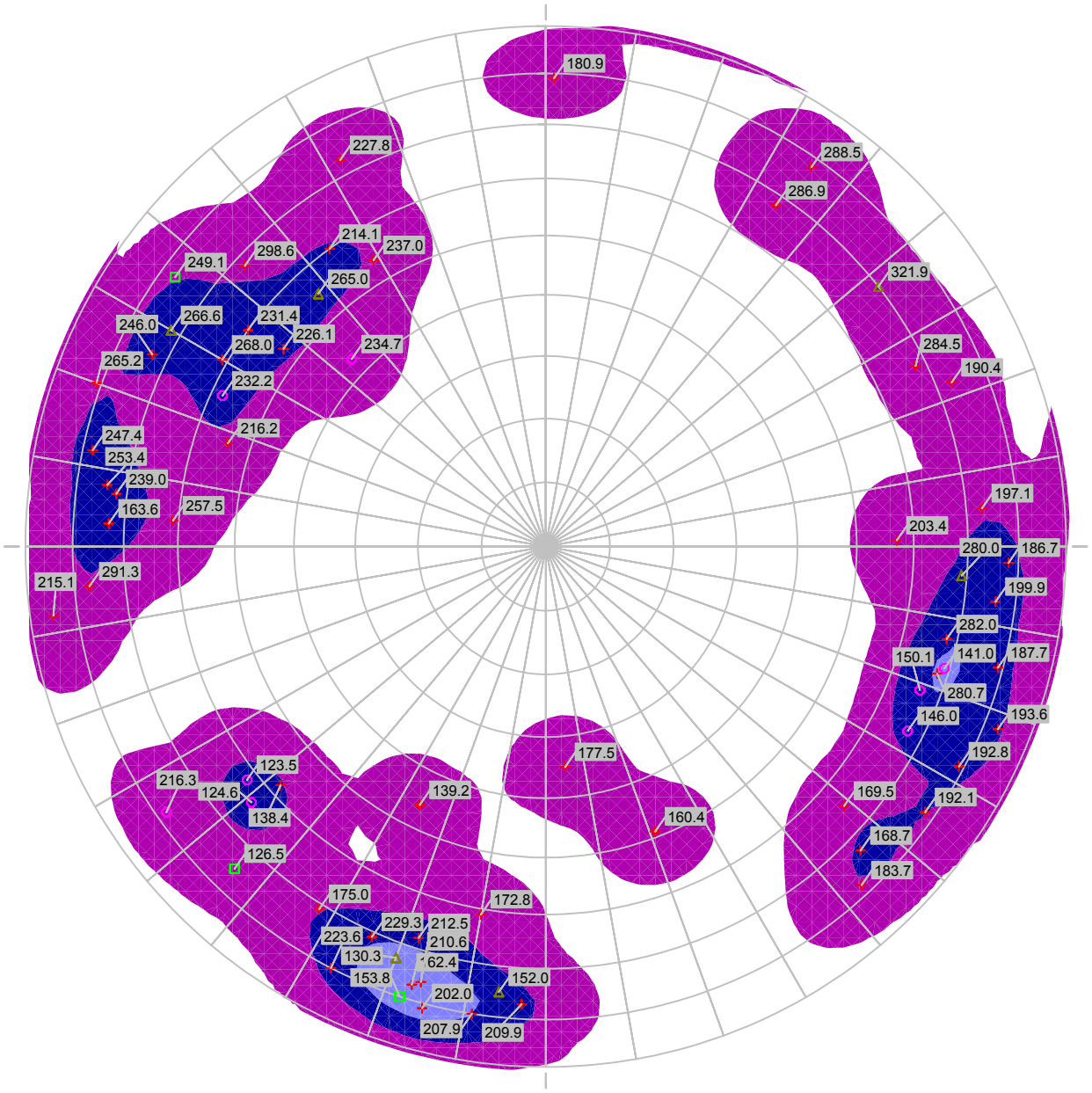
CDM Smith

DRAFT

Figure 1
OTV Fracture Stereonets
Cidra Groundwater Contamination Site
Remedial Investigation/Feasibility Study
Cidra, Puerto Rico

R2-0007766

MPW-1 OTV Fracture Stereonet Word Draft



Fracture Density

- 24.0 - 27.0
- 21.0 - 24.0
- 18.0 - 21.0
- 15.0 - 18.0
- 12.0 - 15.0
- 9.0 - 12.0
- 6.0 - 9.0
- 3.0 - 6.0
- 0.0 - 3.0

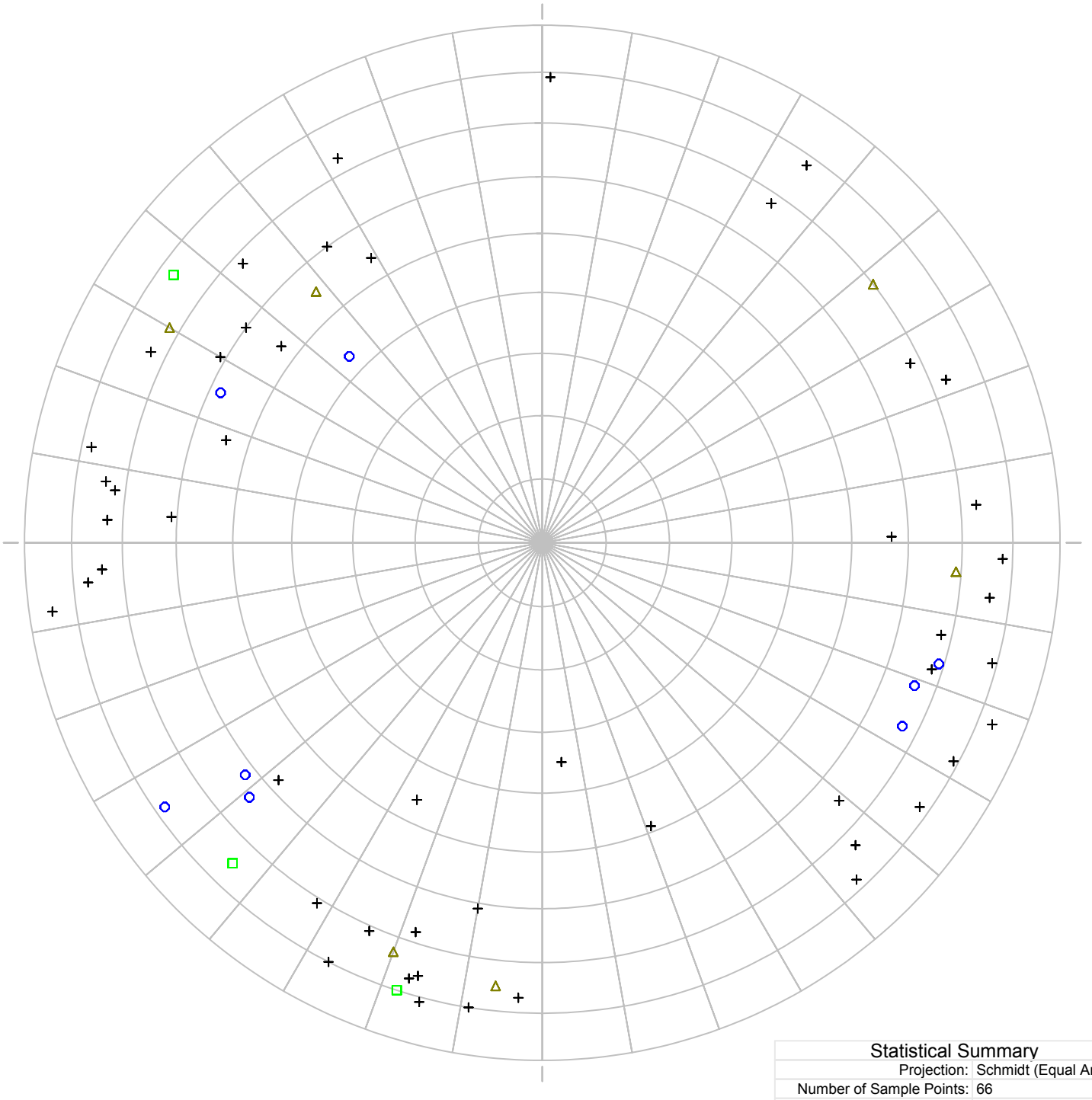
Fracture/Joint Types

- Major Open Fracture/Joint
- Minor Open Fracture/Joint
- Partially Open Fracture/Joint
- Filled Fracture/Joint

Statistical Summary	
Projection:	Schmidt (Equal Area)
Number of Sample Points:	66
Mean Lineation Azimuth:	282.6
Mean Lineation Plunge:	5.3
Great Circle Azimuth:	126.8
Great Circle Plunge:	12.8
1st Eigenvalue:	0.505
2nd Eigenvalue:	0.359
3rd Eigenvalue:	0.135
LN (E1 / E2):	0.341
LN (E2 / E3):	0.977
(LN(E1/E2)] / (LN(E2/E3)):	0.349
Spherical Variance:	0.6098
Rbar:	0.3902

R2-0007767

MPW-1 OTV Fracture Stereonet Word Draft



Statistical Summary	
Projection:	Schmidt (Equal Area)
Number of Sample Points:	66
Mean Lineation Azimuth:	282.6
Mean Lineation Plunge:	5.3
Great Circle Azimuth:	126.8
Great Circle Plunge:	12.8
1st Eigenvalue:	0.505
2nd Eigenvalue:	0.359
3rd Eigenvalue:	0.135
LN (E1 / E2):	0.341
LN (E2 / E3):	0.977
(LN(E1/E2)] / (LN(E2/E3)):	0.349
Spherical Variance:	0.6098
Rbar:	0.3902

Fracture/Joint Types

- Major Open Fracture/Joint
- Minor Open Fracture/Joint
- Partially Open Fracture/Joint
- Filled Fracture/Joint

R2-0007768

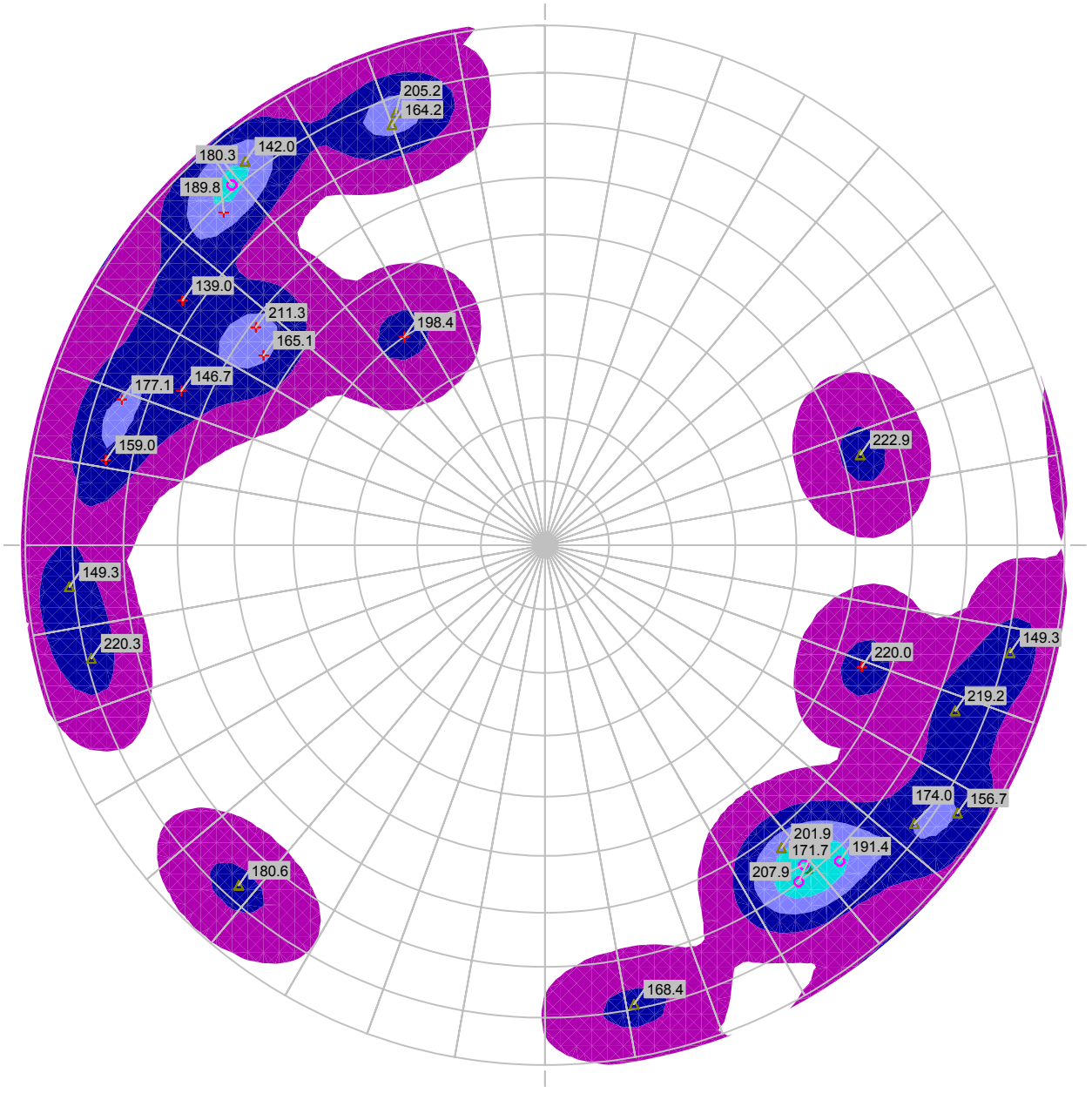
Depth	Strike	Dip	DipAzmuth	Comments	Symbol
123.5	322	62	52	Minor Open Joint / Fracture	1
124.6	319	64	49	Minor Open Joint / Fracture	1
126.5	314	75	43	Major Open Joint / Fracture	2
130.3	290	73	20	Partially Open Joint / Fracture	3
138.4	318	58	48	Filled Fracture / Joint	4
139.2	296	46	26	Filled Fracture / Joint	4
141	197	69	287	Minor Open Joint / Fracture	1
146	207	67	297	Minor Open Joint / Fracture	1
150.1	201	66	291	Minor Open Joint / Fracture	1
152	276	75	6	Partially Open Joint / Fracture	3
153.8	288	80	18	Major Open Joint / Fracture	2
160.4	249	49	339	Filled Fracture / Joint	4
162.4	287	77	17	Filled Fracture / Joint	4
163.6	3	73	93	Filled Fracture / Joint	4
168.7	224	73	314	Filled Fracture / Joint	4
169.5	221	65	311	Filled Fracture / Joint	4
172.8	280	61	10	Filled Fracture / Joint	4
175	302	71	32	Filled Fracture / Joint	4
177.5	265	35	355	Filled Fracture / Joint	4
180.9	91	79	181	Filled Fracture / Joint	4
183.7	227	78	317	Filled Fracture / Joint	4
186.7	182	78	272	Filled Fracture / Joint	4
187.7	195	79	285	Filled Fracture / Joint	4
190.4	158	73	248	Filled Fracture / Joint	4
192.1	215	78	305	Filled Fracture / Joint	4
192.8	208	79	298	Filled Fracture / Joint	4
193.6	202	83	292	Filled Fracture / Joint	4
197.1	175	73	265	Filled Fracture / Joint	4
199.9	187	76	277	Filled Fracture / Joint	4
202	285	81	15	Filled Fracture / Joint	4
203.4	179	57	269	Filled Fracture / Joint	4
207.9	279	80	9	Filled Fracture / Joint	4
209.9	273	77	3	Filled Fracture / Joint	4
210.6	286	76	16	Filled Fracture / Joint	4
212.5	288	68	18	Filled Fracture / Joint	4
214.1	54	60	144	Filled Fracture / Joint	4
215.1	352	85	82	Filled Fracture / Joint	4
216.2	18	54	108	Filled Fracture / Joint	4
216.3	325	78	55	Minor Open Joint / Fracture	1
223.6	297	80	27	Filled Fracture / Joint	4
226.1	37	53	127	Filled Fracture / Joint	4
227.8	62	73	152	Filled Fracture / Joint	4
229.3	294	71	24	Filled Fracture / Joint	4
231.4	36	60	126	Filled Fracture / Joint	4
232.2	25	58	115	Minor Open Joint / Fracture	1
234.7	44	43	134	Minor Open Joint / Fracture	1
237	59	54	149	Filled Fracture / Joint	4
239	7	72	97	Filled Fracture / Joint	4
246	26	73	116	Filled Fracture / Joint	4
247.4	12	78	102	Filled Fracture / Joint	4
249.1	36	77	126	Major Open Joint / Fracture	2

Depth	Strike	Dip	DipAzmuth	Comments	Symbol
253.4	8	74	98	Filled Fracture / Joint	4
257.5	4	61	94	Filled Fracture / Joint	4
265	48	55	138	Partially Open Joint / Fracture	3
265.2	20	81	110	Filled Fracture / Joint	4
266.6	30	72	120	Partially Open Joint / Fracture	3
268	30	61	120	Filled Fracture / Joint	4
280	184	69	274	Partially Open Joint / Fracture	3
280.7	198	68	288	Filled Fracture / Joint	4
282	193	68	283	Filled Fracture / Joint	4
284.5	154	68	244	Filled Fracture / Joint	4
286.9	124	68	214	Filled Fracture / Joint	4
288.5	125	78	215	Filled Fracture / Joint	4
291.3	355	77	85	Filled Fracture / Joint	4
298.6	43	68	133	Filled Fracture / Joint	4
321.9	142	70	232	Partially Open Joint / Fracture	3

Depth is in feet below ground surface

Strike and DipAzmuth are relative to true north

MPW-2 OTV Fracture Stereonet Word Draft



Fracture Density

- 24.0 - 27.0
- 21.0 - 24.0
- 18.0 - 21.0
- 15.0 - 18.0
- 12.0 - 15.0
- 9.0 - 12.0
- 6.0 - 9.0
- 3.0 - 6.0
- 0.0 - 3.0

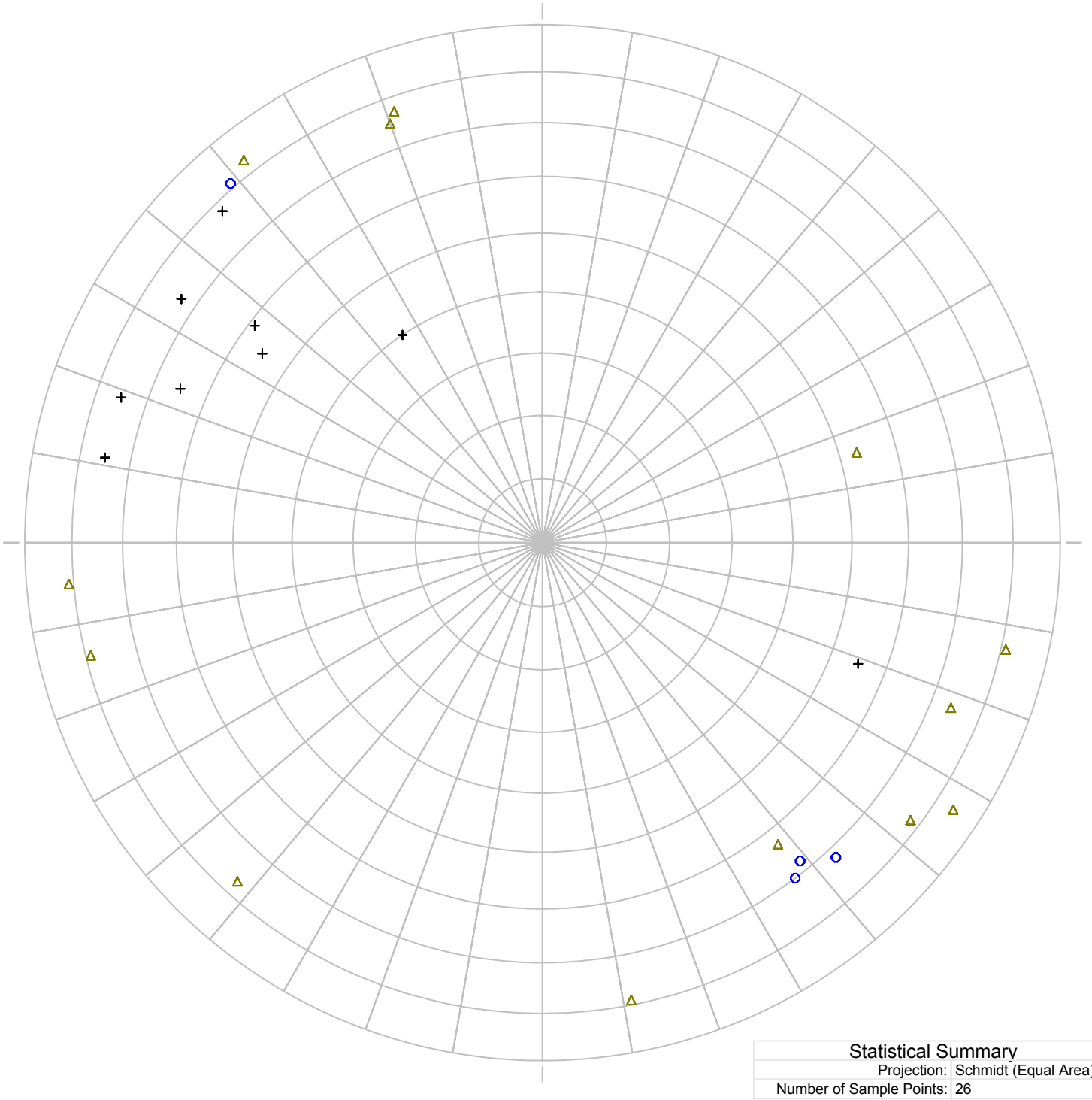
Fracture/Joint Types

- Major Open Fracture/Joint
- Minor Open Fracture/Joint
- Partially Open Fracture/Joint
- Filled Fracture/Joint

Statistical Summary	
Projection:	Schmidt (Equal Area)
Number of Sample Points:	26
Mean Lineation Azimuth:	305.9
Mean Lineation Plunge:	2.6
Great Circle Azimuth:	164.6
Great Circle Plunge:	4.2
1st Eigenvalue:	0.706
2nd Eigenvalue:	0.167
3rd Eigenvalue:	0.127
LN (E1 / E2):	1.441
LN (E2 / E3):	0.278
(LN(E1/E2)] / (LN(E2/E3)):	5.191
Spherical Variance:	0.6654
Rbar:	0.3346

R2-0007771

MPW-2 OTV Fracture Stereonet Word Draft



Statistical Summary	
Projection:	Schmidt (Equal Area)
Number of Sample Points:	26
Mean Lineation Azimuth:	305.9
Mean Lineation Plunge:	2.6
Great Circle Azimuth:	164.6
Great Circle Plunge:	4.2
1st Eigenvalue:	0.706
2nd Eigenvalue:	0.167
3rd Eigenvalue:	0.127
LN (E1 / E2):	1.441
LN (E2 / E3):	0.278
(LN(E1/E2)] / (LN(E2/E3)):	5.191
Spherical Variance:	0.6654
Rbar:	0.3346

Fracture/Joint Types

- Major Open Fracture/Joint
- Minor Open Fracture/Joint
- Partially Open Fracture/Joint
- Filled Fracture/Joint

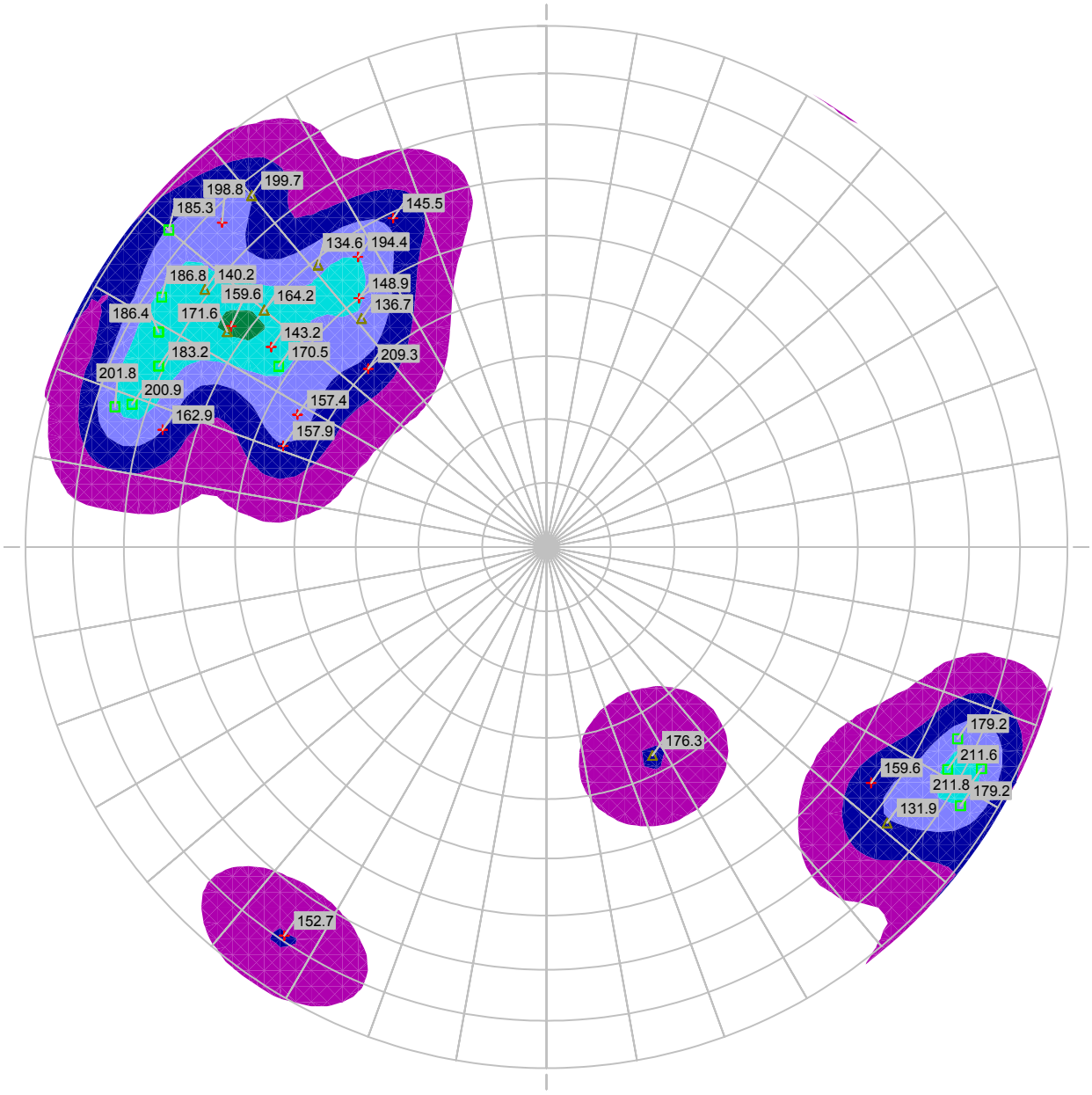
R2-0007772

Depth	Strike	Dip	DipAzmuth	Comments	Symbol
171.7	233	70	323	Minor Open Joint / Fracture	1
180.3	49	81	139	Minor Open Joint / Fracture	1
191.4	227	72	317	Minor Open Joint / Fracture	1
207.9	231	68	321	Minor Open Joint / Fracture	1
142	52	83	142	Partially Open Joint / Fracture	3
149.3	193	81	283	Partially Open Joint / Fracture	3
149.3	355	81	85	Partially Open Joint / Fracture	3
156.7	213	84	303	Partially Open Joint / Fracture	3
164.2	70	75	160	Partially Open Joint / Fracture	3
168.4	259	79	349	Partially Open Joint / Fracture	3
174	217	78	307	Partially Open Joint / Fracture	3
180.6	312	77	42	Partially Open Joint / Fracture	3
201.9	232	63	322	Partially Open Joint / Fracture	3
205.2	71	77	161	Partially Open Joint / Fracture	3
219.2	202	74	292	Partially Open Joint / Fracture	3
220.3	346	79	76	Partially Open Joint / Fracture	3
222.9	164	53	254	Partially Open Joint / Fracture	3
139	34	73	124	Filled Fracture / Joint	4
146.7	23	65	113	Filled Fracture / Joint	4
159	11	75	101	Filled Fracture / Joint	4
165.1	34	55	124	Filled Fracture / Joint	4
177.1	19	75	109	Filled Fracture / Joint	4
189.8	46	78	136	Filled Fracture / Joint	4
198.4	56	40	146	Filled Fracture / Joint	4
211.3	37	59	127	Filled Fracture / Joint	4
220	201	55	290	Filled Fracture / Joint	4

Depth is in feet below ground surface

Strike and DipAzmuth are relative to true north

MPW-3 OTV Fracture Stereonet Word Draft



Fracture Density

- 24.0 - 27.0
- 21.0 - 24.0
- 18.0 - 21.0
- 15.0 - 18.0
- 12.0 - 15.0
- 9.0 - 12.0
- 6.0 - 9.0
- 3.0 - 6.0
- 0.0 - 3.0

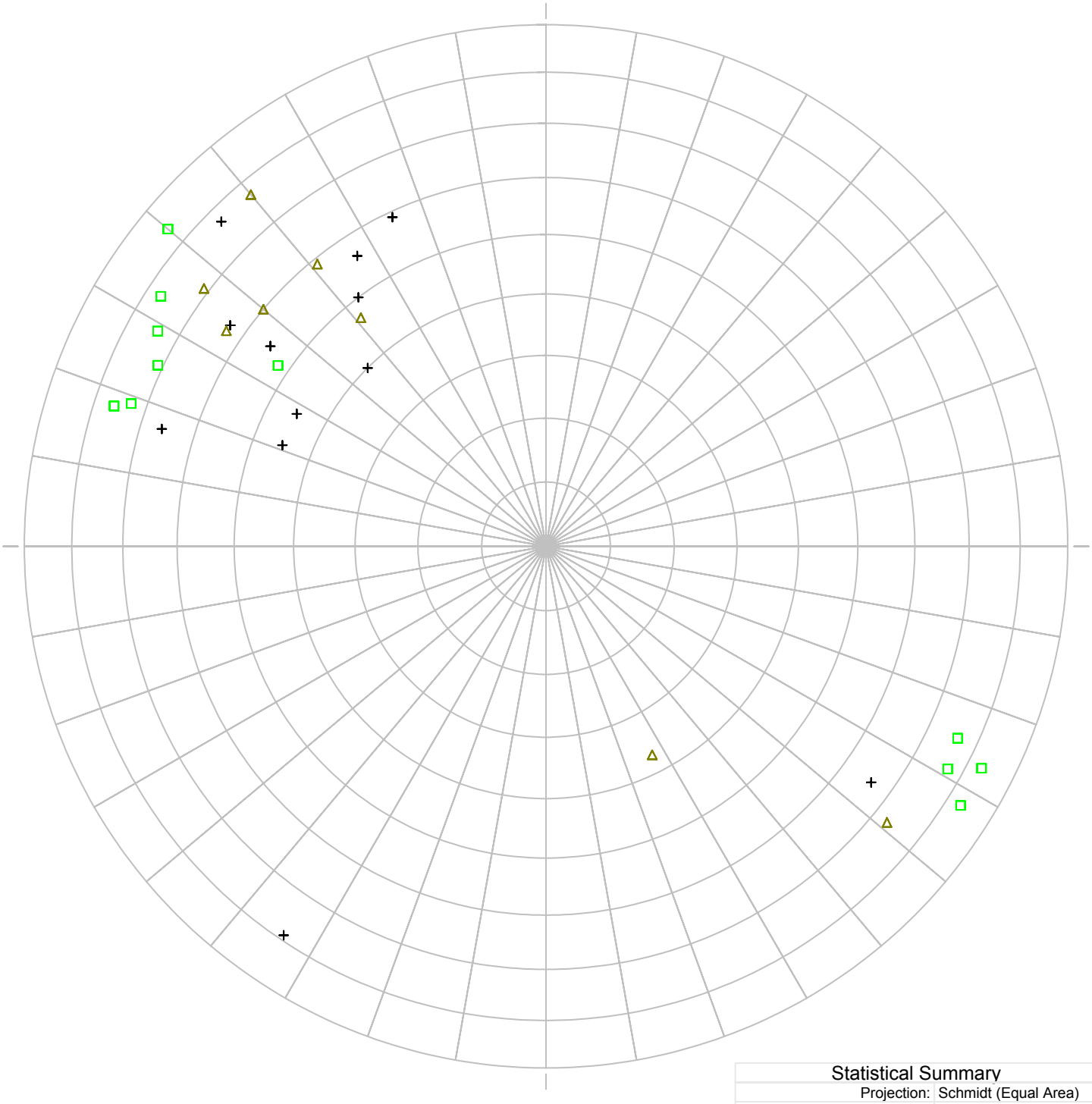
Fracture/Joint Types

- Major Open Fracture/Joint
- Minor Open Fracture/Joint
- Partially Open Fracture/Joint
- Filled Fracture/Joint

Statistical Summary	
Projection:	Schmidt (Equal Area)
Number of Sample Points:	31
Mean Lineation Azimuth:	305.8
Mean Lineation Plunge:	19.6
Great Circle Azimuth:	305.3
Great Circle Plunge:	88.6
1st Eigenvalue:	0.802
2nd Eigenvalue:	0.134
3rd Eigenvalue:	0.063
LN (E1 / E2):	1.787
LN (E2 / E3):	0.754
(LN(E1/E2)] / (LN(E2/E3)):	2.371
Spherical Variance:	0.4098
Rbar:	0.5902

R2-0007774

MPW-3 OTV Fracture Stereonet Word Draft



Statistical Summary	
Projection:	Schmidt (Equal Area)
Number of Sample Points:	31
Mean Lineation Azimuth:	305.8
Mean Lineation Plunge:	19.6
Great Circle Azimuth:	305.3
Great Circle Plunge:	88.6
1st Eigenvalue:	0.802
2nd Eigenvalue:	0.134
3rd Eigenvalue:	0.063
LN (E1 / E2):	1.787
LN (E2 / E3):	0.754
(LN(E1/E2)] / (LN(E2/E3)):	2.371
Spherical Variance:	0.4098
Rbar:	0.5902

Fracture/Joint Types

- Major Open Fracture/Joint
- Minor Open Fracture/Joint
- Partially Open Fracture/Joint
- Filled Fracture/Joint

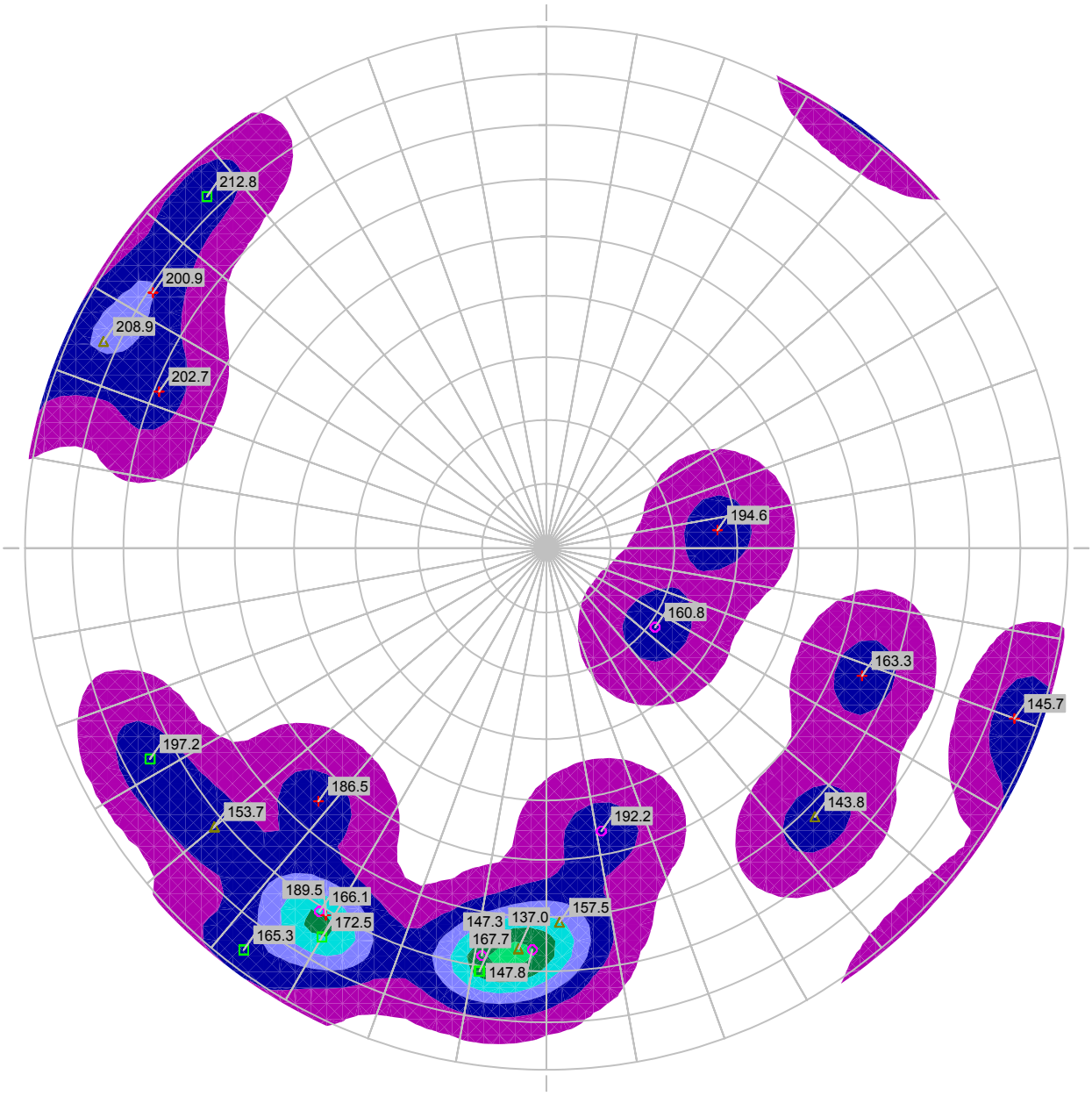
R2-0007775

Depth	Strike	Dip	DipAzmuth	Comments	Symbol
170.5	34	52	124	Major Open Joint / Fracture	2
179.2	205	76	295	Major Open Joint / Fracture	2
179.2	212	83	302	Major Open Joint / Fracture	2
183.2	25	71	115	Major Open Joint / Fracture	2
185.3	40	84	130	Major Open Joint / Fracture	2
186.4	29	74	119	Minor Open Joint / Fracture	2
186.8	33	77	123	Major Open Joint / Fracture	2
200.9	19	73	109	Major Open Joint / Fracture	2
201.8	18	76	108	Major Open Joint / Fracture	2
211.6	209	77	298	Major Open Joint / Fracture	2
211.8	207	83	297	Major Open Joint / Fracture	2
131.9	219	73	309	Partially Open Joint / Fracture	3
134.6	51	59	141	Partially Open Joint / Fracture	3
136.7	51	47	141	Partially Open Joint / Fracture	3
140.2	37	71	127	Partially Open Joint / Fracture	3
164.2	40	60	130	Partially Open Joint / Fracture	3
171.6	34	63	124	Partially Open Joint / Fracture	3
176.3	243	37	333	Partially Open Joint / Fracture	3
199.7	50	77	140	Partially Open Joint / Fracture	3
143.2	36	55	126	Filled Fracture / Joint	4
145.5	65	59	155	Filled Fracture / Joint	4
148.9	53	50	142	Filled Fracture / Joint	4
152.7	304	79	34	Filled Fracture / Joint	4
157.4	28	45	118	Filled Fracture / Joint	4
157.9	21	45	111	Filled Fracture / Joint	4
159.6	216	66	306	Filled Fracture / Joint	4
159.6	35	63	125	Filled Fracture / Joint	4
162.9	17	66	107	Filled Fracture / Joint	4
194.4	57	56	147	Filled Fracture / Joint	4
198.8	45	77	135	Filled Fracture / Joint	4
209.3	45	40	135	Filled Fracture / Joint	4

Depth is in feet below ground surface

Strike and DipAzmuth are relative to true north

MPW-4 OTV Fracture Stereonet Word Draft



Fracture Density

- 24.0 - 27.0
- 21.0 - 24.0
- 18.0 - 21.0
- 15.0 - 18.0
- 12.0 - 15.0
- 9.0 - 12.0
- 6.0 - 9.0
- 3.0 - 6.0
- 0.0 - 3.0

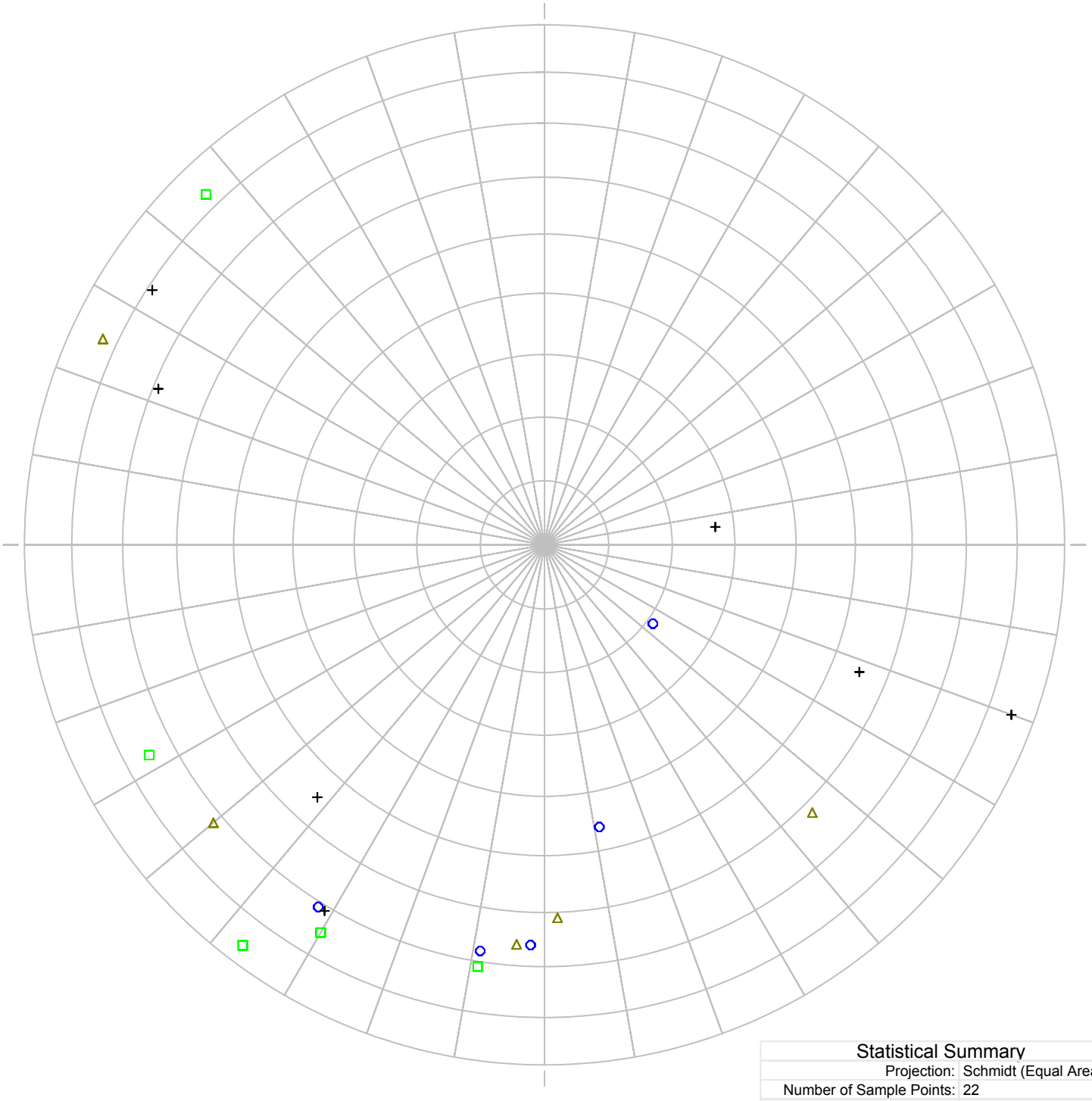
Fracture/Joint Types

- Major Open Fracture/Joint
- Minor Open Fracture/Joint
- Partially Open Fracture/Joint
- Filled Fracture/Joint

Statistical Summary	
Projection:	Schmidt (Equal Area)
Number of Sample Points:	22
Mean Lineation Azimuth:	188.9
Mean Lineation Plunge:	27.8
Great Circle Azimuth:	94.6
Great Circle Plunge:	27.9
1st Eigenvalue:	0.554
2nd Eigenvalue:	0.34
3rd Eigenvalue:	0.106
LN (E1 / E2):	0.49
LN (E2 / E3):	1.163
(LN(E1/E2)] / (LN(E2/E3)):	0.422
Spherical Variance:	0.3789
Rbar:	0.6211

R2-0007777

MPW-4 OTV Fracture Stereonet Word Draft



Statistical Summary	
Projection:	Schmidt (Equal Area)
Number of Sample Points:	22
Mean Lineation Azimuth:	188.9
Mean Lineation Plunge:	27.8
Great Circle Azimuth:	94.6
Great Circle Plunge:	27.9
1st Eigenvalue:	0.554
2nd Eigenvalue:	0.34
3rd Eigenvalue:	0.106
LN (E1 / E2):	0.49
LN (E2 / E3):	1.163
(LN(E1/E2)] / (LN(E2/E3)):	0.422
Spherical Variance:	0.3789
Rbar:	0.6211

Fracture/Joint Types

- Major Open Fracture/Joint
- Minor Open Fracture/Joint
- Partially Open Fracture/Joint
- Filled Fracture/Joint

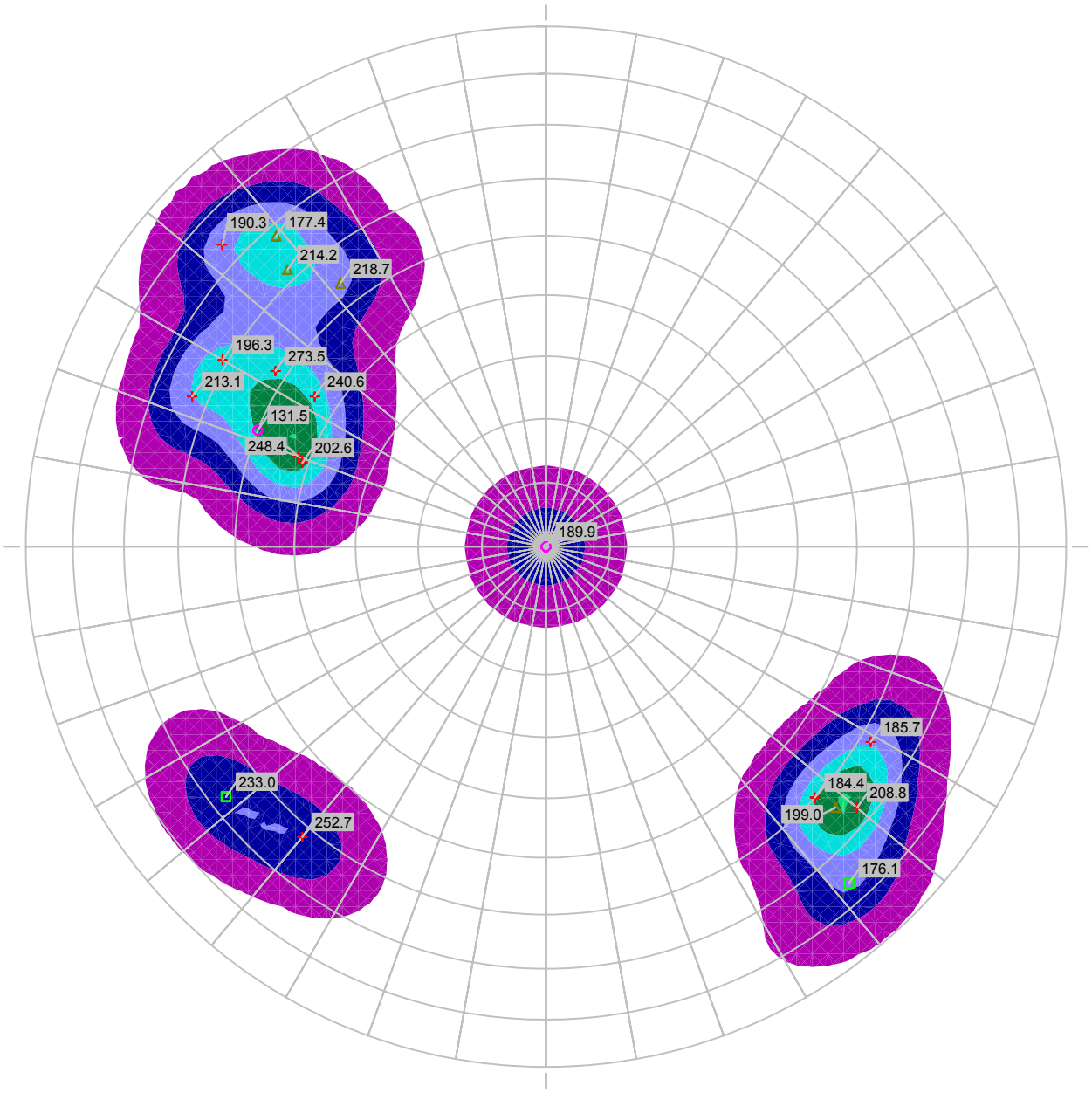
R2-0007778

Depth	Strike	Dip	DipAzmuth	Comments	Symbol
147.3	279	68	9	Minor Open Joint / Fracture	1
147.8	272	66	2	Minor Open Joint / Fracture	1
160.8	216	21	306	Minor Open Joint / Fracture	1
166.1	302	71	32	Minor Open Joint / Fracture	1
192.2	259	46	349	Minor Open Joint / Fracture	1
165.3	307	86	37	Major Open Joint / Fracture	2
167.7	279	71	9	Major Open Joint / Fracture	2
172.5	300	75	30	Major Open Joint / Fracture	2
197.2	332	75	62	Major Open Joint / Fracture	2
212.8	46	83	136	Major Open Joint / Fracture	2
137	274	66	4	Partially Open Joint / Fracture	3
143.8	225	62	315	Partially Open Joint / Fracture	3
153.7	320	72	50	Partially Open Joint / Fracture	3
157.5	268	61	358	Partially Open Joint / Fracture	3
208.9	25	83	115	Partially Open Joint / Fracture	3
145.7	200	85	290	Filled Fracture / Joint	4
163.3	202	55	292	Filled Fracture / Joint	4
186.5	312	55	42	Filled Fracture / Joint	4
189.5	301	71	31	Filled Fracture / Joint	4
194.6	174	27	264	Filled Fracture / Joint	4
200.9	33	79	123	Filled Fracture / Joint	4
202.7	22	69	112	Filled Fracture / Joint	4

Depth is in feet below ground surface

Strike and DipAzmuth are relative to true north

MPW-5 OTV Fracture Stereonet Word Draft



Fracture Density

- 24.0 - 27.0
- 21.0 - 24.0
- 18.0 - 21.0
- 15.0 - 18.0
- 12.0 - 15.0
- 9.0 - 12.0
- 6.0 - 9.0
- 3.0 - 6.0
- 0.0 - 3.0

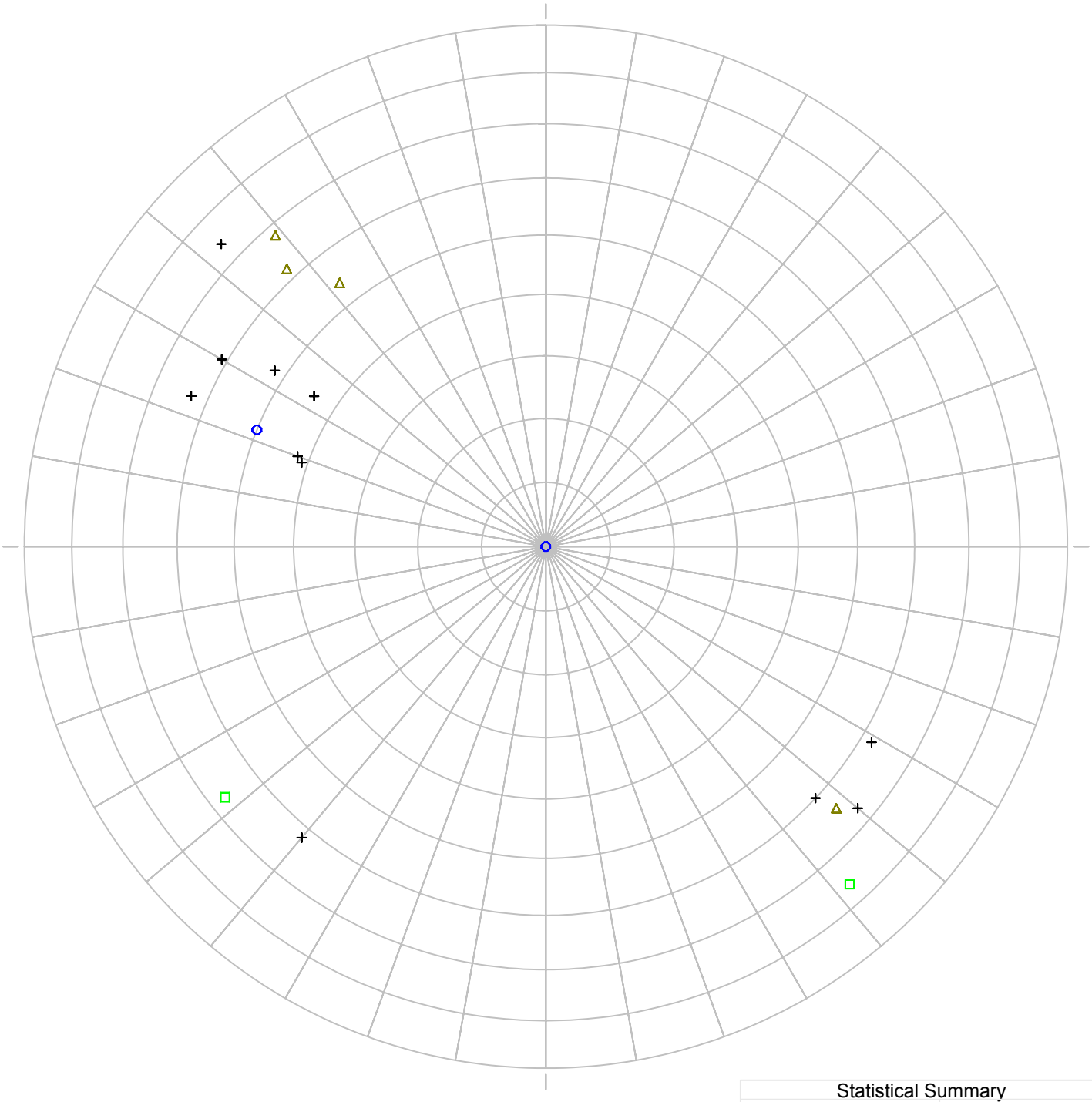
Fracture/Joint Types

- Major Open Fracture/Joint
- Minor Open Fracture/Joint
- Partially Open Fracture/Joint
- Filled Fracture/Joint

Statistical Summary	
Projection:	Schmidt (Equal Area)
Number of Sample Points:	19
Mean Lineation Azimuth:	303.2
Mean Lineation Plunge:	24.6
Great Circle Azimuth:	132.0
Great Circle Plunge:	71.4
1st Eigenvalue:	0.661
2nd Eigenvalue:	0.259
3rd Eigenvalue:	0.081
LN (E1 / E2):	0.938
LN (E2 / E3):	1.167
(LN(E1/E2)] / (LN(E2/E3)):	0.804
Spherical Variance:	0.4076
Rbar:	0.5924

R2-0007780

MPW-5 OTV Fracture Stereonet Word Draft



Statistical Summary	
Projection:	Schmidt (Equal Area)
Number of Sample Points:	19
Mean Lineation Azimuth:	303.2
Mean Lineation Plunge:	24.6
Great Circle Azimuth:	132.0
Great Circle Plunge:	71.4
1st Eigenvalue:	0.661
2nd Eigenvalue:	0.259
3rd Eigenvalue:	0.081
LN (E1 / E2):	0.938
LN (E2 / E3):	1.167
(LN(E1/E2)] / (LN(E2/E3)):	0.804
Spherical Variance:	0.4076
Rbar:	0.5924

Fracture/Joint Types

- Major Open Fracture/Joint
- Minor Open Fracture/Joint
- Partially Open Fracture/Joint
- Filled Fracture/Joint

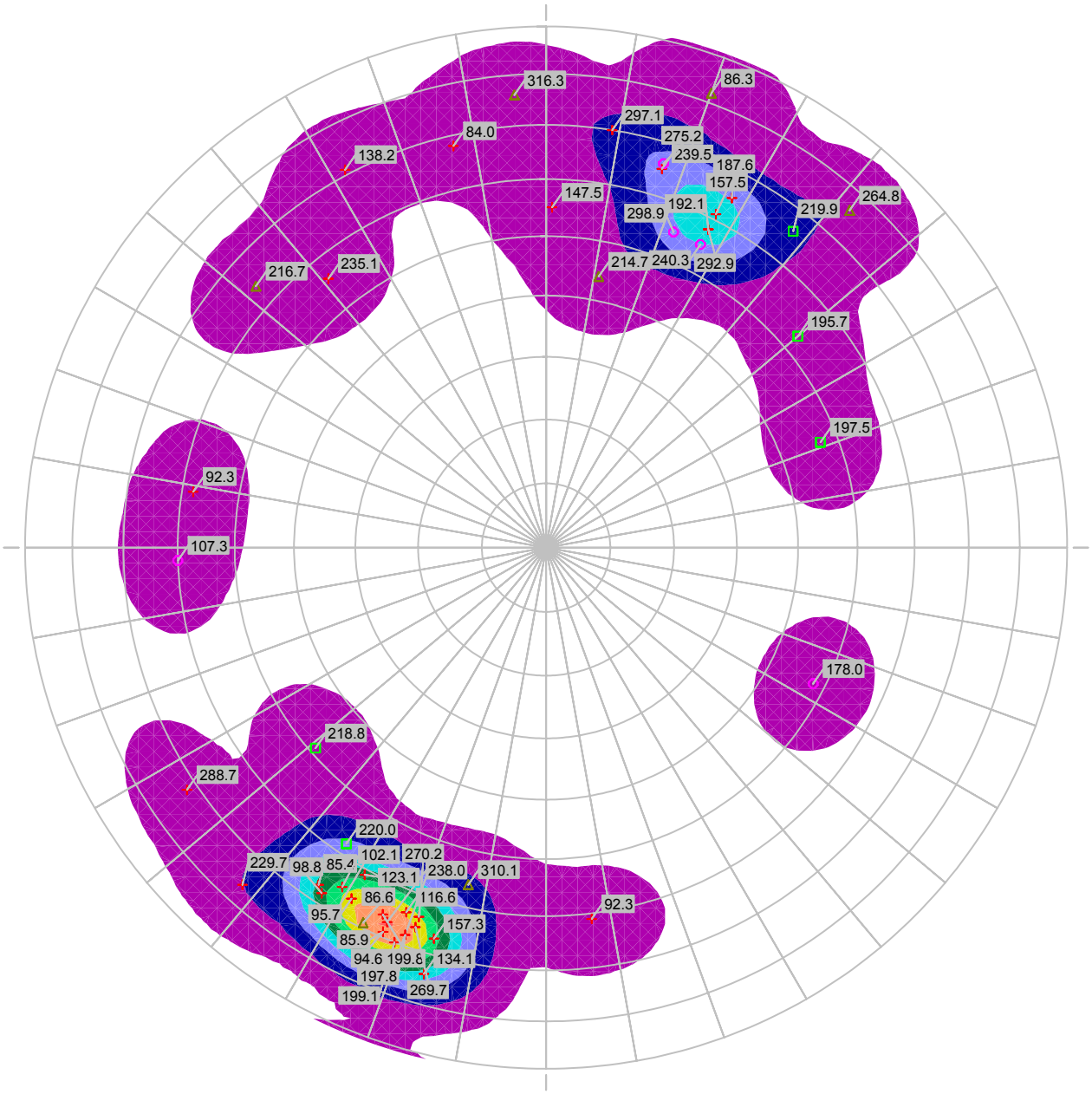
R2-0007781

Depth	Strike	Dip	DipAzmuth	Comments	Symbol
131.5	22	50	112	Minor Open Joint / Fracture	1
189.9	286	0	16	Minor Open Joint / Fracture	1
176.1	228	76	318	Major Open Joint / Fracture	2
233	322	67	52	Major Open Joint / Fracture	2
177.4	49	68	139	Partially Open Joint / Fracture	3
199	222	64	312	Partially Open Joint / Fracture	3
214.2	47	62	137	Partially Open Joint / Fracture	3
218.7	52	54	142	Partially Open Joint / Fracture	3
184.4	223	60	313	Filled Fracture / Joint	4
185.7	211	62	301	Filled Fracture / Joint	4
190.3	43	74	133	Filled Fracture / Joint	4
196.3	30	61	120	Filled Fracture / Joint	4
202.6	19	41	109	Filled Fracture / Joint	4
208.8	220	67	310	Filled Fracture / Joint	4
213.1	23	63	113	Filled Fracture / Joint	4
240.6	33	44	123	Filled Fracture / Joint	4
248.4	20	42	110	Filled Fracture / Joint	4
252.7	310	62	40	Filled Fracture / Joint	4
273.5	33	52	123	Filled Fracture / Joint	4

Depth is in feet below ground surface

Strike and DipAzmuth are relative to true north

MPW-6 OTV Fracture Stereonet Word Draft



Fracture Density

- 24.0 - 27.0
- 21.0 - 24.0
- 18.0 - 21.0
- 15.0 - 18.0
- 12.0 - 15.0
- 9.0 - 12.0
- 6.0 - 9.0
- 3.0 - 6.0
- 0.0 - 3.0

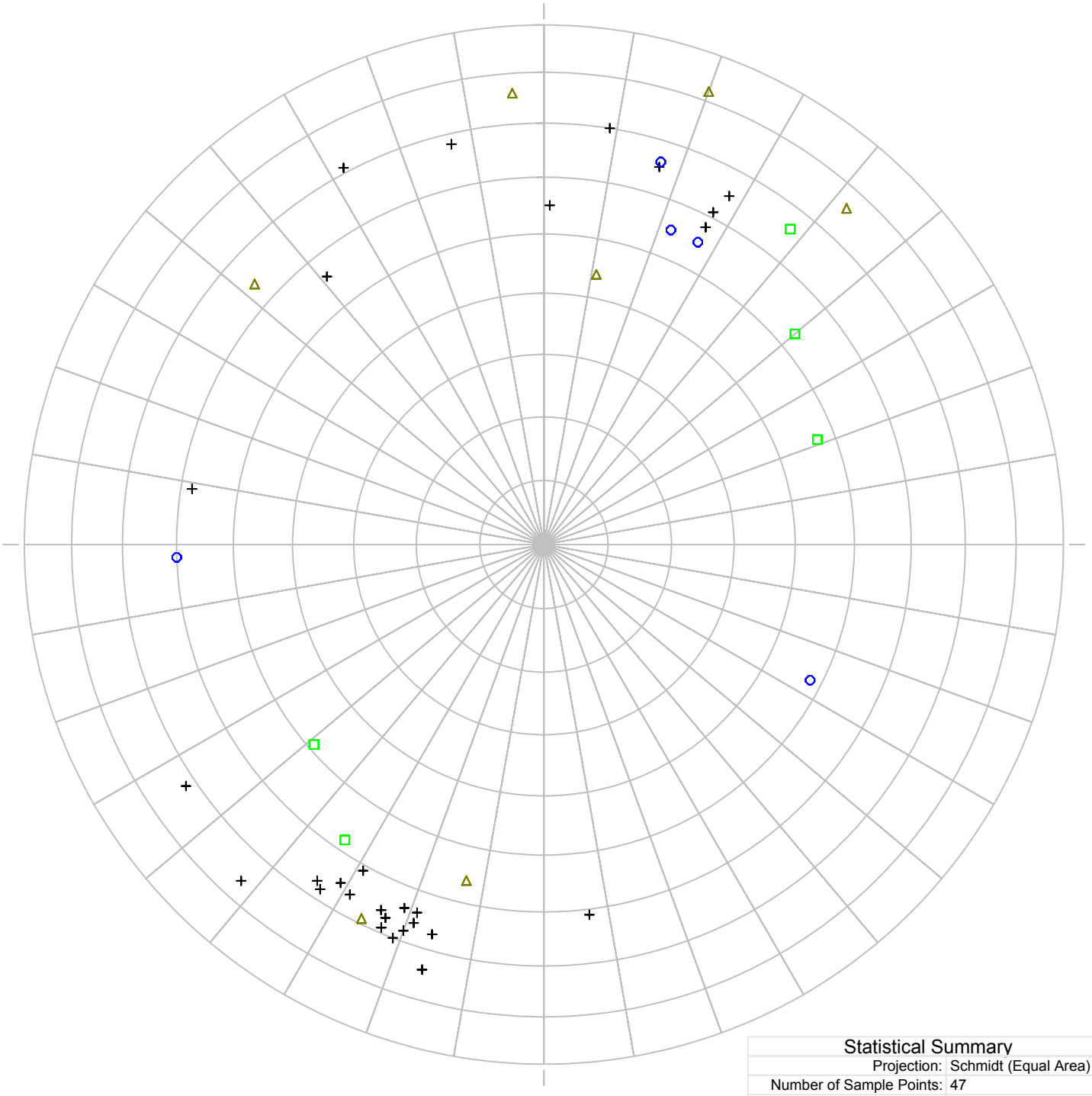
Fracture/Joint Types

- Major Open Fracture/Joint
- Minor Open Fracture/Joint
- Partially Open Fracture/Joint
- Filled Fracture/Joint

Statistical Summary	
Projection:	Schmidt (Equal Area)
Number of Sample Points:	47
Mean Lineation Azimuth:	203.2
Mean Lineation Plunge:	3.7
Great Circle Azimuth:	201.9
Great Circle Plunge:	70.9
1st Eigenvalue:	0.671
2nd Eigenvalue:	0.218
3rd Eigenvalue:	0.111
LN (E1 / E2):	1.122
LN (E2 / E3):	0.679
(LN(E1/E2)] / (LN(E2/E3)):	1.653
Spherical Variance:	0.5389
Rbar:	0.4611

R2-0007783

MPW-6 OTV Fracture Stereonet Word Draft



Statistical Summary	
Projection:	Schmidt (Equal Area)
Number of Sample Points:	47
Mean Lineation Azimuth:	203.2
Mean Lineation Plunge:	3.7
Great Circle Azimuth:	201.9
Great Circle Plunge:	70.9
1st Eigenvalue:	0.671
2nd Eigenvalue:	0.218
3rd Eigenvalue:	0.111
LN (E1 / E2):	1.122
LN (E2 / E3):	0.679
(LN(E1/E2)] / (LN(E2/E3)):	1.653
Spherical Variance:	0.5389
Rbar:	0.4611

Fracture/Joint Types

- Major Open Fracture/Joint
- Minor Open Fracture/Joint
- Partially Open Fracture/Joint
- Filled Fracture/Joint

R2-0007784

MPW-6

Depth	Strike	Dip	DipAzmuth	Comments	Symbol
107.3	358	60	88	Minor Open Joint / Fracture	1
178	207	48	297	Minor Open Joint / Fracture	1
240.3	117	55	207	Minor Open Joint / Fracture	1
275.2	107	66	197	Minor Open Joint / Fracture	1
298.9	112	55	202	Minor Open Joint / Fracture	1
195.7	140	53	230	Major Open Joint / Fracture	2
197.5	159	47	248	Minor Open Joint / Fracture	2
218.8	319	49	49	Major Open Joint / Fracture	2
219.9	128	66	218	Major Open Joint / Fracture	2
220	304	58	34	Major Open Joint / Fracture	2
86.3	110	82	200	Partially Open Joint / Fracture	3
86.6	296	69	26	Partially Open Joint / Fracture	3
214.7	101	44	191	Partially Open Joint / Fracture	3
216.7	42	64	132	Partially Open Joint / Fracture	3
264.8	132	76	222	Partially Open Joint / Fracture	3
310.1	283	56	13	Partially Open Joint / Fracture	3
316.3	86	76	176	Partially Open Joint / Fracture	3
84	77	68	167	Filled Fracture / Joint	4
85.4	304	67	33	Filled Fracture / Joint	4
85.9	293	69	23	Filled Fracture / Joint	4
92.3	263	61	353	Filled Fracture / Joint	4
92.3	9	58	98	Filled Fracture / Joint	4
94.6	293	69	23	Filled Fracture / Joint	4
95.7	299	66	29	Filled Fracture / Joint	4
98.8	303	68	33	Filled Fracture / Joint	4
102.1	301	65	31	Filled Fracture / Joint	4
116.6	291	64	21	Filled Fracture / Joint	4
123.1	299	61	29	Filled Fracture / Joint	4
134.1	286	74	16	Filled Fracture / Joint	4
138.2	62	71	152	Filled Fracture / Joint	4
147.5	91	55	181	Filled Fracture / Joint	4
157.3	286	67	16	Filled Fracture / Joint	4
157.5	117	61	207	Filled Fracture / Joint	4
187.6	118	65	208	Filled Fracture / Joint	4
192.1	117	58	207	Filled Fracture / Joint	4
197.8	290	68	19	Filled Fracture / Joint	4
199.1	291	70	21	Filled Fracture / Joint	4
199.8	294	66	24	Filled Fracture / Joint	4
229.7	312	76	42	Filled Fracture / Joint	4
235.1	51	56	141	Filled Fracture / Joint	4
238	293	67	23	Filled Fracture / Joint	4
239.5	107	65	197	Filled Fracture / Joint	4
269.7	289	66	19	Filled Fracture / Joint	4
270.2	289	64	19	Filled Fracture / Joint	4
288.7	326	72	56	Filled Fracture / Joint	4
292.9	117	58	207	Filled Fracture / Joint	4
297.1	99	70	189	Filled Fracture / Joint	4

Depth is in feet below ground surface
Strike and DipAzmuth are relative to true north

\\nysvr1\RAC_II\Community Project Files\WA 168\Borehole_Geophysics\CDM_Fracture_Analysis\Raw_Material\Fracture Data.xls

Appendix H
Stage 1A Cultural Resources Survey

STAGE IA CULTURAL RESOURCES SURVEY
CIDRA GROUNDWATER CONTAMINATION SITE
MUNICIPALITY OF CIDRA, CIDRA
PUERTO RICO

FEBRUARY 2012

RICHARD GRUBB & ASSOCIATES, INC.
Cultural Resource Consultants

R2-0007787

Stage IA Cultural Resources Survey
Cidra Groundwater Contamination Site
Municipality of Cidra, Cidra
Puerto Rico

By

Michael L. Young, RPA

With Contributions From

Agamemnon G. Pantel, Ph.D.
Paola Schiappacasse, Ph.D.

Principal Investigator:

Michael L. Young, RPA _____ 2/24/2012
Signature **Date**

Prepared by:

Richard Grubb & Associates, Inc.
30 North Main Street
Cranbury, New Jersey 08512

Prepared for:

CDM Federal Programs Corporation
4420 Albemarle Point Place, Suite 210
Chantilly, Virginia 20151

Agency:

The United States Environmental Protection Agency

Date: February 24, 2012

EXECUTIVE SUMMARY

Richard Grubb & Associates completed a Stage IA cultural resources survey within the Area of Potential Effects (APE) for the Cidra Groundwater Contamination Site in the Municipality of Cidra in the east central mountains of Puerto Rico. The APE is defined as the 144 acre Cultural Resource Study Area. This survey was performed as part of a Remedial Investigation/Feasibility Study (RI/FS) being conducted by CDM Federal Programs Corporation (CDM) under contract to the United States Environmental Protection Agency. The Stage IA cultural resources survey was carried out in compliance with Section 106 of the National Historic Preservation Act, which requires federal agencies to take into account the effects of their undertakings on historic properties included in or eligible for inclusion in the National Register of Historic Places.

The primary goal of the Stage IA cultural resources survey was to assess the archaeological sensitivity of the APE. Portions of the APE possess high and moderate sensitivity for archaeological resources. Historic evidence indicates the Cidra Municipal Cemetery was established by at least the 1880s. The precise boundaries of nineteenth century cemeteries are often not accurately recorded in historical records, and associated historic burials may be identified outside documented cemetery limits. Areas near this cemetery possess a high sensitivity for historic burials. Elsewhere, in the western and southern portion of the APE, zones of high and moderate sensitivity for archaeological resources have been delineated on the basis of cartographic evidence, field reconnaissance, and the review of geoprobe soil boring logs. Other portions of the APE possess extensive evidence of disturbance associated with previous earthmoving activities and possess low sensitivity for the survival of intact archaeological resources. However, parking lots and yard areas within the northern portion of the low sensitivity zone and along Route 171 may possess potential for deep historic features, such as wells or privies associated with nineteenth century structures depicted on historic maps of the area.

A Stage IB cultural resources survey is recommended if subsurface disturbance for remediation is planned within the zones of high or moderate archaeological sensitivity. Close consideration should be given to the location of proposed impacts if subsurface disturbance will also occur in the low sensitivity zone. The possibility exists that small paved or open areas may possess potential for deep historic features.

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Glossary of Acronyms:

APE	Area of Potential Effects
CAT	Council for the Protection of Land Based Archaeological Resources
CDM	CDM Federal Programs Corporation
EPA	Environmental Protection Agency
HAER	Historic American Engineering Record
IPRC	Institute of Puerto Rican Culture
NRHP	National Register of Historic Places
PRSHPO	Puerto Rico State Historic Preservation Office
RI/FS	Remedial Investigation/Feasibility Study
SOW	Scope of Work

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SECTION 1.0 INTRODUCTION

The Cultural Resource Study Area for the Cidra Groundwater Contamination Site consists of approximately 144 acres in the Municipality of Cidra in the east central mountains of Puerto Rico (Figures 1.1 to 1.3). The Area of Potential Effects (APE) for this survey is defined as the 144 acre Cultural Resource Study Area. This survey is part of a Remedial Investigation/Feasibility Study (RI/FS) being conducted by CDM Federal Programs Corporation (CDM), under contract to the United States Environmental Protection Agency (EPA).

The Stage IA cultural resources survey was carried out in compliance with Section 106 of the National Historic Preservation Act of 1966, as amended, which requires federal agencies to take into account the effects of their undertakings on historic properties included in or eligible for inclusion in the National Register of Historic Places (NRHP). This Stage IA cultural resources survey was also conducted in accordance with the Secretary of the Interior's *Standards and Guidelines for Archaeology and Historic Preservation* (Federal Register, Volume 48, No. 190), 36 CFR Part 800: Protection of Historic Properties, and the Council for the Protection of Land Based Archaeological Resources' (CAT's) *Reglamento Para Investigaciones de Recursos Arqueologicos Terrestres (*1992). This survey was directed by Michael L. Young, M.A., RPA, whose qualifications meet the requirements of 36 CFR 61 (see Appendix A).

The Stage IA cultural resources survey was conducted in adherence to the Scope of Work (SOW) included within the bid documents issued by CDM in August 2011, for Solicitation No. IFB-3320-000-009-HS. The SOW included background research, site reconnaissance, the assessment and delineation of zones of archaeological sensitivity, and the preparation of this report with management recommendations. Site reconnaissance was carried out on November 1, 2011. Field data and project documents are stored at the offices of Richard Grubb & Associates, in Cranbury, New Jersey.

This report was written by Michael Young with contributions from Puerto Rico based archaeologists Agamemnon G. Pantel, Ph.D. and Paola Schiappacasse, Ph.D. Background research was performed by Dr. Schiappacasse. Report graphics were created by Patricia McEachen. Field logistics were planned by Paul George. Paul McEachen and Richard Grubb provided quality control during review of the report, while Christina Dunn edited and formatted the report. Assistance from Michael Valentino and Frances Delano of CDM was appreciated during the course of the project.

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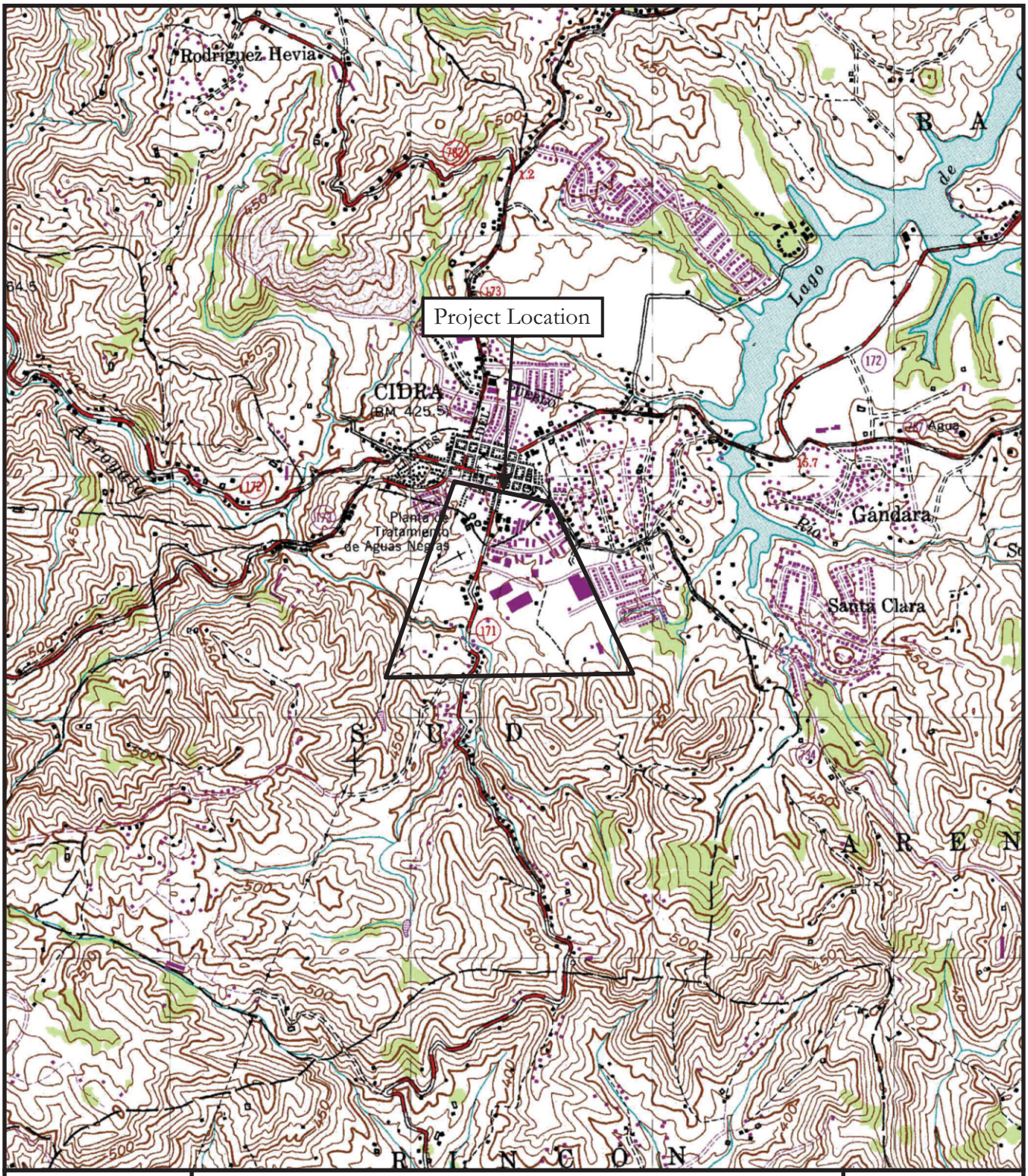

Figure 1.1:

U.S.G.S. Map
(from 1957 U.S.G.S. 7.5′ Quadrangle:
Comerio, PR [photorevised 1982]).

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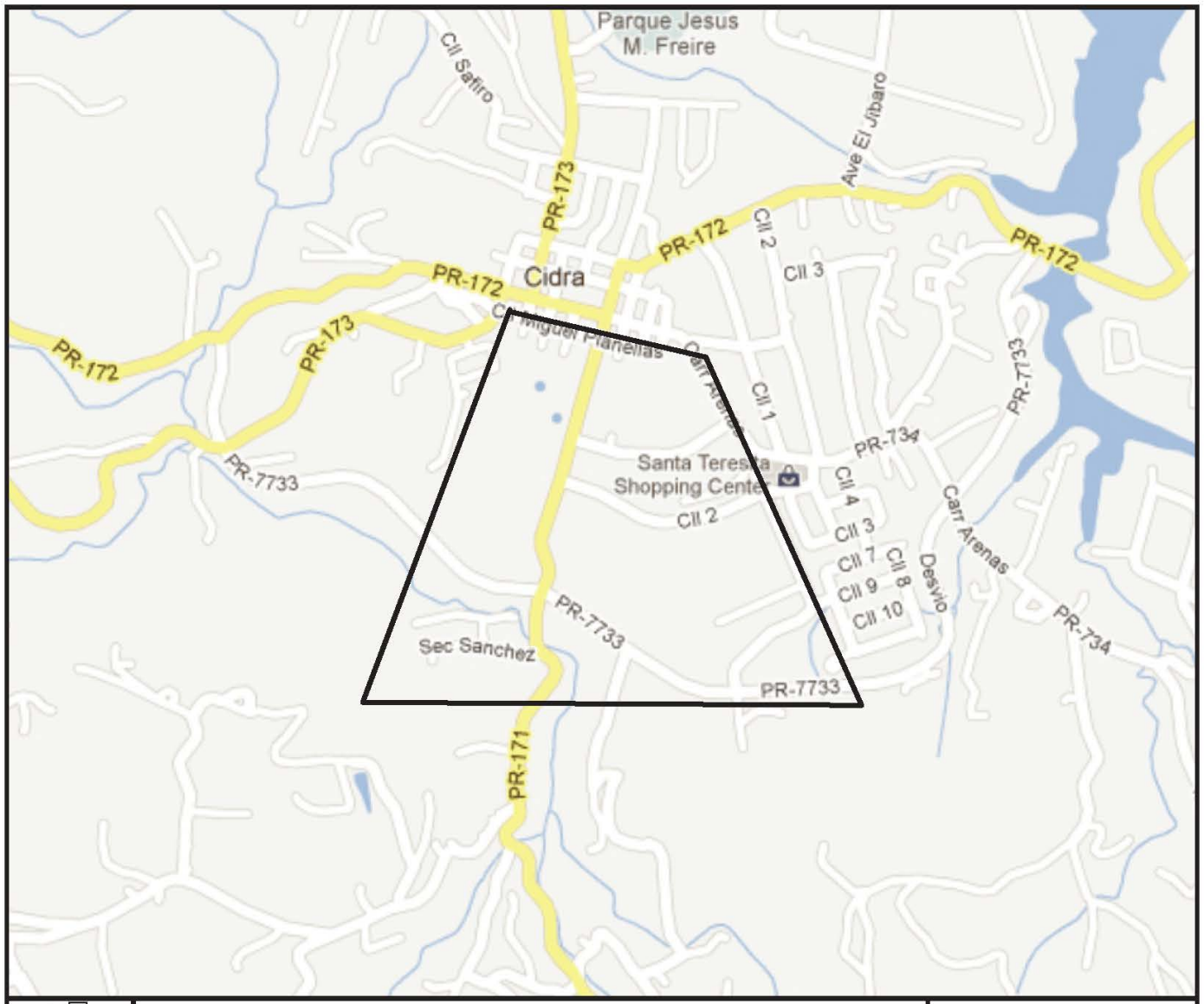

Figure 1.2:

County Map
(from 2011 GoogleMaps).

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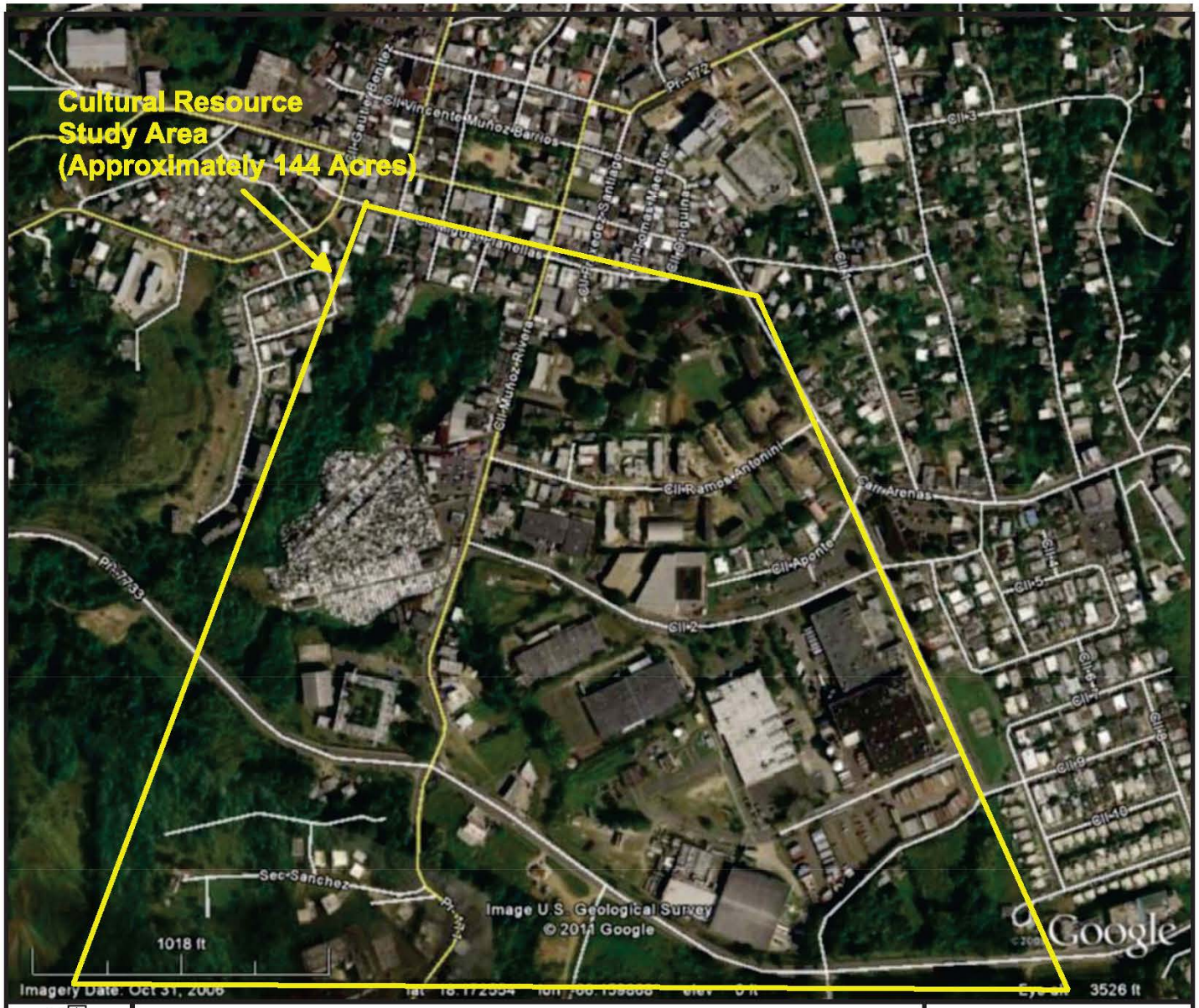

Figure 1.3:

Aerial Map of the Cultural Resource Study Area.

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SECTION 2.0 ENVIRONMENTAL SETTING

The APE consists of an approximately 144-acre Cultural Resource Study Area located in the east central mountains of Puerto Rico and is comprised primarily of areas of residential, commercial, and industrial development, with fallow fields and forested lands situated within the western and southern perimeter. The Arroyata River flows through the southwestern portion of the APE, entering the La Plata River approximately 8 kilometers to the northwest. Within the southeastern portion of the APE, a smaller unnamed waterway flows to the northeast entering Lake Cidra approximately 1500 feet (450 meters) east of the APE. Elevation in the APE ranges from 400 to 450 meters above sea level (see Figure 1.1).

The APE is located within Geographic Region 8, the Humid East Central Mountains of Puerto Rico (Figure 2.1). The region is comprised of more gentle topography than the Sierra de Cayey to the south, and contains numerous valleys carved out by the larger rivers such as the La Plata (Pico 1974:377-378). Soils are predominantly clayey or sandy, deriving from volcanic and sedimentary rocks.

Specific soil series within the APE have been identified through the United State Department of Agriculture's Web Soil Survey, an online soils database (Web Soil Survey 2008). Moderately sloping (5% to 20% slope) soil series within the APE include Daguey clay (DaD) and Juncos clay (JuC) which together constitute approximately 45 percent of the APE. Steeply sloping soil series (20% to 40% slope), including Humatas clay (HtF), and Mucara clay together compromise 21 percent of the APE. Due to the presence of previous disturbance and filling associated with industrial development (Figure 2.2), 33 percent of the APE within the industrial section of Cidra is listed as Urban Land-Vega Alta Complex (Uv).

The APE is located in the Lower Cordillera Mountain Forest region or ecological province of Puerto Rico, consisting of moist forests (Pico 1974:184-185). These mountain forests, along with those of the neighboring High Cordillera region, are described as the "most magnificent forests in Puerto Rico" (Pico 1974:184-185). Vegetation within the APE varies widely, and outside the residential, commercial, and industrial development areas consists primarily of fallow fields and forested areas in the western and southern perimeter (see Figure 1.3).

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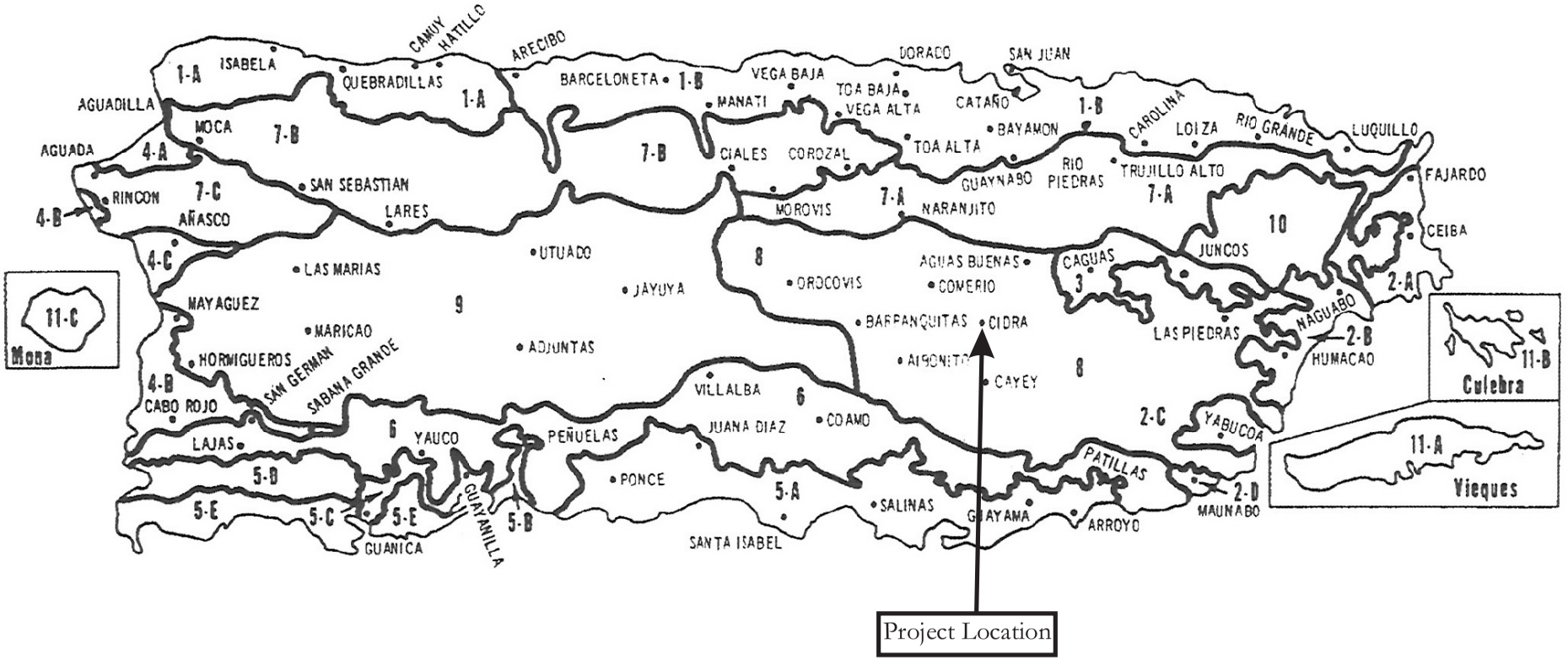

Figure 2.1:

Geographic Areas of Puerto Rico.

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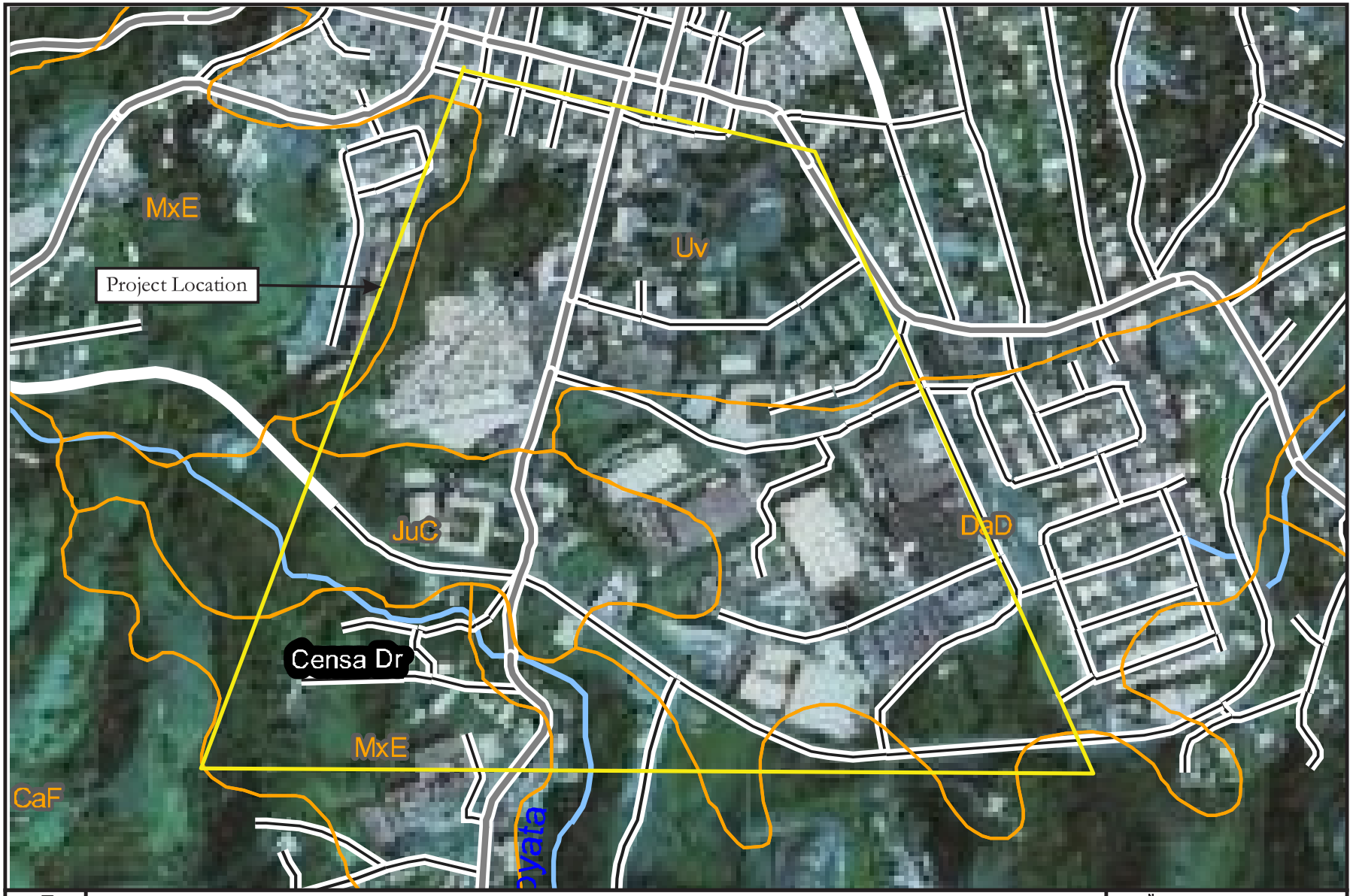

Figure 2.2:

Soils Map (from 2008 Natural Resources Conservation Service, Web Soil Survey, http://websoilsurvey.nrcs.usda.gov).

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SECTION 3.0 BACKGROUND RESEARCH

The Stage IA cultural resources survey included a literature and map search to provide a context for the evaluation of potentially significant prehistoric and historic archaeological resources in the APE and vicinity. Background research was conducted at the headquarters of the CAT, Institute of Puerto Rican Culture (IPRC), and the Puerto Rico State Historic Preservation Office (PRSHPO).

3.1 Prehistoric Context

The outline of cultural history used for this research is based on pre-Columbian periods defined by J. J. Ortiz-Aguilú (2001). The "Initial Indigenous Period" referred to as "Aboriginal Settlement Puerto Rico" (ca. 4000 BC - 300 BC) includes the Paleoindian and Archaic Traditions. The Paleoindian Tradition is characterized by small settlements, with possible long-distance contacts with the South and Central American continental coasts, and an economy focused on maritime coastal and inland wetland areas. The Archaic Tradition is defined as having had small settlements with possible long-range contacts between and within islands. There was a reduction or elimination of contacts with the South and Central American coasts; it had an economy focused on maritime coastal and inland wetland areas, the possible use of a nascent horticulture, as well as the possible exploitation of mountainous inland areas near major bodies of water.

The "Indian Intermediate Period I" known as the "Arrival and settlement of potter communities" (300 BC - 600 AD) is divided into two traditions. The Early Saladoid Puerto Rican Tradition is characterized by settlements on the coast and in the piedmont, a mixed economy that combined fishing and agricultural production, high quality technical and aesthetic ceramic technology, and the sporadic development of possible socio-political centers in the southern and eastern coastal areas of Puerto Rico and the island of Vieques. The Late Saladoid Puerto Rican Tradition had settlements on the coast, piedmont and certain areas of the Central Cordillera, a mixed economy that combined fishing and agricultural production, and a ceramic technology of good technical quality but a low aesthetic manifestation. During this tradition there was an apparent dissolution of previously developed socio-political centers in the southern and eastern coastal areas of Puerto Rico and Vieques.

The "Indian Intermediate Period II" is referred to as "Developing indigenous and political transformation" (600 AD - 1100 AD) and is composed by the Ostiones Tradition that is divided into Early and Late. The Early Ostionoid Tradition had very large settlements on the coast and piedmont, a mixed economy that combined fishing and agricultural production and evidence of enhanced production by the use of terraces in the interior parts of Cayey, Utuado and Arecibo.

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Other characteristics include the development of political institutions on the south and west coast of Puerto Rico, intra and inter-island communication, the production of ceremonial paraphernalia in the form of small idols *trigonolitos*, a simple style, and the initiation of political centralization in some parts of the South coastal plain and piedmont. The Late Ostionoid Tradition had very large settlements on the coast, piedmont and mountainous interior. This tradition is marked by a mixed economy that combined fishing and agricultural production, with evidence of enhanced production by the use of terraces in parts of Cayey, Utuado and Arecibo. Other developments during the Ostinoid Tradition include the development of political centers in the south coast, west coast and mountainous interior, communication intra and inter-islands, and the production of ceremonial paraphernalia in the form of small idols *(trigonolitos)*, and the possible manufacture of stone rings of the heavy crude type.

The "Late Indigenous Period" is referred to as "Centralization and European Contact" (ca. 1100 to 1500 AD) and is known as the Taino Tradition. The characteristics include: settlements in coastal, piedmont, and mountainous interior; a mixed economy that combined fishing and agricultural production; evidence of enhanced production by the use of lots and possibly terraces; the development of political institutions in each of the geographical regions of the island, with a possible macro-division between east and west; and, communication intra and inter-islands.

3.2 Historic Context

Cidra was founded in 1809. In terms of population, it was reported that in 1824 there were 2,400 inhabitants. This figure increased to 2,673 by 1828. Among the neighbors, there were 17 artisans, 5 foreigners, 2 migrants, 1 surveyor, 1 doctor, 4 stores, and 3 *ventorrillos* (Sepúlveda 2004, Vol. I:79). The important buildings were the Church, built in 1810, and a cemetery with a wooden fence (2004, Vol 1:79). The church and some nearby dwellings are depicted on a drawing from the 1820s (Figure 3.1). The location of Cidra is shown on a map by Gamma in 1842 and a detail map from 1837 (Figures 3.2 and 3.3).

By 1853, the public buildings consisted of the masonry church, a cemetery, the town hall and the butcher shop (Sepúlveda 2004, Vol. 2:80). Ubeda and Delgado (1878) provide a description of the economic and civic aspects of Cidra. Table 3.1 breaks down the number of houses, huts, families, and stores reported in Cidra (Ubeda and Delgado 1998:274):

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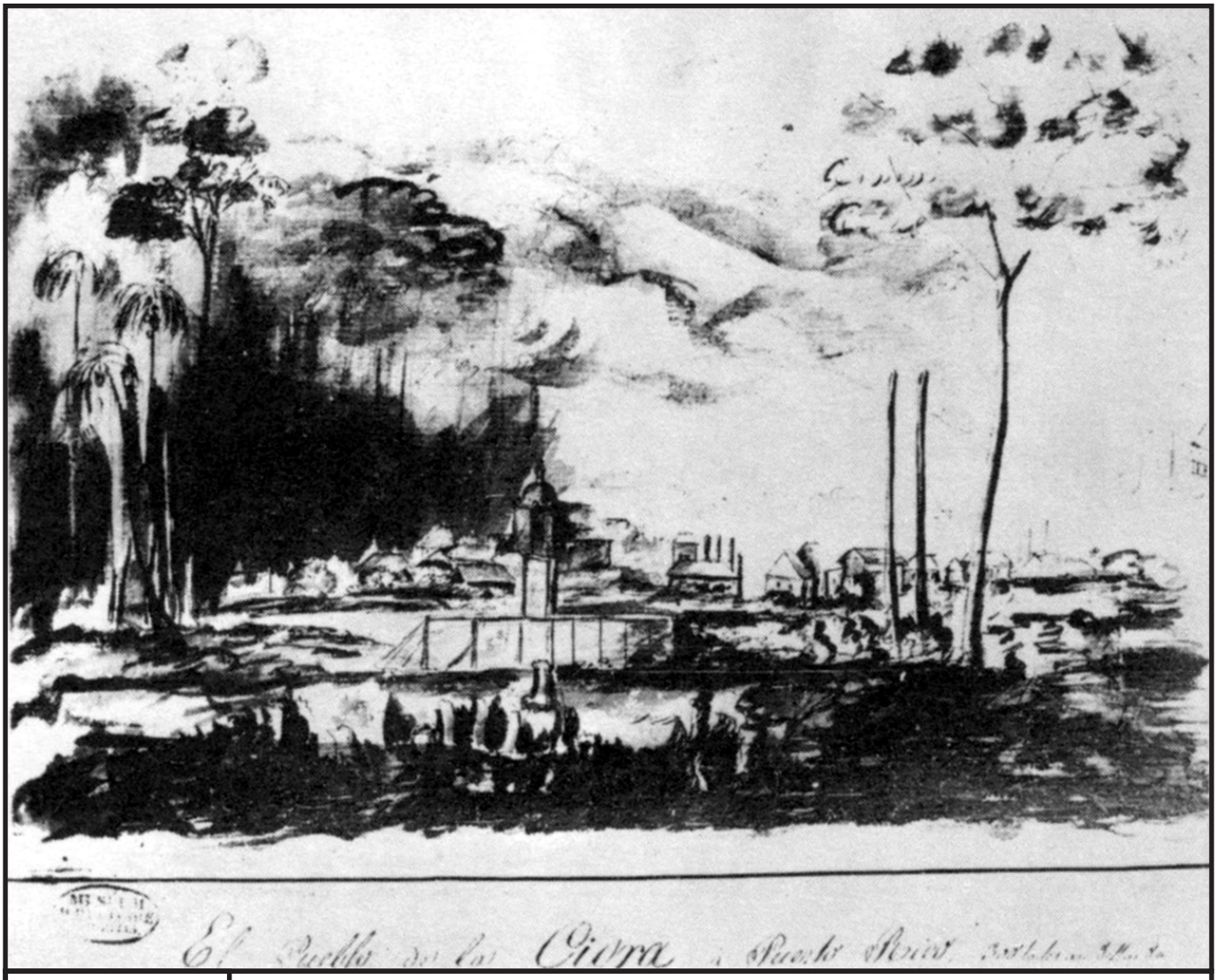

Figure 3.1:

Drawing made by Augusto Plee (1821-1823) showing the Church and some dwellings (Alegría 1975:14).

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Figure 3.2:

Map by Andrés García Gamba in 1842 showing the location of Cidra (Sepúlveda 2004, Tomo 2:80).

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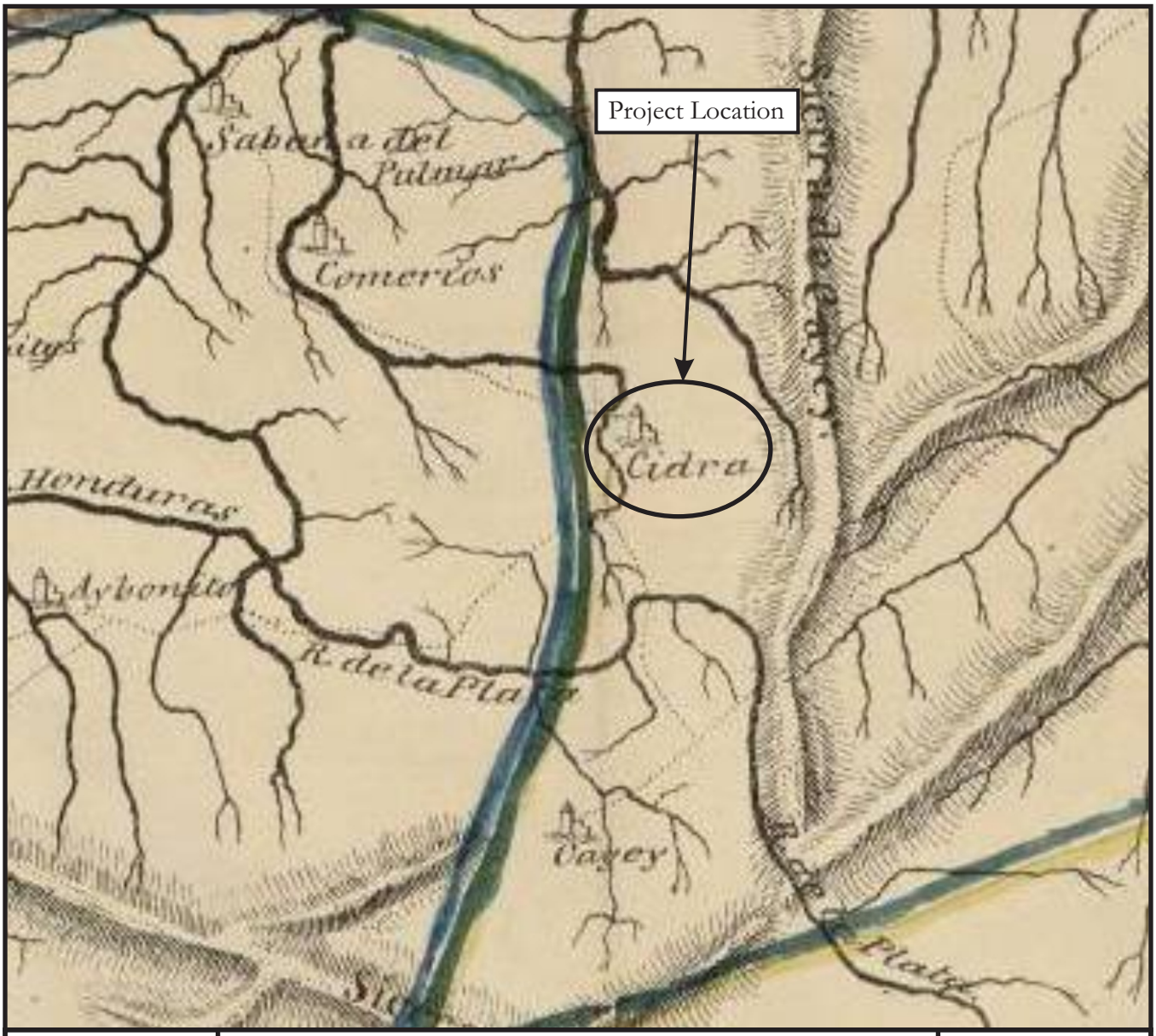

Figure 3.3:

Detail of a Map of Puerto Rico from 1837 showing the location of Cidra (SG.Ar.J.T4.C2-42).

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Table 3.1: Houses, Bohíos, Families, and Stores in Municipality of Cidra.

Ward	Houses	Huts	Families	Mixed stores	*Pulperia*	*Ventorrillo*
Pueblo	109	67	198	7	3	-
Monte-llano	11	76	76	-	-	2
Bayamón	2	84	130	-	-	2
Arenas	13	80	88	-	-	2
Beatriz	22	42	67	-	1	2
Rincón	2	64	64	-	-	1
Sur	1	63	77	-	-	-
Toíta	16	23	53	-	-	-
Honduras	4	50	48	-	-	1
Salto	1	50	48	-	-	-
Rabanal	35	95	155	-	-	4
Rio-abajo	1	70	79	-	-	3
Ceiba	2	63	46	-	-	1

In terms of the town, Ubeda and Delgado mention a square (*plaza*), five alleys, and the following public buildings: a two-story town hall (*Casa-Ayuntamiento*), a butcher shop and slaughterhouse, a masonry, cemetery, civil guard headquarters, a house that serves as the Church, and two schools. In terms of the population, an increase was registered from 2,473 people in 1828 to 6,279 in 1878. Figure 3.4 presents a sketch of Cidra made by the Topographic Commission in 1886.

A commercial directory published for Puerto Rico in 1894 by Jose Blanch said that the population was composed of 6,365 people (Blanch 1894:55). The agricultural activities included the production of coffee and grains on 165 coffee estates and 20 farms that produced minor crops. The businesses consisted of 4 mixed stores, 1 small retailer, 1 bakery, 1 meat supplier, 2 transportation companies, 1 pharmacy, 2 taverns, and 1 *gallera*.

The population of Cidra increased from 2,476 people in 1828 to 6,279 in 1878, to 6,365 people in 1894. The urban growth of Cidra from the late nineteenth to the early twenty-first century can be seen in Figure 3.5.

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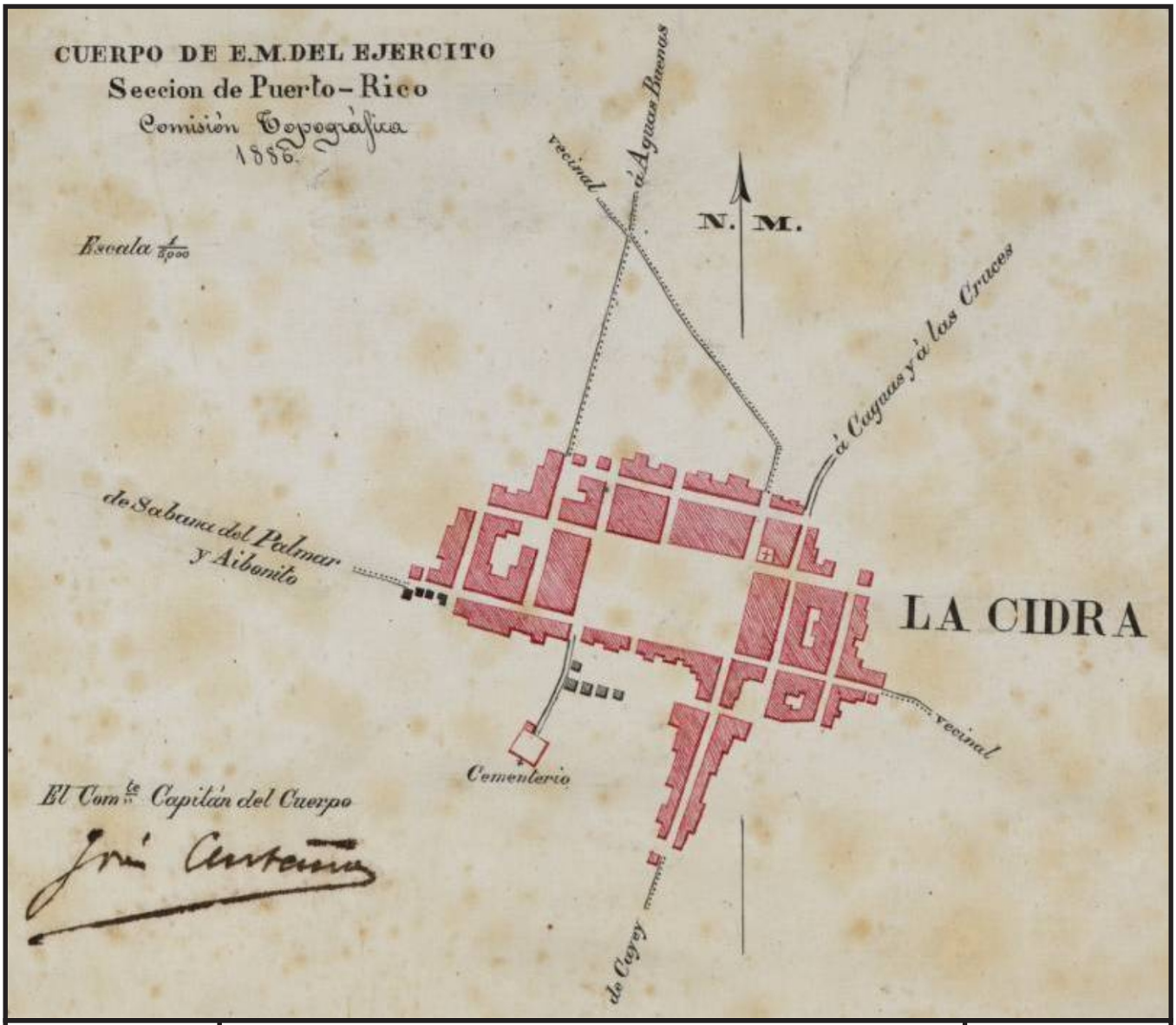

Figure 3.4:

Sketch of Cidra made by the Topographic Commission in 1886 (Caja 9,91-3)

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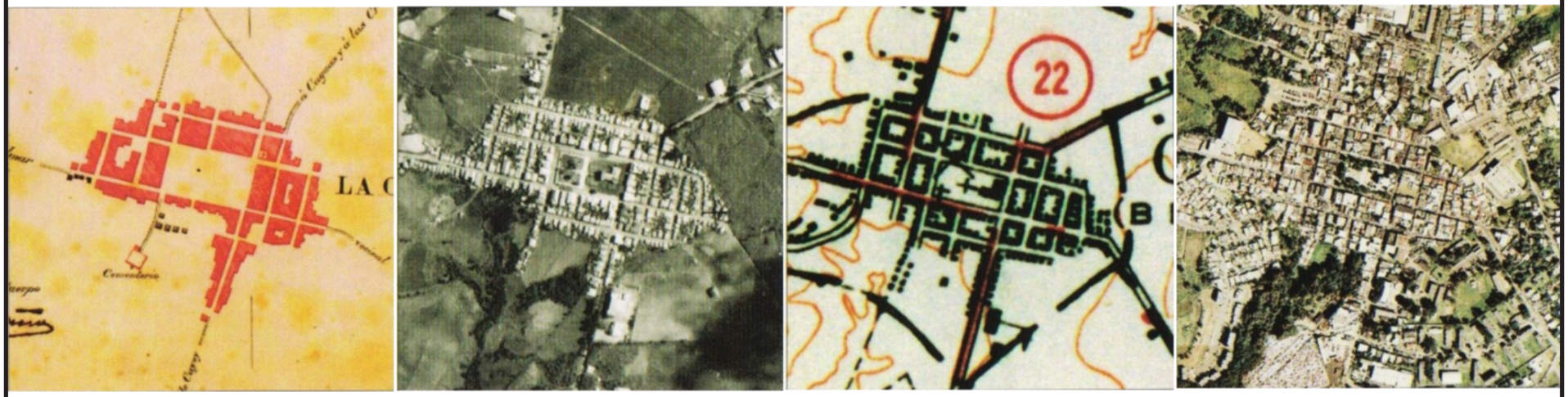

1886 1937 1946 2002

Figure 3.5:

Comparison between maps and aerial photographs showing the urban growth of Cidra (Sepúlveda 2004, Tomo 4:175).

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3.3 Summary of Previous Research

The information presented in this section corresponds, in some instances, to the municipality of Cidra, to the APE and/or to a two-kilometer buffer zone. As an added measure of due process, and taking into consideration the form of the APE, this research was done by establishing the two kilometer radius from the edges of the APE and not the center of the project. Complete listings of properties on the NRHP, the List of Sites and Historic Zones of the Puerto Rico Planning Board, the HAER, previously documented archaeological sites, and previous cultural resource surveys are included in Appendices B through D.

The document research on the cultural resources of Cidra were carried out at the headquarters of the CAT, the IPRC, and the PRSHPO. At the CAT, sources utilized include the archaeological site inventory, topographic quadrangles that show the location of resources, and the individual cultural resources management reports on file by the Commonwealth. At the PRSHPO, we consulted the same aforementioned source types, as well as the Historic American Engineering Record (HAER) and the NRHP. Additional sources consulted included the *Registro de Sitios y Zonas Historicas del Negociado de Planes de Uso de Terrenos* (Register of Sites and Historic Zones of the Planned Land Use Administration), maintained by the Puerto Rico Planning Board.

The NRHP does not contain properties within the municipality of Cidra (Marull 2011). Currently, no properties are being considered for inclusion to the NRHP. No historic properties are listed on the Puerto Rico Planning Board List of Sites and Historic Zones in the municipality (see Appendix B). The HAER lists two structures, the Puente del Lago de Cidra and Puente del Plata (Pumarada O'Neill 1978). These properties are not within the approximately 144 acre APE.

Seven archaeological sites have been registered within the municipality of Cidra by the PRSHPO and the CAT (see Appendix C). These sites are referenced by name according to the Smithsonian Trinomial System, wherein Cidra constitutes the code for the Municipality of Cidra. None of these sites are located within a 2 mile radius of the APE.

A total of 23 cultural resources management reports are on file at the PRSHPO and 66 are on file at the CAT for the municipality of Cidra. Appendix D includes the relevant information on the projects that fall within the study radius by ward. Seven of these were conducted partially within or near the APE. No archaeological resources were identified within or near the APE during these surveys.

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SECTION 4.0 ARCHAEOLOGICAL SENSITIVITY PREDICTIVE MODEL

The archaeological sensitivity of an area is defined as the likelihood for the presence of archaeological resources. Archaeological resources are defined as consisting in most cases of, from simplest to most complex, artifacts, deposits, features, and sites. Definitions of these types of archaeological resources are presented below.

Archaeological Resources

Artifacts range from prehistoric lithic (stone) chipping debris to ceramic and glass fragments from the historic period, in short, anything made by people. These are among the more visible remains on the ground, and many sites are first identified when broken ceramics or lithic artifacts are noted in the field.

Deposits are strata of soil containing artifacts. These deposits may have been built up over the course of a century, or they could have been deposited in a few days, depending on the site formation processes that created them. Generally, the contents of a deposit reflect items made and discarded in a discrete period of time, and deposits that are below others tend to be older. Archaeologists compare material from different deposits to look at change in sites over time.

Features are a particular type of deposit. A feature is something made by people, in a sense an artifact that is too large to remove intact in one piece. A hearth on a prehistoric site, a house foundation, or privy vault on an historic site are examples of features. On prehistoric sites, dateable charcoal is more likely to be encountered in features than in other deposits, and on historic sites, the contents of features are important for analysis because they frequently contain remains deposited by individual households.

An archaeological site is made up of all of the above. Sites contain artifacts within deposits and features, the locations of which are patterned by human occupation. Sites also exist within the context of overall settlement patterns, which govern where on the landscape they are located.

Settlement Patterns

Settlement location tends to be a compromise between various human needs; the basics are a relatively dry, relatively level place that is close to a source of drinking water and reasonably close to food sources.

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In general, prehistoric site sensitivity takes into account landscape characteristics within or near the APE that are associated with documented prehistoric sites in the region and locally. These variables include topography, potential for rock shelters or caves, proximity to water and resource catchment areas over time, soil characteristics, and proximity to lithic or clay source areas.

Prehistoric settlement pattern studies conducted in Puerto Rico and elsewhere in the Caribbean have concluded that important predictors of prehistoric site location include coastal geomorphology, vegetation, soils, wind direction, elevation, coastal access, marine resource base, security, and the availability of fresh water (Bradford 2001:103; Callaghan 2007:11; Curet 1992; Haviser 1997; Stokes and Keegan 1996:427; Wilson 1989, 2007). Coastal regions and interior areas at relatively level locations with good soils near fresh water appear to be particularly favored for prehistoric settlement.

Historic archaeological site settlement models takes into account the chronology of local community development, transportation routes, the documentary record of residential, commercial, and institutional buildings, and proximity to target historic resource areas (i.e., on rivers and streams where mills were established, quarry locations, etc.). The best predictors for the location of historic archaeological resources are proximity to major roads, proximity to nodes of settlement, and representation on historic maps.

Sensitivity of an area to contain industrial archaeological resources may also be modeled. As the power and transportation needs of industrial sites are likely to be key factors in their location, they have considerable predictive value, though these needs could vary widely from one industry to another. In addition, as technology changed, the needs of industry shifted as well. Early industrial enterprises, for example, were more likely to be located in proximity to flowing water with sufficient "fall" or gradiant to power water wheels, and later, turbines. Later, the increasing availability of steam power freed many businesses from the need to locate along rivers and streams. From that point railroads, which offered easy access and also offered the opportunity to easily ship finished products, would be more accurate predictors of industrial site location.

Models for Site Sensitivity

It is possible to model the sensitivity of areas to contain prehistoric and historic archaeological resources based on the principles outlined above. Sensitivity is considered in terms of high, moderate, and low sensitivity. Highly sensitive areas are those that, based on objective criteria, would be preferred settlement locations. Moderately sensitive areas are those that might meet some of the criteria that would make them favorable for settlement, but not others. Low sensitivity areas are those with aggravating factors, such as permanently moist soils, excessive slopes, or comprehensive

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subsurface disturbance from previous earthmoving activities which would make them undesirable as settlement locations or unlikely for the survival of intact or NRHP eligible archaeological resources.

For prehistoric site sensitivity, as discussed above, proximity to sources of fresh water, slope, and well-drained soils may be used to rank areas according to sensitivity (Table 4.1). In the case of historic sites, proximity to settled areas, roads, and representation on historic maps form the basis for stratification (Table 4.2). For industrial sites, proximity to waterpower sources, railroad lines, and representation on historic maps are used as predictors (Table 4.3).

Table 4.1: Prehistoric Archaeological Site Sensitivity.

High Sensitivity	Moderate Sensitivity	Low Sensitivity
0-250 meters from fresh water 0-10 percent slopes Excessively well drained to well-drained soils	250-450 meters from fresh water 10-20 percent slopes Well-drained to moderately well-drained soils	More than 450 meters from fresh water Slopes in excess of 20 percent Poorly drained soils

Table 4.2: Historic Archaeological Site Sensitivity.

High Sensitivity	Moderate Sensitivity	Low Sensitivity
0-100 meters from historic roads or settlement nodes 0-10 percent slopes Representation on historic maps	100-200 meters from historic roads or settlement nodes 10-20 percent slopes No representation on historic maps	More than 200 meters from historic roads or settlement nodes Slopes in excess of 20 percent No representation on historic maps

Table 4.3: Industrial Archaeological Site Sensitivity.

High Sensitivity	Moderate Sensitivity	Low Sensitivity
0-100 meters from flowing water or railroad line Proximity to raw materials Representation on historic maps	100-200 meters from flowing water or railroad line No representation on historic maps	More than 200 meters from flowing water or railroad line No representation on historic maps

R2-0007817

SECTION 5.0 ARCHAEOLOGICAL FIELDWORK AND RESULTS

This section presents the results of the field reconnaissance and an assessment of archaeological sensitivity within the APE. Zones of archaeological sensitivity were delineated on the basis of cartographic evidence, including soil, topographic, and historic maps, field observations rendered during field reconnaissance, and the review of soil information from geoprobe soil boring logs conducted within the APE.

The assessment of archaeological resources sensitivity is determined on the basis of the potential for archaeological sites to exist in a given area, and the likelihood for the survival of intact cultural resources. The potential presence of prehistoric resources is based upon topographic setting, proximity to water, soil quality, and other environmental characteristics and predictive models based upon prehistoric land use patterns. The potential presence of historic resources is typically determined on the basis of historic cartographic documentary evidence. Sensitivity is an evaluation of the probability that intact archaeological resources exist in a given area and is determined by assessing the extent to which disturbance associated with earthmoving activities may have affected the information value of undocumented archaeological resources in high potential areas. Sensitivity is ranked as high, medium, or low. Archaeologically sensitive areas were identified based on topographic features, vegetation, and soils. Areas exhibiting evidence of disturbance are considered to have low sensitivity and unlikely to contain intact archaeological resources.

5.1 Field Methods and Procedures

Fieldwork for the project consisted of site reconnaissance of the APE, which was conducted on November 1, 2011. Extensive photography was conducted during the site reconnaissance to document existing conditions. The photo locations and angles are presented on an aerial map of the APE (Figure 5.1). Photography in the residential, commercial, and industrial portions of the APE was limited to streetscapes and areas accessible outside property fencing. Data from geoprobe soil boring logs was reviewed to confirm evidence suggesting the degree of previous disturbance of portions of the APE (CDM 2010).

5.2 Results

Portions of the APE possess high and moderate sensitivity for archaeological resources. The Cidra Municipal Cemetery is present within the western portion of the APE. This cemetery was established during the nineteenth century, and is visible on the earliest detailed maps of the

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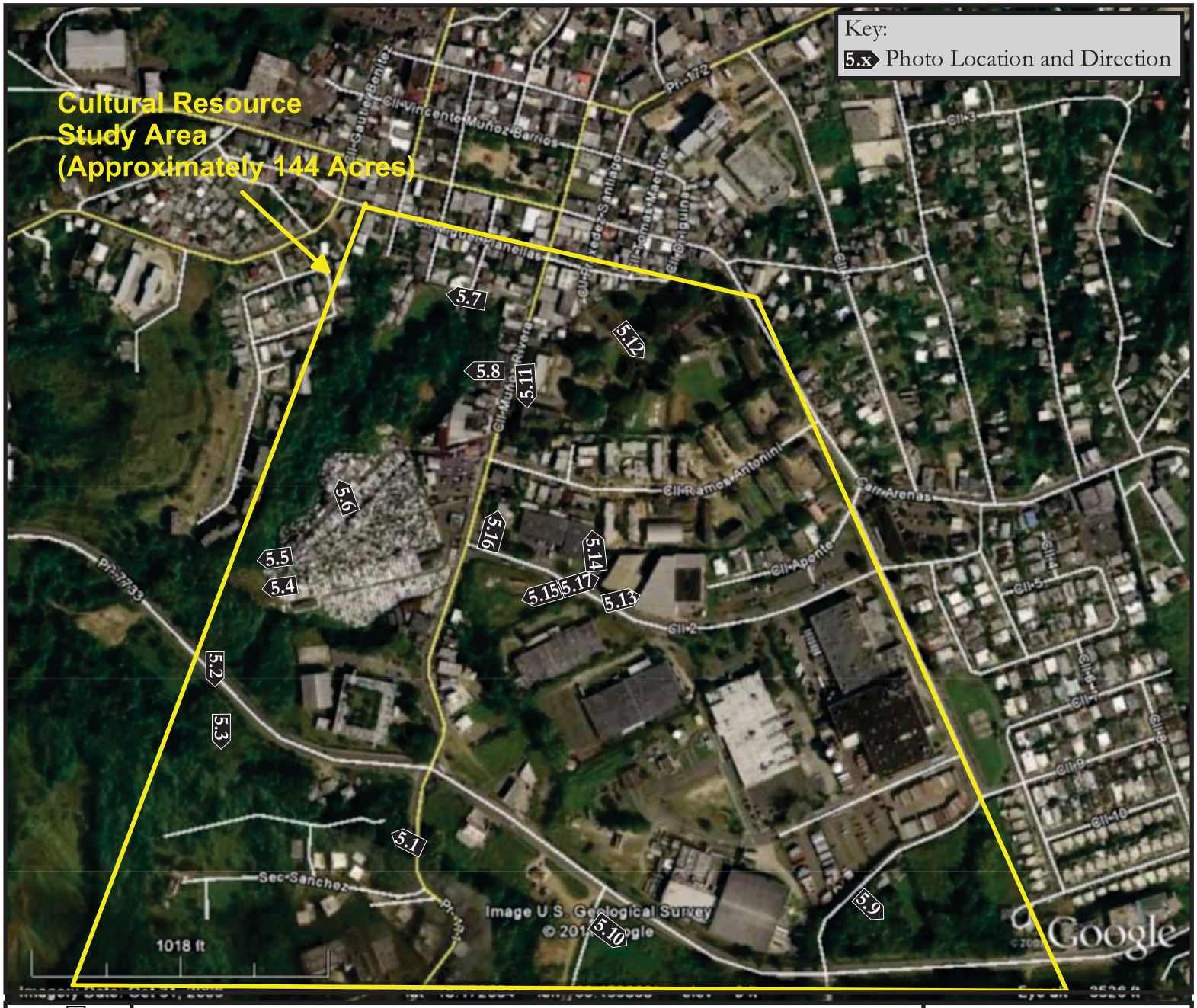

Figure 5.1:

Aerial Map of the Cultural Resource Study Area showing photo locations.

N W E S

Feet

0 500

R2-0007820

community of Cidra from the 1880s (see Figure 3.4). Portions of the APE near this cemetery possess a high sensitivity for unmarked historic burials. Zones of sensitivity for archaeological resources are depicted on a U.S.G.S. map (Figure 5.2). Other portions of the APE possess steeply sloping topography or extensive evidence of disturbance associated with previous earthmoving activities and are assessed to possess moderate to low sensitivity for the survival of intact archaeological resources.

The APE is situated along the Arroyata River approximately eight kilometers from its confluence with the La Plata River to the northwest of the APE (Plates 5.1). Field reconnaissance indicated that the banks of the river are approximately one to two meters above the thalweg of the creek in the APE. Geoprobe soil boring logs indicate up to 75 feet of clay and sandy clay soils (see, for example, CCSB-01, CCSB-08, and CCSB-09) throughout the APE (CDM 2007).

High Sensitivity Areas

Areas of high sensitivity for prehistoric, historic, and early industrial archaeological resources include level, well-drained portions of the APE within proximity to fresh water. The zone possessing high sensitivity for archaeological resources is situated within the western perimeter of the APE (see Figure 5.2). Relatively level, well-drained areas within proximity to the Arroyata River which lack obvious evidence of previous disturbance have been identified (Plates 5.2 and 5.3). To the north, the Municipal Cemetery of Cidra is situated within the western portion of the APE. Historic cartographic evidence indicates that this cemetery was established at least by the 1880s (see Figure 3.4). Grave markers at the western end of the cemetery appear to exhibit evidence of having been relocated during expansions to the cemetery (Plates 5.4 and 5.5). The precise boundaries, and locations of early graves within the boundaries of nineteenth century cemeteries are often not accurately depicted in historic documentation. As a result, associated historic burials are often identified outside the recorded cemetery limits. Areas near this cemetery are assessed to possess a high sensitivity for historic burials.

To the north of the cemetery a small unnamed drainage, or ravine, extends from the northeast to the northwest entering the Arroyata River to the west of the cemetery. This portion of the APE is heavily forested and level areas possess a high sensitivity for archaeological resources (Plate 5.6). To the north of the drainage a flat area is situated behind extant residences (Plate 5.7). This portion of the APE possesses a high sensitivity for prehistoric archaeological resources, and for historic resources associated with structures depicted in the vicinity in the 1880s (see Figure 3.4). Other areas in the western portion of the APE are comprised of forested land in relatively level terrain and possess high sensitivity (Plate 5.8).

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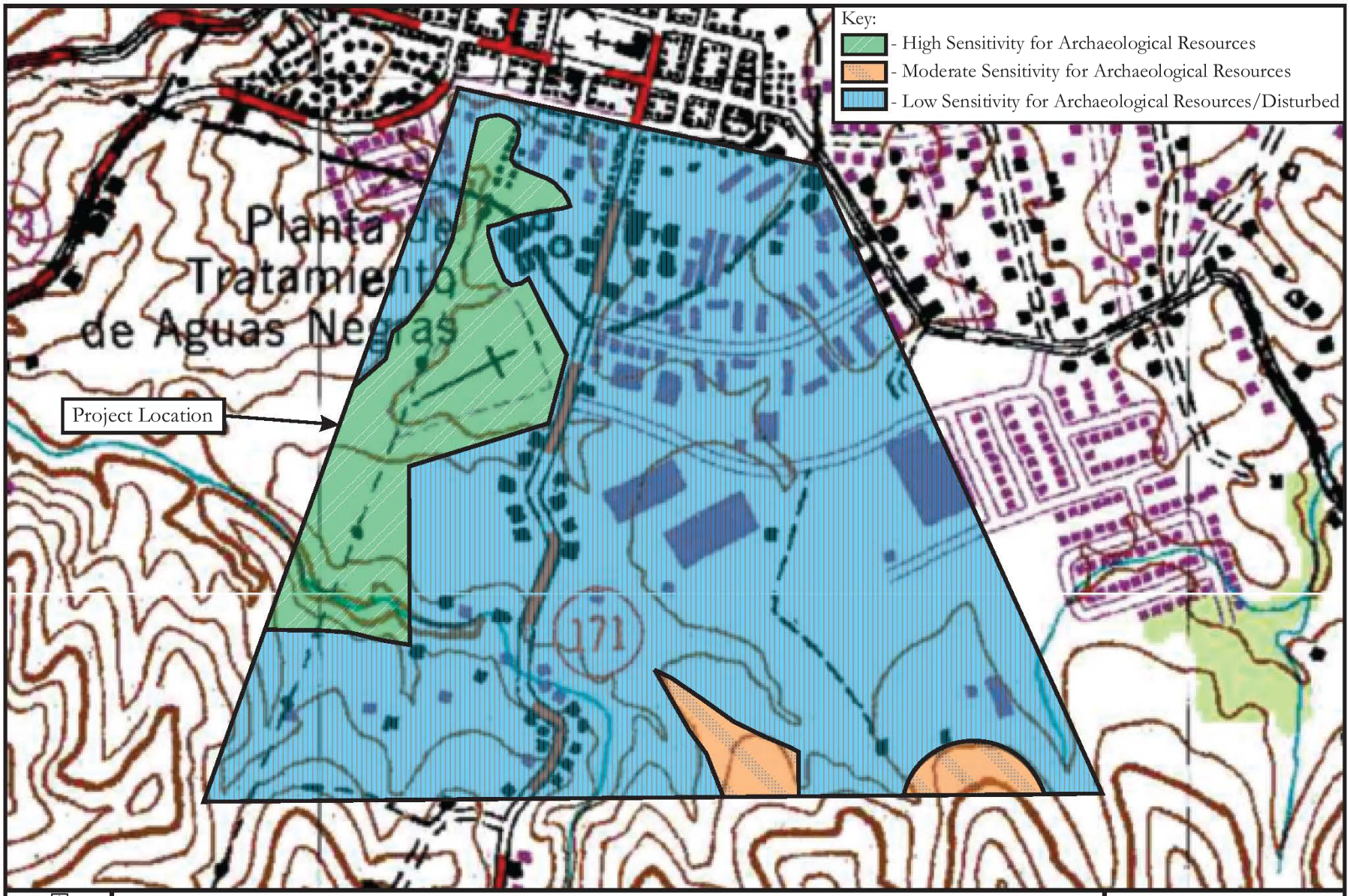

Figure 5.2:

U.S.G.S. Map of Cultural Resource Study Area,
showing areas of high, moderate, and low archaeological sensitivity.

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Moderate Sensitivity Areas

Areas of moderate sensitivity, on the basis of slope and soil type, are situated in the southern and southeastern portions of the APE (see Figure 5.2). These portions of the APE are comprised of Daguey clay loam (DaD), ranging from 12 to 20 percent slope (Plates 5.9 and 5.10) and are situated near an unnamed tributary which flows to the northeast entering Lake Cidra outside the APE. The slope and soil type render these portions of the APE less likely for the presence of archaeological resources than more level areas with good soils closer to waterways.

Low Sensitivity/Disturbed Areas

Portions of the APE have experienced extensive development and possess a low sensitivity due to disturbance associated with late twentieth to early twenty-first century development (see Figure 3.5). Though downtown Cidra is situated to the north outside the APE, some residential and commercial areas, including a closed school, are situated within the northern portion of the APE and along Route 171 (see Figures 3.5 and 5.2; Plates 5.11 to 5.12). Intensive land development with minimal yard areas or open space renders these portions of the APE less likely for the survival of intact archaeological resources (see Figure 5.1; Plates 5.22 and 5.23). Industrial development of the APE has primarily occurred in the second half of the twentieth century, at which time heavy machinery was likely used to grade and fill the areas (Plate 5.13 to 5.15). Evidence of drainage channelization attests to the widespread grading disturbance within the APE (Plates 5.16 to 5.17). These portions of the APE possess a low sensitivity due to disturbance associated with the intensive late twentieth to early twenty-first century development. Parking lots and yard areas, however, within the northern portion of the APE and along Route 171, may possess potential for deep historic features, such as wells or privies associated with nineteenth century structures depicted on historic maps in these areas (see Figures 3.4 and 3.5).

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Plate 5.1:

Overview of Creek.
Photo view: Northwest
Photographer: Michael L. Young
Date: November 1, 2011

R2-0007824

Plate 5.2:

Overview of the field and forested area in western part of the APE.
Photo view: South
Photographer: Michael L. Young
Date: November 1, 2011

R2-0007825

Plate 5.3:

Overview of forested area in western part of the APE.
Photo view: South
Photographer: Michael L. Young
Date: November 1, 2011

R2-0007826

Plate 5.4:

Overview of the western portion of the cemetery.
Photo view: West
Photographer: Michael L. Young
Date: November 1, 2011

R2-0007827

Plate 5.5:

Overview of the western portion of cemetery.
Photo view: West
Photographer: Michael L. Young
Date: November 1, 2011

R2-0007828

Plate 5.6:

Overview of the forested area in northwestern part of the APE.
Photo view: Northwest
Photographer: Michael L. Young
Date: November 1, 2011

R2-0007829

Plate 5.7:

Overview of forested area with houses in the background in the northwestern portion of the APE.
Photo view: West
Photographer: Michael L. Young
Date: November 1, 2011

R2-0007830

Plate 5.8:

Overview of the forested area in northwestern portion of the APE.
Photo view: West
Photographer: Michael L. Young
Date: November 1, 2011

R2-0007831

Plate 5.9:

Overview of the forested area in southeastern portion of the APE.
Photo view: Southeast
Photographer: Michael L. Young
Date: November 1, 2011

R2-0007832

Plate 5.10:

Overview of field area in southern portion of the APE.
Photo view: Southeast
Photographer: Michael L. Young
Date: November 1, 2011

R2-0007833

Plate 5.11:

Overview of the southern section of downtown Cidra within the APE.
Photo view: Southeast
Photographer: Michael L. Young
Date: November 1, 2011

R2-0007834

Plate 5.12:

Overview of abandoned school.
Photo view: Southeast
Photographer: Michael L. Young
Date: November 1, 2011

R2-0007835

Plate 5.13:

Overview of the industrial section of Cidra within the APE.
Photo view: Northeast
Photographer: Michael L. Young
Date: November 1, 2011

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Plate 5.14:

Overview of the industrial section of Cidra within the APE.
Photo view: North
Photographer: Michael L. Young
Date: November 1, 2011

R2-0007837

Plate 5.15:

Overview of the industrial section of Cidra within the APE.
Photo view: Southwest
Photographer: Michael L. Young
Date: November 1, 2011

R2-0007838

Plate 5.16:

Overview of grading and drainage channelization within the industrial section.
Photo view: North
Photographer: Michael L. Young
Date: November 1, 2011

R2-0007839

Plate 5.17:

Overview of grading and drainage channelization within the industrial section.
Photo view: North
Photographer: Michael L. Young
Date: November 1, 2011

R2-0007840

SECTION 6.0 CONCLUSIONS AND RECOMMENDATIONS

Richard Grubb & Associates conducted a Stage IA cultural resources survey for the Cidra Groundwater Contamination Site. The APE consists of approximately 144 acres in the Municipality of Cidra in the east central mountain section of Puerto Rico.

The primary goal of the Stage IA cultural resources survey was to assess the archaeological sensitivity of the APE. Portions of the APE possess high and moderate sensitivity for archaeological resources. Historic evidence indicates that the Cidra Municipal Cemetery was established in the APE at least by the 1880s. Grave markers at the western end of the cemetery appear to exhibit evidence of having been relocated during expansions to the cemetery. The precise boundaries of nineteenth century cemeteries are often not accurately depicted in historic records, and associated historic burials are often identified outside recorded cemetery limits. Areas near this cemetery are assessed to possess a high sensitivity for historic burials. Elsewhere, in the western and southern portion of the APE, zones of high and moderate sensitivity for archaeological resources have been delineated on the basis of cartographic evidence, field reconnaissance, and the review of geoprobe soil boring logs. Other portions of the APE possess extensive evidence of disturbance associated with previous earthmoving activities and are assessed to possess low sensitivity for the survival of intact archaeological resources. Parking lots and yard areas, however, within the northern portion of the low sensitivity zone and along Route 171, may possess potential for deep historic features such as wells or privies associated with nineteenth century structures depicted on historic maps in these areas.

A Stage IB cultural resource survey is recommended if proposed subsurface disturbance for remediation is planned within zones of high or moderate archaeological sensitivity. A close consideration of the location of proposed impacts is also recommended if subsurface disturbance will occur in the low sensitivity zone, to determine whether small paved or open areas may possess potential for deep historic features.

R2-0007841

SECTION 7.0 REFERENCES CITED

Abbad y Lasierra, Iñigo
1970 Historia Geográfica, Civil y Natural de la Isla de San Juan Bautista de Puerto Rico. Editorial de la Universidad de Puerto Rico. San Juan, Puerto Rico, 1970.

Alegría, Ricardo E.
1975 Los Dibujos Puertorriqueños del Naturalista Frances Augusto Plee (1821-1823). Separata de la Revista del Instituto de Cultura Puertorriqueña, num. 68/ Julio-Septiembre, 1975.

Blanch, José
1894 Directorio comercial e Industrial de la isla de Puerto Rico para 1894 : Formado con relaciones oficiales remitidas por los sres. alcaldes municipales de cada localidad y compiladas. Puerto Rico: tip. al vap. de "La Correspondencia", 1894.

2011 Córdova, Pedro Tomás de. *Memoria sobre todos los ramos de la administración de la isla de Puerto Rico.* San Juan, P.R. : Academia Puertorriqueña de la Historia, 2001.

Bradford, M. A. C.
2001 Caribbean Perspectives on Settlement Patterns: The Windward Island Study. Doctoral Dissertation, UMI, Ann Arbor, Michigan.

Callaghan, Richard T.
2007 Prehistoric Settlement Patterns on St. Vincent, West Indies. *Caribbean Journal of Science* 43(1):11-22.

CDM
2007 Draft Geoprobe Soil Boring Logs, Cidra, Puerto Rico. Completed November to December 2007.

Conselo para la Proteccion del Patrimonio Arquelogico Terrestre de Puerto Rico
1992 *Reglamento Para Investigaciones de Recursos Arqueologicos Terrestres,* San Juan, Puerto Rico.

Córdova, Pedro Tomás de.
2001 *Memoria sobre todos los ramos de la administración de la isla de Puerto Rico / por Pedro Tomás de Córdoba.* San Juan, P.R. : Academia Puertorriqueña de la Historia.

Curet, Antonio
1992 The Development of Chiefdoms in the Greater Antilles: A Regional Study of the Valley of Maunabo, Puerto Rico. Doctoral Dissertation, UMI, Ann Arbor, Michigan.

Haviser, J. G.
1997 Settlement Strategies in the Early Ceramic Age. In *The Indigenous People of the Caribbean*, S. M. Wilson, ed., pp. 57-69. University of Florida Press, Gainesville.

Historic American Engineering Record
2011 Faro de Punta Tuna, Punta Tuna, Emajagua, Maunabo, PR. Accessed on October 5, 2011. http://hdl.loc.gov/loc.pnp/hhh.pr0032

Ortiz-Aguilú, J. J.
2001 Unpublished Manuscript, San Juan, Puerto Rico.

Ortiz Ortiz, Frances
1986 *Cidra : notas para su historia.* San Juan, P. R. : Comité Historia de los Pueblos.

R2-0007843

Pagán, Ferreras J.
1902 Biografía de las riquezas de Puerto Rico. San Juan, P.R.: L. Ferreras, 1902

Pico, Rafael
1974 *The Geography of Puerto Rico*. Aldine Publishing Company, Chicago, Illinois.

Sepúlveda Rivera, Aníbal
2004 Puerto Rico Urbano, Atlas Histórico de la Ciudad Puertorriqueña. Volumen 1 [de 4]: La Memoria Olvidada 1508-1820s. San Juan, PR: CARIMAR, 2004.

2004 Puerto Rico Urbano, Atlas Histórico de la Ciudad Puertorriqueña. Volumen 2 [de 4]: Domesticación del territorio 1830s-1880s. San Juan, PR: CARIMAR, 2004.

2004 Puerto Rico Urbano, Atlas Histórico de la Ciudad Puertorriqueña. Volumen 3 [de 4]: Entresiglos 1890s-1910s. San Juan, PR: CARIMAR, 2004.

2004 Puerto Rico Urbano, Atlas Histórico de la Ciudad Puertorriqueña. Volumen 4 [de 4]:En clave de gris 1920s-2000s. San Juan, PR: CARIMAR, 2004.

Stokes, Anne V. and William F. Keegan
1996 A Reconnaissance for Prehistoric Archaeological Sites on Grand Cayman. *Caribbean Journal of Science* 32(4):425-430.

Toro Sugrañes, José A.
1971 Maunabo : su historia geográfica, civil y natural. Río Piedras, P.R. : [s.n.], 1971.

1985 Maunabo : notas para su historia. San Juan, P.R. : Oficina Estatal de Preservación Histórica de La Fortaleza, 1985.

Ubeda and Delgado, Manuel
1998 *Isla de Puerto Rico : estudio histórico geográfico y estadístico de la misma / por don Manuel Ubeda y Delgado.* San Juan, P.R. Academia Puertorriqueña de la Historia, 1998.

United States Geological Survey (U.S.G.S.)
1957 7.5 minute quadrangle*:* Comerio, PR, photorevised 1982.

Wilson, Samuel M.
2007 *The Archaeology of the Caribbean*. Cambridge University Press, New York, New York.

Archivo Cartográfico y de Estudios Geográficos del Centro Geográfico del Ejército, Ministerio de Defensa, España.

SG.Ar.D.T4.C2.42, Plano corográfico de la Isla de Sn. Juan Bautista de Puerto Rico. Alexander Jourdas direxcit. - Escala indeterminada. - [España] : J. E. T., 1837

Caja 9, 91.3 Croquis de la Cidra / Cuerpo de Estado Mayor del Ejército. Sección de Puerto Rico. Comisión Topográfica de 1886. - Escala 1:5000. - 1886.

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APPENDIX A: PROFESSIONAL QUALIFICATIONS

Richard Grubb & Associates, Inc.
Cultural Resource Consultants
DBE/WBE/SBE Certified
email: mail@richardgrubb.com ● www.richardgrubb.com

Michael L. Young, Principal Senior Archaeologist (36 CFR 61)

Years of Experience
With this firm-12
With other firms-5

Education
In Progress
Post-Graduate Research
University of Leicester,
Leicester, UK
Archaeology and Ancient History

MA 1997
New York University
Anthropology

BA 1992
Hamilton College
Anthropology

Professional Registration
Register of Professional Archaeologists (RPA)

Professional Societies
Society for American Archaeology

Society for Historical Archaeology

Council for Northeast Historical Archaeology

Professional Training
40- Hour Health and Safety Training for Hazardous Waste Operations and Emergency Responses to meet the requirements of OSHA (29 CFR 1910. 120) December 2010

Section 106: An Introduction, National Preservation Institute Seminar, Washington, D.C., May 2005

Bureau of Land Management Internship, Redding, CA 1992

Professional Experience Summary:

Michael Young's experience includes applying Section 106 of the National Historic Preservation Act, as amended, and other relevant state and municipal laws. Mr. Young has served as a Principal Investigator on Phase I/II/III archaeological investigations and monitoring projects, and specializes in historic and prehistoric archaeology.

Representative Project Experience:

Coconut Walk Estate, Nevis, Caribbean (Sponsor: Nevis Historical & Conservation Society)
Field Director for multiple Earthwatch expeditions to the Coconut Walk Sugar Plantation and late nineteenth-century sugar laborer's housing on Nevis in the Lesser Antilles, in operation from 1690 to 1950. Excavation focused upon the plantation works and kitchen, and the quarters of enslaved and emancipated African laborers. Managed several crews of volunteers. Directed excavation, mapping, and laboratory processing of artifacts.

Salvage Excavation, Nevis, Caribbean (Sponsor: Nevis Historical & Conservation Society)
Developed and executed a plan for the salvage of significant information form an endangered contact-period native Caribbean site within plantation fields. Site undergoing damage from continuing erosion. Salvage excavations yielded numerous pottery and lithic artifacts, a musket ball, and a hearth feature.

Analysis of Colono-Ware (African-Caribbean) Pottery, Galways Plantation, Montserrat, Caribbean (Sponsor: New York University)
Analyzed, catalogued, and developed a descriptive paste typology for the assemblage of Colono-Ware/African-Caribbean Pottery from Galways Plantation, Montserrat. The material, which was previously excavated prior to the eruption of the volcano on the island, represents some of the final remaining archaeological evidence of the island's history.

Diaz Chemical Corporation Site, Village of Holley, Orleans County, New York (Sponsor: Environmental Protection Agency)
Directed Stage IA cultural resources survey of a 107.44-acre Investigation Area subject to impacts from remediation of hazardous materials contamination. Areas of high, moderate, and low sensitivity for historic and prehistoric archaeological resources were identified.

Relevant Professional Publications and Presentations:

2010 Technological Style and the Atlantic World System: A Case Study in African-Caribbean Pottery from Montserrat, Paper presented at the 75th Annual Meeting of the Society for American Archaeology, Saint Louis, Missouri.

2007 An Independent Economy: A Study of Colono Ware Ceramics from Galways Village, Montserrat. Paper presented at the 40th Annual Meeting of the Society for Historical Archaeology, Williamsburg Lodge, Williamsburg, Virginia.

2002 *Technological Style and Typology: A Study of Colono Ware Ceramics from Galways Village, Montserrat.* Volumes in Historical Archaeology Series, Number 42, Stanley South, series editor. South Carolina Institute of Anthropology and Archaeology, University of South Carolina, Columbia, South Carolina.

APPENDIX B: PROPERTIES LISTED ON THE NATIONAL REGISTER, THE LIST OF SITES AND HSITORIC ZONES OF THE PUERTO RICO PLANNING BOARD, AND THE HISTORIC AMERICAN ENGINEERING RECORD

National Register of Historic Places (NRHP)

The National Register of Historic Places does not contain properties within the municipality of Cidra (Marull 2011). Furthermore no properties are being considered for inclusion to the NRHP at the moment.

Listado de Sitios y Zonas Historicas [List of Sites and Historic Zones], Puerto Rico Planning Board

The *Listado de Sitios y Zonas Históricas* has no historic properties or zones for the municipality of Cidra.

Historic American Engineering Record (HAER)

The Historic American Engineering Record lists two structures and these are not located within the study radius (Pumarada O'Neill 1978):

1. Puente del Lago de Cidra - built in 1918, is located on Road 784, km. 2.2, within the Bayamón ward.
2. Puente del Plata (Bridge 466) - built in 1893, is located on Road 735, km. 1.62.

APPENDIX C: PREVIOUSLY RECORDED SITE INVENTORY

Reference code CAT: PRCD001
Reference code SHPO: CD0100001
Name of the site: Toíta (Cidra 1)
Ward/Sector: Toíta/ not indicated
Description: batey 31 x 27 meters
Metric area: 190 x 95 meters
Cultural materials: Faunal remains, precolumbian ceremic, shell midden, lithics, burials, shells
Cultural component: Cuevas, Santa Elena, Capá, Esperanza styles; Period III latter half

Reference code CAT: PRCD002
Reference code SHPO: CD0100002
Name of the site: CD-2
Ward/Sector: Pinas/ not indicated
Description: site consisted of a single prehistoric artifact, indicating the possible presence nearby of other prehistoric remains
Metric area: 15 x 15 meters
Cultural materials: single prehistoric artifact
Cultural component: precolumbian

Reference code CAT: PRCD003
Reference code SHPO: CD0100003
Name of the site: CD-3
Ward/Sector: Pinas/ not indicated
Description: rock shelter on the mountainside, overlooking the river valley, it appears to have been suitable for prehistoric habitation.
Metric area: 60 Xx 75 meters
Cultural materials: not indicated
Cultural component: not indicated

Reference code CAT: PRCD004
Reference code SHPO: CD0100004
Name of the site: CD-4
Ward/Sector: Salto/ not applicable
Description: site is located on a small terrace adjacent to Rio de La Plata. A stone mortar of prehistoric vintage was seen at this location, indicating the possible presence nearby of other prehistoric remains.
Metric area: 30 x 45 meters
Cultural materials: a stone mortar
Cultural component: precolumbian

Reference code CAT: PRCD005
Reference code SHPO: CD0100005
Name of the site: CD-5
Ward/Sector: Salto/ not applicable
Description: site is a large rock shelter on the mountainside, overlooking the river valley, it appears to have been suitable for prehistoric habitation.
Metric area: 30 x 15 meters
Cultural materials: not indicated
Cultural component: precolumbian

Reference code CAT: PRCD006
Reference code SHPO: CD0100006
Name of the site: CD-6
Ward/Sector: Salto/ not applicable
Description: while no prehistoric remains were observed, this location is an unusual natural pool in the normally shallow Rio de la Plata.
Metric area: 60 x 90 meters
Cultural materials: none
Cultural component: precolumbian

Reference code CAT: PRCD007
Reference code SHPO: CD0100007
Name of the site: CD-7, Guaynabo site
Ward/Sector: Salto/ not applicable
Description: this is a large settlement site, containing abundant prehistoric artifactual remains, it may be the site of the aboriginal settlement named "Guaynabo
Metric area: 606 x 122 meters
Cultural materials: precolumbian ceramics, shells and lithics scattered on surface
Cultural component: pre-Columbian

APPENDIX D: PREVIOUS CULTURAL RESOURCES SURVEYS

ARENAS WARD

IA
Sector not reported
Parcel: 3.410 cuerdas
October 1995
Project name: Mini-Estación de Trasbordo
Agency/Developer: UNIPRO
Principal Investigator: Jaime G. Vélez Vélez
Reference code CAT: CD-95-03-04
Reference code SHPO: n/a
Does not indicate archaeological potential
Does not recommend additional studies.

IA/IB
Sector not indicated
Parcel: not reported
April 1994
Project name: Mejoras al Sistema Sanitario de las Comunidades Gándara y Santa Clara
Agency/Developer: AAA
Principal Investigator: Adalberto Maurás
Reference code CAT: CD-94-03-01
Reference code SHPO: 09-08-94-02
Does not indicate archaeological potential
Intuitive surface survey
369 shovel test pits were excavated at intervals of 35-50 meters
Does not report evidence of cultural resources within the project area.
Does not recommend additional studies.

IA/IB
Sector: not reported
Parcel: not reported
January 1996
Project name: Reemplazo del Puente sobre el Lago Cidra, Carretera PR-172
Agency/Developer: Izquierdo, Rueda & Associates
Principal Investigator: Investigaciones Arqueológicas del Sur
Reference code CAT: CD-96-04-02
Reference code SHPO: 04-23-96-04
Does not indicate archaeological potential
Systematic surface survey
6 shovel test pits were excavated.
Does not report evidence of cultural resources within the project area.
Does not recommend additional studies.

IA/IB
Sector: not reported
Parcel: 19.20 cuerdas
May 1996
Project name: Alturas de Arenas
Agency/Developer: Agrimensor Daniel Gómez Marrero
Principal Investigator: Juan González Colón
Reference code CAT: CD-96-04-01
Reference code SHPO: n/a

Does not indicate archaeological potential
Intuitive surface survey
38 shovel test pits were excavated.
Does not report evidence of cultural resources within the project area.
Does not recommend additional studies

IA/IB
Sector: not reported
Parcel: 5 cuerdas
May 1997
Project name: Escuela Elemental Urban Santa Clara
Agency/Developer: Autoridad de Edificios Públicos
Principal Investigator: Adalberto Maurás
Reference code CAT: CD-97-05-06
Reference code SHPO: n/a

Does not indicate archaeological potential
Intuitive surface survey
6 shovel test pits were excavated on 2 transects.
Does not report evidence of cultural resources within the project area.
Does not recommend additional studies.

BAYAMON WARD

IA
Sector: not reported
Parcel: 1 cuerda
December 1997
Project name: Desarrollo del Proyecto Comercial
Agency/Developer: La Constructora
Principal Investigator: Miguel Rodriguez Lopez
Reference code CAT: CD-97-05-04
Reference code SHPO: n/a

Does not indicate archaeological potential
Does not recommend additional studies.

IA
Sector: not reported
Linear project: 35 kilometers
June 2002
Project name: Sistema de Distribución de Agua de Cidra Bos. Bayamon de Cidra y Cañaboncito de Caguas
Agency/Developer: José Meléndez & Asociados
Principal Investigator: Antonio Daubón Vidal
Reference code CAT: CD-02-07-07
Reference code SHPO: n/a
Does not indicate archaeological potential
Recommends an archaeological monitoring.

IA
Ward Bayamón
Sector: not reported
Parcel: 4 cuerdas
Deecmber 2003
Project name: Mejoras a calles municipales para Hotel Treasure Island
Agency/Developer: Hon. Angel L. Malavé Zayas
Principal Investigator: Fernando Alvarado Muñoz
Reference code CAT: 09-21-01-01
Reference code SHPO: 09-28-01-01
Does not indicate archaeological potential
Recommends additional studies.

IA
Sector: not reported
Parcel: 10.5 cuerdas
November 1998
Project name: Berrios Shopping Center
Agency/Developer: ARCHICORP Architects & Engineers
Principal Investigator: Virginia Rivera Calderón
Reference code CAT: CD-98-05-09
Reference code SHPO: n/a
Does not indicate archaeological potential
Intuitive surface survey
11 shovel test pits were excavated.
Does not report evidence of cultural resources within the project area.
Does not recommend additional studies.

IA/IB
Sector: not reported
Parcel: 19.20 cuerdas
June 1996
Project name: Desarrollo de Solares
Agency/Developer: Agri. Daniel Gómez Marrero
Principal Investigator: Juan González Colón
Reference code CAT: CD-96-04-04
Reference code SHPO: n/a

Does not indicate archaeological potential
Intuitive surface survey
38 shovel test pits were excavated.
Does not report evidence of cultural resources within the project area.
Does not recommend additional studies.

IA/IB
Sector: not reported
Linear project: 290 meters
March 1994
Project name: relocation of the Access to El Jíbaro Industrial Park, Carretera PR-172, km. 13.5
Agency/Developer: Erwin U. Rodríguez & Associates
Principal Investigator: Armando Martí Carvajal
Reference code CAT: CD-94-03-02
Reference code SHPO: n/a

Does not indicate archaeological potential
Intuitive surface survey
No shovel test pits were excavated.
Does not report evidence of cultural resources within the project area.
Does not recommend additional studies.

IA/IB
Ward Bayamón
Sector: not reported
Parcel: 2 cuerdas
April 1998
Project name: Centro de Oficinas Médicas COSSMA PR 172, km. 13.5 Avenida Industrial El Jíbaro
Agency/Developer: Arq. Joaquín Berdasco
Principal Investigator: Marisol Rodríguez Miranda
Reference code CAT: n/a
Reference code SHPO:03-21-97-03

Does not indicate archaeological potential
Intuitive surface survey
5 shovel test pits were excavated at intervals of 50-meters
Does not report evidence of cultural resources within the project area.
Does not recommend additional studies.

IA/IB
Sector: not reported
Linear project: 500 meters
April 2002
Project name: Puente Paralelo al Puente #386 sobre el Lago de Cidra en la Carretera PR-172 km.12.9
Agency/Developer: Rueda y Asociados
Principal Investigator: Jaqueline López Meléndez
Reference code CAT: CD-02-07-06
Reference code SHPO:04-23-96-04

Does not indicate archaeological potential
Intuitive surface survey
No shovel test pits were excavated.
Does not report evidence of cultural resources within the project area.
Does not recommend additional studies.

IA/IB
Sector: not reported
Parcel: 5 cuerdas
October 2002
Project name: Estancias de Santa Clara
Agency/Developer: Wilfredo Walters
Principal Investigator: Adalberto Maurás
Reference code CAT: CD-02-08-02
Reference code SHPO: n/a

Indicates archaeological potential
Intuitive surface survey
No shovel test pits were excavated.
Does not report evidence of cultural resources within the project area.
Does not recommend additional studies.

IB
Ward n/a
Sector: not reported
Parcel: 15 cuerdas
February 1994
Project name: Nuevas Facilidades Fisicas Mueblerias Berrios
Agency/Developer: Rivera-Alejandro
Principal Investigator: Iván Méndez Bonilla
Reference code CAT: CD-94-03-03
Reference code SHPO: n/a

Does not indicate archaeological potential
Intuitive surface survey
33 shovel tests were excavated at intervals of 25-meters.
Does not report evidence of cultural resources within the project area.
Does not recommend additional studies.

BAYAMON AND MONTELLANO WARDS

IB
Sector: not reported
Linear project: 4.8 kilometers
December 2002
Project name: Mejoras al Sistema de Distribución de Agua Potable Fase I Segmento A y Parte del B
Agency/Developer: Ing. José de Jesus
Principal Investigator: Adalberto Maurás
Reference code CAT: CD-02-07-08
Reference code SHPO: n/a

Indicates archaeological potential
Intuitive surface survey
87 shovel test pits were excavated at intervals of 50 meters.
Does not report evidence of cultural resources within the project area.
Does not recommend additional studies.

BAYAMON ALDEA WARD

IA/IB
Sector: not reported
Linear project: 560 meters
October 1997
Project name: Reemplazo del Puente Núm. 542 en la PR-172, sobre el Lago de Cidra
Agency/Developer: Autoridad de Carreteras y Transportación
Principal Investigator: Miguel Rodríguez
Reference code CAT: CD-97-05-03
Reference code SHPO: 10-20-97-04

Does not indicate archaeological potential
Systematic surface survey
17 shovel test pits were excavated on 8 transects
Does not report evidence of cultural resources within the project area.
Recommends additional studies.

BEATRIZ, ARENAS AND SUD WARDS

IA/IB
Sector: not reported
Linear project: 6.2 kilometers
May 2000
Project name: Proyecto Conector Este Cidra PR-172
Agency/Developer: María C. Flores
Principal Investigator: Virginia Rivera
Reference code CAT: CD-00-06-06
Reference code SHPO: 12-12-97-02

Does not indicate archaeological potential
Intuitive surface survey
141 shovel test pits were excavated.
Reports evidence of cultural resources within the project area, a rock shelter and a *batey*
Does not recommend additional studies.

CEIBA WARD

IA/IB
Sector: not reported
Parcel: 6.06 cuerdas
April 2001
Project name: Desarrollo de Solares Residenciales
Agency/Developer: Sr. Modesto Santiago
Principal Investigator: Juan González Colón
Reference code CAT: CD-01-07-01
Reference code SHPO: 10-20-97-04

Does not indicate archaeological potential
Surface survey intuitive.
9 shovel test pits were excavated
Does not report evidence of cultural resources within the project area.
Does not recommend additional studies.

IA/IB
Sector: not reported
Parcel: 5.0008 cuerdas
July 2006
Project name: Segregación de 12 Solares y un Remanente PR-173 km. 1.1
Agency/Developer: Sr. Edgardo Miguel Planellas
Principal Investigator: José Rivera Meléndez
Reference code CAT: CD-06-09-04
Reference code SHPO: n/a

Does not indicate archaeological potential
Surface survey intuitive.
13 shovel test pits were excavated at 40-meter intervals in 4 transects.
Does not report evidence of cultural resources within the project area.
Does not recommend additional studies.

MACHETE WARD

IA/IB
Sector: not reported
Linear project: 1 kilometer
May 1991
Project name: Carretera Desvío Cidra (Primer Tramo) desde la Carretera PR-171, km. 11.5 hasta la PR-172
Agency/Developer: Ing. Jorge Rivera
Principal Investigator: Iván Méndez Bonilla
Reference code CAT: CD-91-02-03
Reference code SHPO: 09-23-91-05

Does not indicate archaeological potential
Intuitive surface survey
42 shovel test pits were excavated.
Does not report evidence of cultural resources within the project area.
Does not recommend additional studies.

PUEBLO WARD

IA/IB
Sector: Gándara
Linear project: 609.43 meters
November 1990
Project name: Carretera Desvío Cidra de 609.43 metros desde la Carretera PR-734 hasta intersecar la PR-172
Agency/Developer: Ing. Jorge Rivera
Principal Investigator: Iván Méndez Bonilla
Reference code CAT: CD-90-02-01
Reference code SHPO: 06-14-91-06

Does not indicate archaeological potential
Intuitive surface survey
20 shovel test pits were excavated at 20-meter intervals
Does not report evidence of cultural resources within the project area.
Does not recommend additional studies.

IA/IB
Sector: not reported
Parcel: 7.87 cuerdas
February 1992
Project name: Escuela Vocacional
Agency/Developer: Autoridad de Edificos Publicos
Principal Investigator: Iván Méndez Bonilla
Reference code CAT: CD-92-02-05
Reference code SHPO: n/a

does not indicate archaeological potential
Intuitive surface survey
27 shovel test pits were excavated in transects.
Does not report evidence of cultural resources within the project area.
Does not recommend additional studies.

IA/IB
Sector: not reported
Linear project: not reported
July 2003
Project name: Mejoras al Sistema Sanitario
Agency/Developer: Ing. Frank Collazo
Principal Investigator: Juan González Colón
Reference code CAT: CD-04-08-03
Reference code SHPO: 03-09-04-03

Does not indicate archaeological potential
Intuitive surface survey
76 shovel test pits were excavated at intervals of 25-meters.
Does not report evidence of cultural resources within the project area.
Does not recommend additional studies.

IB
Sector: not reported
Parcel: 1.1599 cuerdas
March 2002
Project name: Nuevo Centro de Gobierno y Casa Alcaldía
Agency/Developer: Praxis Group Corporation
Principal Investigator: Eduardo Questell y Asociados
Reference code CAT: CD-02-07-05
Reference code SHPO:

Does not indicate archaeological potential
Systematic surface survey
7 shovel test pits were excavated at intervals of 25-meters.
Does not report evidence of cultural resources within the project area.
Does not recommend additional studies.

RIO ABAJO WARD

IA/IB
Sector: not reported
Parcel: 10 cuerdas
December 1998
Project name: Escuela Elemental Ciprian Castrodad
Agency/Developer: HOT Consulting Engineer
Principal Investigator: Virginia Rivera Calderón
Reference code CAT: CD-98-05-08
Reference code SHPO: 10-16-98-01
Does not indicate archaeological potential
Intuitive surface survey
18 shovel test pits were excavated at intervals of 50-meters
Does not report evidence of cultural resources within the project area.
Does not recommend additional studies.

SUD WARD

IA/IB
Sector: not reported
Parcel: 10 cuerdas
May 1988
Project name: Valles de Cidra
Agency/Developer:HAFID Development
Principal Investigator: Iván Méndez Bonilla
Reference code CAT: CD-88-01-05
Reference code SHPO: n/a
Does not indicate archaeological potential
Intuitive surface survey
81 shovel test pits were excavated.
Does not report evidence of cultural resources within the project area.
Does not recommend additional studies.

IA/IB
Sector: not reported
Parcel: 10 cuerdas
August 1989
Project name: Cidra-Cayey Sanitary Trunk Sewer
Agency/Developer: AAA
Principal Investigator: Andrés Príncipe Jácome
Reference code CAT: CD-89-01-06
Reference code SHPO: n/a
Does not indicate archaeological potential
Intuitive surface survey
18 shovel test pits were excavated at intervals of 2-meters on 4 transects
Does not report evidence of cultural resources within the project area.
Does not recommend additional studies.

IA/IB
Sector: not reported
Parcel: 11.6 cuerdas
June 2006
Project name: Desarrollo de 29 Lotes G&G Sociedad Especial en Carretera PR-171 (Interior), km. 0.9
Agency/Developer: Ing. Germán Torres
Principal Investigator: Harry Alemán Crespo
Reference code CAT: CD-06-09-03
Reference code SHPO: n/a

Does not indicate archaeological potential
Intuitive surface survey
11 shovel test pits were excavated.
Does not report evidence of cultural resources within the project area.
Does not recommend additional studies.

SUD, BEATRIZ AND ARENAS WARDS

IA
Sector: not reported
Linear project: 12 kilometers
August 2008
Project name: Conector Cidra-Cayey desde la PR-52 o PR-184 hasta el desvio existente en Cidra
Agency/Developer: Gregory L. Morris Engineering
Principal Investigator: Jaime G. Velez Velez
Reference code CAT: CD-08-10-01
Reference code SHPO: n/a

18 shovel test pits were excavated.
Does not report evidence of cultural resources within the project area.
Does not recommend additional studies.

IB
Ward Sud, Beatriz and Arenas
Sector not reported
Linear project: 12 kilometers
August 2009
Project name: Conector Cidra-Cayey desde la PR-52 o PR-184 hasta el desvio existente en Cidra
Agency/Developer: Gregory L. Morris engineering
Principal Investigator: Jaime G. Velez Velez
Reference code CAT: CD-09-10-02
Reference code SHPO: n/a

Excavation of manual and mechanical test pits.
81 shovel test pits were excavated.
Reports evidence of 4 cultural resources within the project area: Residuario Precolombino, Residuario Colonial, Batey Impactado and H-4 (a single colonial ceramic sherd)
Recommend additional studies.

APPENDIX E: ANNOTATED BIBLIOGRAPHY

Authors:	Michael L. Young, RPA, with contributions from Agamemnon G. Pantel, Ph.D., and Paola Schiappacasse, Ph.D.
Title:	Stage IA Cultural Resources Survey, Cidra Groundwater Contamination Site, Municipality of Cidra, Cidra, Puerto Rico
Date:	February 2012
RGA Project No.:	2011-185PR
RGA Database Title:	Cidra
County:	N/A
Municipality:	Municipality of Cidra
Drainage Basin:	Arroyata River, La Plata River, Caribbean Sea
U.S.G.S. Quad:	Comerio, PR
Location:	Cidra, Puerto Rico
Regulation:	Section 106 National Historic Preservation Act
Project Type:	Remedial Investigation/Feasibility Study
Project Sponsor:	United States Environmental Protection Agency, Region 2
Client:	CDM Federal Programs Corporation
Level of Survey:	Stage IA Assessment-level archaeology
Cultural Resources:	Zones of High, Moderate, and Low Sensitivity for Archaeological Resources

Appendix I
Threatened and Endangered Species

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
290 BROADWAY
NEW YORK, NY 10007-1866

JUL 07 2011

RECEIVED
JUL 11 2011
CAMP, DRESSER & McKEE
EDISON, NEW JERSEY

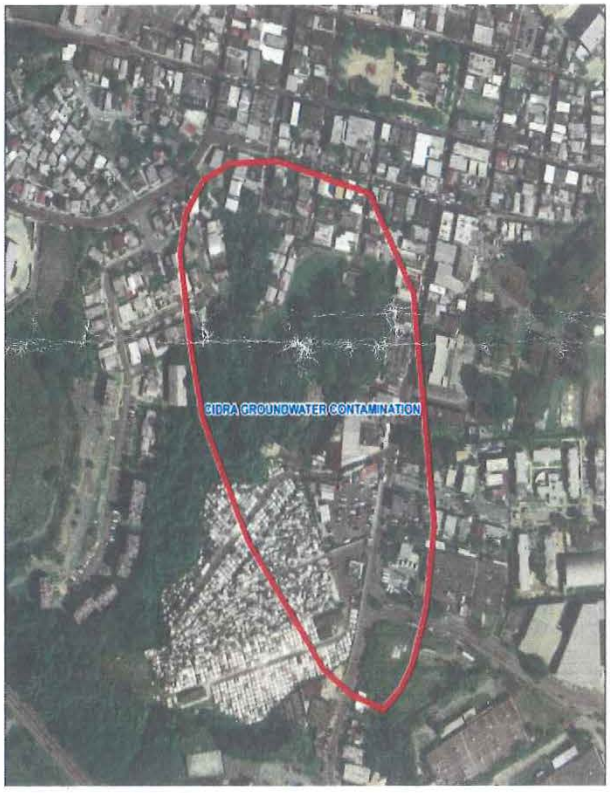
George G. Molnar
Environmental Scientist
CDM Federal
1110 Fieldcrest Avenue, 6th Floor
Edison, New Jersey 08837

Dear Mr. Molnar:

I have received your request for information concerning federally-listed endangered or threatened species or critical habitats located on or in the vicinity of the Cidra Groundwater Contamination Superfund site, located in Cidra, Puerto Rico. This information is needed in support of a screening level ecological risk assessment that is currently underway for this project.

This site consists of a ground water plume with no identified source(s) of contamination, located in the southeastern part of the island (see Figure 1). Four wells in Cidra were closed due to levels of tetrachloroethylene (PCE); other VOCs found include trichloroethylene (TCE) and 1,1-dichloroethylene (1,1-DCE).

Figure 1



R2-0007868

The Environmental Protection Agency (EPA) has reviewed information on the United States Fish & Wildlife Service (FWS) website to determine what, if any, impacts to federally-listed endangered or threatened species or critical habitats are possible as a result of remedial activities at this site. According to FWS's 2007 "Caribbean Endangered Species Map," two federally-listed endangered species can be found in Cidra municipio: the Puerto Rico boa (*Boa puertorriqueña*) and the Puerto Rican Plain pigeon *(Paloma sabanera)*.

The Puerto Rican boa, the largest snake inhabiting Puerto Rico, is found in a variety of habitats, and has some presence throughout most of the municipios within Puerto Rico (see Figure 2). However, no critical habitat has been designated for this species. During the remedial investigation phase of this project, the potential for the Puerto Rican boa and/or its preferred habitat to be impacted by site-related remedial activities should be evaluated. Towards that end, I have enclosed a copy of the 1986 "Puerto Rican Boa Recovery Plan." If site activities may impact the Puerto Rican boa, formal consultation with the FWS may be required.

The Puerto Rican plain pigeon is a typical pigeon that feeds on fruits and seeds. According to the "Caribbean Endangered Species Map," its range includes a number of municipios in Puerto Rico including Cidra (see Figure 3), where it nests in bamboo groves and hardwood canyons. According to Figure 5 of the "Puerto Rican Plain Pigeon Recovery Plan" (see enclosed), the Cidra Groundwater Contamination Superfund Site is located in an area of "less vital habitat" for this species. However, please be aware that areas deemed 'essential habitat" are located nearby. While no critical habitat has been designated for this species, the RI/FS should note whether the Puerto Rican Plain pigeon and/or its preferred habitat could be impacted by this project. If site activities may impact the Puerto Rican Plain pigeon, formal consultation with the FWS may be required.

Please note that should the scope of future investigations or cleanups associated with this site go beyond the approximate boundaries of Figure 1, or should additional species be listed or critical habitat be designated under the Endangered Species Act, a revised determination from this office will be needed. If you require additional information, please feel free to contact me at (212)-637-3759, or by email at ferreira.steve@epa.gov.

Sincerely,

Steven J. Ferreira
Environmental Scientist
Environmental Review Section

Enclosures

bcc: A. Bosque, CEPD-RRB (w/o enclosures)
C. Nace, ERDD-PSB-TST (w/o enclosures)
N. Wirth, DEPP-SPMMPB
S. Ferreira, DEPP-SPMMPB
G. Musumeci, DEPP-SPMMPB (w/o enclosures)
S. Lamster, DEPP-SPMMPB (w/o enclosures)

R2-0007869

Figure 2: Range of the Puerto Rican Boa

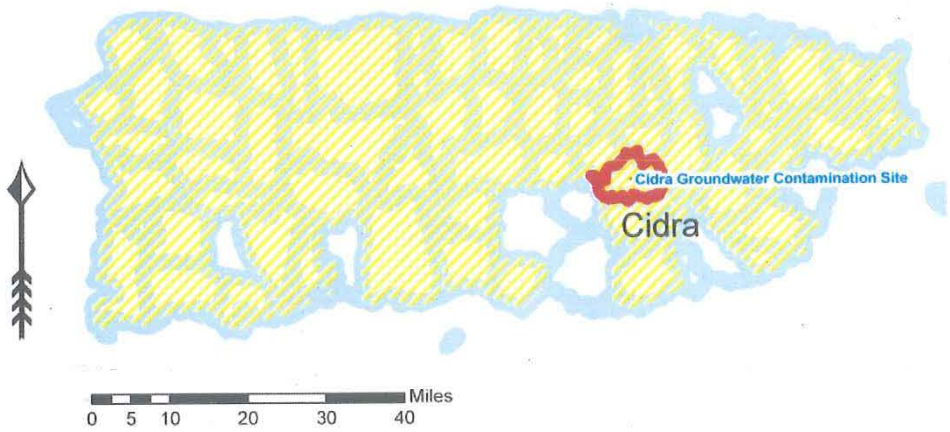
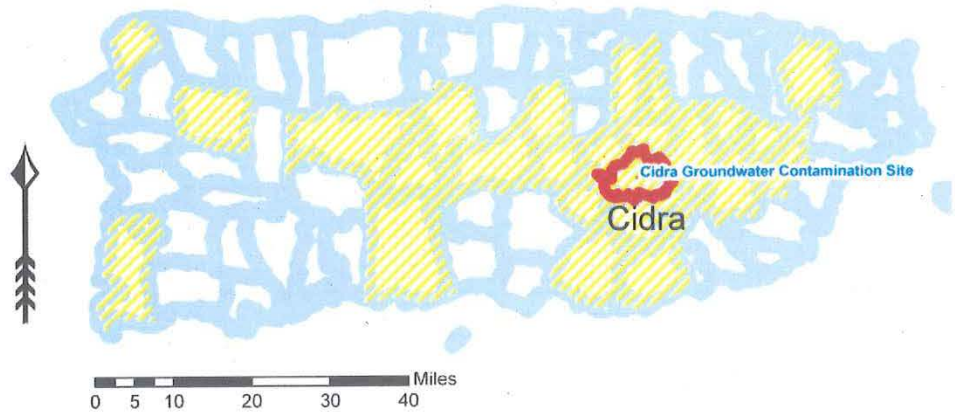


Figure 3: Range of the Puerto Rican Plain Pigeon



http://www.fws.gov/caribbean/es/PDF/Map.pdf

GOVERNMENT OF PUERTO RICO

Department of Natural and Environmental Resources

June 1, 2011

George C. Molnar
Environmental Scientist
CDM Federal Programs Corporation
110 Fieldcrest Avenue, 6th Floor
Edison, New Jersey 08837

Project:	**EPA Region 2 RAC 2 Contract No.: EP-W-09-002** **Work Assignment: 004-RICO-02WE**
DOC CONTROL NO.:	**3320-004-00820**
Subject:	**Information Request, Threatened and Endangered Species** **Cidra Groundwater Contamination Site** **Remedial Investigation/Feasibility Study** **Cidra, Puerto Rico**

Dear Mr. Molnar:

This is a response to your request of information dated April 22, 2011 with respect to the above mentioned subject. The information hereby provided has been obtained based on available data at present in the Natural Heritage Division Data Bank concerning possible presence of Puerto Rico Department of Natural and Environmental Resources-listed rare, threatened, and/or endangered species at the site of concern in Cidra, Puerto Rico. The site is indicated on the enclosed United States Geological Survey topographic map.

No particular occurances of any inventoried critical element nor legally listed rare, threatened, and/or endangered species are recognized at the site as result of the search done.

Should you have any further questions, please contact Mr. Vicente Quevedo, Technical Advisor of our Comprehensive Planning Area at 787-999-2200, extension 2521.

Sincerely,

Héctor Rivera Santiago
Acting Assistant Secretary
Comprehensive Planning Area

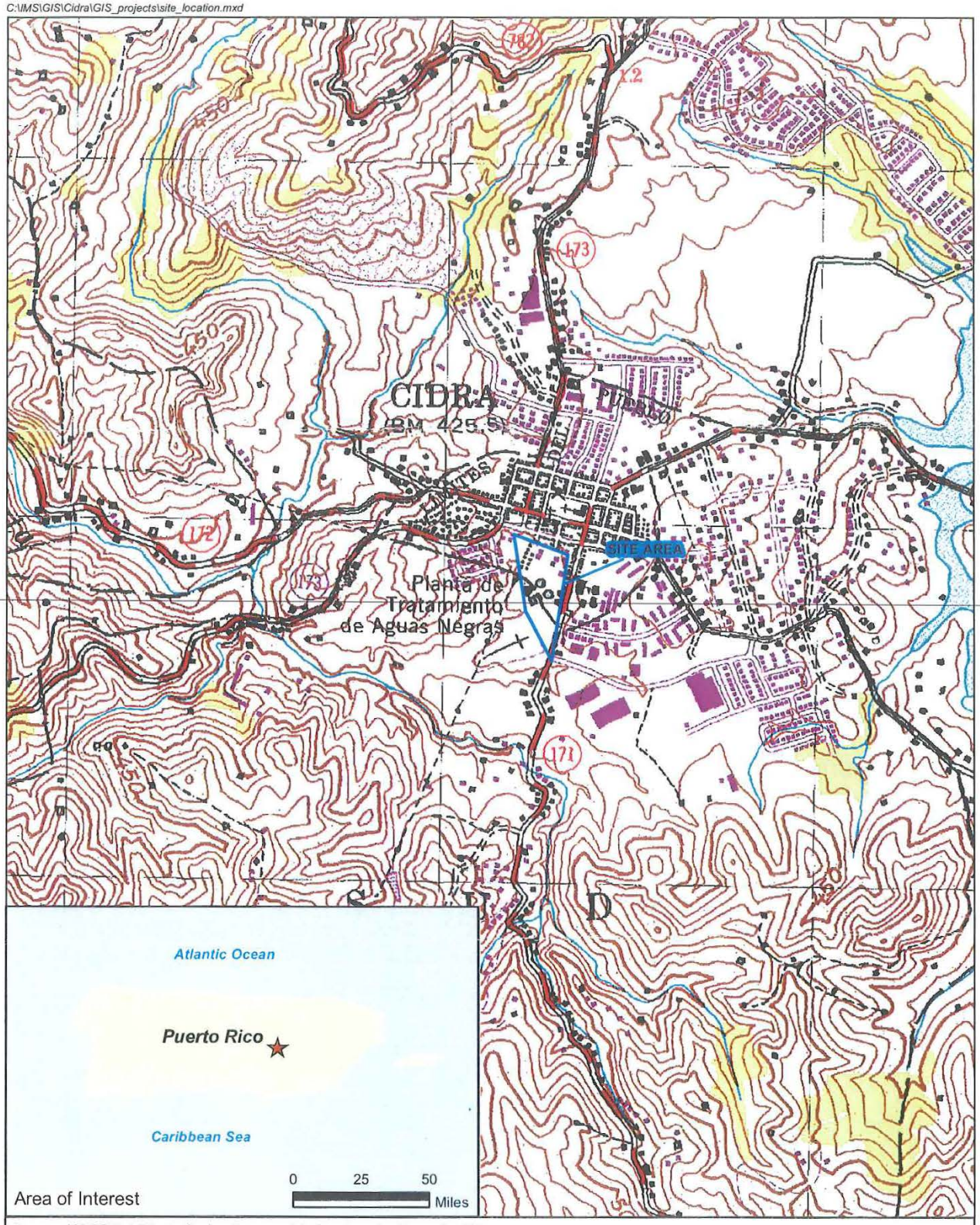
enclosure

PUERTO RICO VERDE

PO Box 366147, San Juan, PR 00936
Tel. 787.999.2200 • Fax. 787.999.2203

R2-0007871

C:\IMS\GIS\Cidra\GIS_projects\site_location.mxd



Source: USGS 7.5 Minute Series Topographic Quadrangle: Comerio, PR.

N

0 1,200 Feet

CDM

Site Location Map
Cidra Groundwater Plume Site
Cidra, Puerto Rico

R2-0007872

Appendix J
Data Usability Reports

Appendix J-1 – Stage 1 Data Usability Report
Appendix J-2 – Stage 2 Data Usability Report
Appendix J-3 – Stage 2a Data Usability Report

CDM Smith

Appendix J-1 – Stage 1 Data Usability Report

Data Quality Assessment Summary

CDM Federal Programs Corporation (CDM) performed field activities during the remedial investigation (RI) Stage 1 sampling activities at the Cidra Groundwater Contamination Site (the Site) between July 2007 and January 2009.

The purpose of this assessment is to evaluate the usability of the data collected and to determine whether they meet the quality objectives and user requirements outlined in the CDM Final Quality Assurance Project Plan (Final QAPP) (CDM 2007).

G.1 Sampling Summary

The existing supply wells were sampled in July 2007, followed by the soil boring samples in November 2007, the packer samples in June 2008, and the groundwater samples in January 2009. This constituted the first phase of the project, Stage 1. All procedures outlined in the Final QAPP were followed except for the changes documented by the field change requests (FCRs) generated for this project. The changes are summarized under section G.3 of this report. The field changes did not affect usability of the data.

G.2 Project Objectives

The objectives of the Stage 1 sampling activities were to:

- Investigate soil contamination to identify potential suspected sources areas that contributed to the volatile organic carbon (VOC) contamination in the groundwater supply wells
- Define the plume of VOCs with concentration above the maximum contaminant levels
- Determine if additional compounds (semi-volatile organic compounds (SVOCs), pesticides, polychlorinated biphenyl (PCBs), target analyte list (TAL) metals and cyanide) exceed screening criteria
- Obtain additional data (i.e., lithologic logs, gamma logs, synoptic water levels, water quality readings, and topographic data) to evaluate the fate and transport of contaminants in soil and groundwater and other impacted media

Data quality objectives (DQOs) were established during project planning to generate data of sufficient quality and quantity to achieve the above project objectives. Measurement criteria were also established for the data quality indicators (DQI), precision, accuracy, representativeness, comparability, and completeness. These DQIs provide a mechanism for on-going control and a means of evaluating and measuring data quality throughout the project. The DQIs are outlined on worksheets # 12 and 28 of the Final QAPP.

G.3 Summary of Field Activities

CDM completed Stage 1 sampling activities in accordance with the Environmental Protection Agency (EPA) approved Final QAPP. A summary of the data collected is presented in Tables 1-1 and 1-2. Samples were collected and shipped to the EPA Contract Laboratory Program (CLP) laboratories, and the Division of Environmental Science and Assessment (DESA), for analysis as specified on Table 2. The Final QAPP

defined the procedures to be followed and the data quality requirements for the field program.

Samples were also analyzed in the field for screening level ferrous iron using a Hach test kit. Information on the HACH instrument checks was not documented on the field logs but was verified with the sampler.

The following FCRs were implemented as changes to the field program outlined in the Final QAPP:

$ FCR-1 dated November 9, 2007 addressed the use of a high density polyethylene (HDPE) syringe type device for collection of soil samples for target compound list (TCL) VOCs analysis.

  This FCR improved the quality of the data collected by decreasing the disturbance of the soil and minimizing VOC loss, increasing sampling efficiency and speed and decreasing cross-contamination.

$ FCR-2 dated March 22, 2007 addressed changes in the number and diameter of boreholes and rock cores in multiport well boreholes and reassignment of the installation of two well boreholes to Stage II of the field investigation. This change facilitated use of the available equipment on site, prevented re-mobilization to the site, saved costs and maintained the field schedule.

$ FCR-3 dated July 16, 2007 addressed video logging and groundwater sampling at the abandoned IVAX well. The change allowed the determination of the usability of the borehole for well construction to facilitate sampling and to save time and procurement costs.

$ FCR-4 dated November 7, 2007 addressed installation of a 10-inch diameter outer steel casing in the overburden of the MPW-5 multiport well borehole. This change allowed the use of the borehole after the cave-in experienced with the air rotary drilling.

$ FCR-5 dated November 12, 2007 reduced from 20 to 14 the number of borings at the ESSO and adjacent machine shop facility. The number of borings was reduced upon discovery that the two properties were owned by the same proprietor and the same processes were conducted at both facilities.

$ FCR-6 dated December 6, 2007 covered the relocation of MPW-1 and MPW-4. This FCR was initiated based on the July 2007 groundwater sampling VOC results which indicated higher levels of VOCs compared to previous rounds and to better characterize soil source areas.

$ FCR-7 dated November 7, 2007 added six hand auger soil borings at the former Shellfoam facility at the request of EPA based on visual observations and to investigate source areas. These replaced the six borings not installed at the ESSO facility (FCR-5) to provide more effective characterization of the site.

$ FCR-8 dated December 17, 2008 covered the video logging and multiport well installation at borehole MPW-6. This was needed to address a small tear in the blank FLUTe liner which may have been caused by a fracture observed during drilling and would impact the integrity of the well to be installed.

These FCRs served to maintain or enhance the representative nature and quality of the groundwater and soil collected from the site.

Matrix spike/matrix spike duplicate (MS/MSD) and laboratory duplicates (D), field duplicates, and field QC samples were collected at the frequency described in the Final QAPP to assess the quality of the field data. MS/Ds were collected at a minimum frequency of 5 percent (1 out of every 20 samples) for the wet chemistry analyses and MS/MSDs also met this requirement for the pesticides and PCB analyses. VOCs and SVOCs did not require these spikes as per EPA Region 2 requirement. Field blanks were associated with each decontamination event for well monitoring, packer and soil borings sampling. Trip blanks were submitted with each cooler containing water samples for VOC analysis.

Samples were given CDM identification (ID) numbers, but were submitted to the laboratories using an assigned CLP sample number. Field duplicate samples (blind duplicate samples submitted to the laboratories for confirmation analysis) were given a different CLP number than the original sample. After analytical results were received from the laboratory, samples were renamed to their CDM identification number; duplicates were given the same identification number as the original sample but with a ADUP@ added to signify the sample was a field duplicate.

G.4 Field Quality Assurance/ Quality Control (QA/QC)

Field quality assurance/quality control (QA/QC) objectives were accomplished through the use of the appropriate and QAPP-approved sampling techniques and collection of field duplicates and blanks. Analytical QA/QC was assessed by internal QC checks, method blanks, surrogate spikes, sample custody tracking, sample preservation, adherence to holding times, laboratory control samples (LCSs) and MS/Ds.

G.4.1 Methods

Samples were analyzed using the methods shown on Table 2. Note that the EPA DESA laboratory used the methods specified in the QAPP and the methods referenced herein are the laboratory specific standard operating procedures (SOP) which are based on the QAPP methods. No deviations from the methods were noted except the QAPP required VOC analysis by method SOM01.1 and metals analysis by method ILM05.3. After the supply well sampling, the EPA CLP program implemented updated contract methods SOM01.2 for organics and ILM05.4 for metals, so the soil boring, packer, and groundwater sampling events used these updated methods. These changes included the vanadium contract required quantitation limit (CRQL) which was changed from 1 microgram per liter (µg/L) to 5 µg/L. No PAL was listed in the QAPP for vanadium. For the organics, the change included the separation of the pesticide and Aroclor methods; the incorporation of the new Staged Electronic Data Deliverable (SEDD); and the inclusion of Selected Ion Monitoring (SIM) analysis. These changes had no

negative impact on the data quality and allowed lower detection limits to be achievable for certain organic analytes.

The TCL low and trace VOCs, SVOCs, pesticides and PCBs data were validated by EPA according to EPA Region 2 SOPs HW-33, HW-34, HW-35, HW-36 and HW-37 and metals by HW-2. In addition, wet chemistry parameters were validated using EPA DESA review requirements.

G.5 Data Quality Indicators

Precision, accuracy, representativeness, comparability, and completeness are used as indicators of data quality and are named DQIs. These DQIs provide a mechanism for evaluating and measuring data quality throughout the project. Achievement of the project's quality objectives were measured from the DQI results assessed against their measurement performance criteria. Worksheets #12 and 28 of the Final QAPP outline the measurement performance criteria. These criteria are defined and their results discussed in the subsections below.

G.5.1 Accuracy

Accuracy is a measurement of agreement for a given measurement against an accepted reference value. It is typically assessed through the analysis of matrix spike and calibration check samples, and expressed as a percent recovery.

Accuracy for the entire data collection activity is difficult to assess because several sources of error exist. Errors can be introduced by any of the following:

Sampling procedure
Field contamination
Sample preservation and handling
Sample matrix
Sample preparation
Analytical techniques

Accuracy for sampling was maximized through strict adherence to field sampling SOPs, the approved Final QAPP and the use of EPA approved methods for sample analyses. By following approved procedures, sampling events are expected to provide results that are representative of environmental conditions at the time of sampling. One deviation from these procedures involved the use of an HDPE syringe type device for collection of the soil samples. This improved the representativeness of the results.

Holding Time and Sample Receipt - The technical holding times were met for all data groups except for seven nitrate results in groundwater samples MWP-1-P1-S1, MWP-1-P6-S1, MWP-2-P1-S1, MWP-1-P3-S1, MWP-2-P4-S1 MWP-3-P3-S1 and MWP-3-P5-S1, and five nitrite results in MWP-1-P1-S1, MWP-1-P3-S1, MWP-1-P6-S1, MWP-2-P1-S1 and MWP-3-P5-S1 exceeded the 48 hour holding time but were analyzed within 72 hours. Thirty-five SVOCs and 13 PCBs results from the soil boring sampling event also exceeded the holding time. These results were qualified as estimated. One VOC sample result was also qualified due to an air bubble in the sample vial of MWP-6-P5-S1.

Spike Recoveries - EPA validators reviewed the inorganic and pesticide matrix spikes, and LCS results as applicable. Recoveries were within their QC criteria except for the following:

Several metals were estimated and manganese, iron and cyanide were rejected due to failure of the matrix spike recovery. Silver, lead and selenium in several sample delivery groups (SDGs) were the most frequent outliers. The data validator qualified the data as required by the appropriate validation guidance. Pesticides failed the MS/MSD recovery criteria so that 48 data points were estimated as required. Pesticide LCS outliers also resulted in estimation of 19 results in SDG B4FD0 and rejection of PCB Aroclors in 14 samples.

Surrogate Recoveries – Several surrogate deuterated monitoring compounds (DMCs) exceeded QC criteria. This affected 296 VOC results, 1,823 SVOC results, 42 pesticide and 236 PCB Aroclor results which were estimated by the data validator; no rejections were required.

Calibration Recoveries – Metal calibration standards and organic instrument calibration and calibration checks were performed in accordance with applicable analytical methods. Results met criteria except for the following outliers. All 1,4-dioxane results were rejected due to poor response (low relative response factor) of the initial calibration. Outlying calibration standard recoveries also resulted in estimation of 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, vinyl chloride, trichloroethene (TCE), tetrachloroethene (PCE), 2-butanone and bromoform; pentachlorophenol, indeno(c,d)pyrene, benzo(b)fluoranthene, dibenz(a,h)anthracene and PCB Aroclors. Six supply well, 486 soil, and 23 groundwater VOC results were affected; in the SVOC fraction, 92 supply well, 124 soil, and 70 groundwater results were affected; and 231 PCB Aroclor soil results were affected. No other outliers were observed.

Internal Standards - VOCs and SVOCs were estimated if positive and rejected if non-detects due to non-compliant internal standard areas or retention times associated with the soil; 37 results were affected.

Interference Check Standard (Inorganics) – All results met the criteria for this standard.

Serial Dilution – Barium and potassium in the groundwater case 38176 failed the serial dilution test and were estimated (51 results). In the soil boring data packages, case 36981, several metals failed the serial dilution analysis in one or more SDGs and were estimated; aluminum (20), beryllium (20), calcium (79), chromium (61), cobalt (59), iron (58), manganese (132), magnesium (58), nickel (19), potassium (137), vanadium (39), and zinc (39). Other soil results rejected in accordance with the validation protocol were cadmium (19) and iron (39).

G.5.2 Precision

Precision is a quantitative term that estimates the reproducibility of a set of replicate measurements under a given set of conditions. It is defined as a measurement of mutual agreement between measurements of the same property, and is expressed in terms of relative percent difference (RPD) between duplicate determinations.

RPD is calculated as follows:

RPD = absolute value [(C1-C2)/{(C1+C2)/2)}] x 100

Where: C1 = Concentration of sample #1
C2 = Concentration of sample #2

Field duplicate samples were collected in the same manner as the original samples but were collected in separate containers, given separate sample identifiers and treated as unique samples by the laboratory.

Tables 3-1 through 3-5 show the field duplicate data results. RPDs were not calculated when both values were not detected. The absolute difference was calculated when one or both results were not detected or were reported below or equal to five times the reporting limit. An RPD of less than or equal to 50 percent or absolute difference less than five times the reporting limit indicates good precision for field duplicate water samples and an RPD of less than or equal to 100 percent indicates good precision for soil samples (Final QAPP, CDM 2007).

Analytical precision was based on the analytical requirements. Outliers are described in the data validation reports and summarized below.

Analytical Data Precision

The analytical precision for the reported data was determined by review of MS/MSD and laboratory duplicate results. The majority of the data met the requirements; one iron result failed the 20 percent RPD criteria but no further action was needed since the results was already qualified for matrix spike criteria exceedance. No other laboratory duplicate or MS/MSD outliers were noted in the validation reports.

The pesticides and PCBs met the MS/MSD precision criteria except for heptachlor in one sample RMSB-03-D but no action was taken by the validator since the result was non-detect. Comparison of the pesticide compounds identified on different columns resulted in qualification of about 223 results as either non-detect, estimated, tentatively identified, or rejected as required by the validation SOP. The pesticide results can be used to make environmental decisions unless flagged as rejected "R".

Field Data Precision

Field precision was determined from the field duplicate samples. Two tiers of criteria were applied to the field duplicate results; data validation of the TAL metals used a criterion of 35 to 120 percent RPD when both results were greater than five times the CRQL; and the data assessment applied the project criteria described below. Several metals failed the validation criterion and were estimated in one or more of eighteen field duplicate pairs, such as manganese in groundwater sample MPW-6-P2-S1, and aluminum, barium, calcium, chromium, cobalt, copper, zinc, magnesium, manganese, and mercury in one or more of the soil boring samples. Nickel result for sample CCSB-06-B was rejected (but not the duplicate) due to the absolute difference (ABS) exceeding criteria.

As shown on Tables 3-1 through 3-4, most field duplicate results met the Final QAPP project-specific precision criteria (for detected results RPD must be equal to or less than 50 percent; or where results are below the CRQL or one result was not detected, then the ABS must be less than or equal to five times the CRQL for groundwater, and equal to or less than 100 percent RPD or equal to or below five times the CRQL for soil). Exceptions (Table 3-5) were aluminum, copper, and zinc (2 outlier pairs), calcium, chromium, cobalt, magnesium, manganese and nickel (1 outlier pair); 6 soil samples were affected. The grain size (sand) and total organic carbon (TOC) duplicate results also showed high RPD variability in CCSB-02-C and clay and colloids in ESSB-04-C.

The above outliers failed either the RPD and ABS criteria. All of the field duplicate outliers were already flagged as estimated "J" so no further action was required except for the metal outliers in PESB-09-B, PCE in RMSB-05-B and the grain size in CCSB-02-C and ESSB-040C. Since the original results are lower than the duplicate, the original result may be biased low or may be a result of natural variation in the contaminant distribution. In either case these results should also be considered estimated values.

For the field screening ferrous iron results, two duplicate analyses were performed; the results (RPD 40 percent and ABS 0.01 milligram (mg)/L) were within the QAPP criteria.

The field duplicates indicate that field precision criteria were generally met. Outliers were flagged as estimated or biased as required and there is no adverse impact to the usability of the data for the intended purposes with the exception of nickel in CCSB-04-B, this result is not reliable and should not be used.

G.5.3 Blank Contamination

Tables 4-1, 4-2 and 4-3 show the contaminants detected in the field rinsate blanks (field blanks) and trip blanks. Field blanks are used to evaluate the presence of contaminants on sampling equipment following decontamination and the potential for cross contamination during sample collection. Trip blanks are used to detect cross-contamination of VOCs during shipment. Laboratory method blanks are analyzed to indicate possible contamination introduced by sample handling, preparation, and/or analysis at the laboratory.

Two levels of VOCs were analyzed, Trace and Low, with different reporting levels (CRQLs). Similar contaminants were detected at similar levels in the trip and field blanks discussed below. No field blanks were required to be collected with the groundwater samples (January 2009 event); only one water blank was collected.

Field Blanks

Chloromethane (0.18 – 0.67µg/L), acetone (11 µg/L), methylene chloride (0.16 - 0.24 µg/L), chloroform (0.14 – 1.1 µg/L), styrene (0.17 - 0.22 µg/L) and 1,2-dibromo-3-chloropropane (0.58 µg/L) were detected below and or up to twice their CRQLs in the field blanks associated with the existing wells (supply wells) (Table 4-1).

Chloromethane (0.18 µg/L), carbon disulfide (0.25 µg/L), methylene chloride (0.073 - 0.21 µg/L), chloroform (0.5 µg/L), toluene (0.14 µg/L), and m/p-xylene (0.07 µg/L)

were detected below or at the CRQL in the field blanks associated with the packer samples (Table 4-3). Acetone (25 µg/L) was detected in one field blank (FB-071408) well above the CRQL of 0.25 µg/L.

Several VOCs, mainly below the CRQLs, were detected in the field blanks associated with the soil borings. Methylene chloride (0.245 – 0.58 µg/L), 2-butanone (2.2 µg/L), 4-methyl-2-pentanone (1 – 1.3 µg/L), toluene (0.29 µg/L), and 2-hexanone (1.4 µg/L) were detected in one or two of the field blanks below the CRQL (Table 4-2). Qualification of the data is discussed in the trip blank section below. Except for one acetone detection in the packer sample field blank FB-071408, the field blank data show no significant contamination issues.

Aluminum, copper, potassium, selenium, and zinc were detected below their CRQLs in one or more of the field blanks associated with the existing (supply) wells; zinc was detected in all five blanks, aluminum in two blanks, and the other compounds in one blank (FB072007) (Table 4-1). The packer samples were only analyzed for VOCs. In the field blanks collected during the soil boring investigation the following metals were detected: Arsenic, iron and zinc above their respective inductively coupled plasma-mass spectrometer (ICP-MS) CRQLs in FB110907 and FB113207. Aluminum, barium, calcium, chromium, iron, magnesium, nickel, potassium, silver, sodium and zinc were detected in up to three field blanks below their respective ICP-atomic emission spectrometer (AES) CRQLs (Table 4-2). Sodium and iron were detected above their ICP-AES CRQLs in one or more field blank and were qualified "U" in the associated samples as required.

Trip Blanks

Chloromethane was detected in all the trip blanks associated with the existing wells at levels below its CRQL. The other VOCs, carbon disulfide, methylene chloride, chloroform, benzene, toluene, ethylbenzene, o-xylene, m,p-xylene, and styrene were detected in one to three trip blanks below or up to twice the CRQL.

Several VOCs were detected in the packer samples trip blanks mostly at or below the 0.5 micrograms per liter (µg/L) or 5 µg/L CRQLs (Table 4-3). Concentrations of carbon disulfide (0.11- 0.81), and chloroform (0.38 – 1 µg/L) were above the CRQL. Dichlorodifluoromethane, chloromethane, trichlorofluoromethane, acetone, methylene chloride, 4-methyl-2-pentanone, toluene, tetrachloroethene, m,p-xylene, 1,4-dichlorobenzene, 1,2,4-trichlorobenzene, and 1,2,3-trichlorobenzene. Of note, carbon disulfide and methylene chloride were consistently detected at low levels in the trip blanks.

Butylbenzylphthalate and bis(2-ethylhexyl)phthalate were detected below their CRQLs in one field blank FB120707.

One water blank of the water used to prepare the trip blanks was also collected during the groundwater sampling and contained compound contaminants and contaminant concentrations similar to those detected in the trip blanks (Table 4-3). The data validator qualified the associated data "U" as required by the validation guidance.

Laboratory Blanks
VOCs, SVOCs, pesticides and metals were detected in calibration, preparation or method blanks requiring qualification as non-detect "U" in the associated samples when results fall below the PAL for that compound. Several sample results were qualified as non-detect "U" due to these blank detections.

G.5.4 Representativeness and Comparability

Representativeness and comparability are achieved by using EPA approved sampling procedures and analytical methodologies. By following approved Final QAPP procedures for sample collection, sampling events should yield results representative of environmental conditions at the time of sampling. Similarly, reasonable comparability of analytical results for this and future sampling events can be achieved if the approved EPA analytical methods and standardized reporting units are employed.

G.5.4.1 Representativeness

Representativeness is a qualitative term that expresses the degree to which the sample data accurately and precisely represent the environmental conditions corresponding to the location and depth interval of sample collection. The sampling scheme, requirements and procedures for sampling were designed to maximize sample representativeness. Representativeness also can be monitored by reviewing field documentation and by performing field audits. Appropriate laboratory QA/QC requirements were described in the Final QAPP and laboratory statements of work (SOWs) to ensure that the laboratory analytical results were representative of true field conditions.

Sample representativeness was achieved by CDM through the use of EPA analytical methods, decontaminated sampling equipment, the use of inert materials to collect samples, clean sample gloves, and standard sampling procedures for EPA Region 2. Samples were kept at 4°C and received intact at the laboratories with the exceptions noted in the data validation reports. The generally low concentrations of blank contaminants as discussed above are an indication that sample results are representative of the site conditions.

G.5.4.2 Comparability

Comparability is a qualitative term that expresses the confidence with which a data set can be compared with another. Strict adherence to standard sample collection procedures, analytical detection limits, and analytical methods assures that data from like samples and sample conditions are comparable. This comparability is independent of laboratory personnel, data reviewers, or sampling personnel. Comparability criteria are met for the project if, based on data review, the sample collection and analytical procedures are determined to have been followed or that variations in procedures did not affect the values reported.

To ensure comparability of data generated for the site, standard sample collection procedures and EPA-approved analytical methods were utilized by CDM. The sample analyses were performed by EPA, DESA, and the subcontract laboratories using defined, standard methods. Utilizing such procedures and methods enables the current data to be comparable with the previous data sets generated with similar

methods. All aqueous samples were reported in µg/L or mg/L, and soil samples were reported in µg/ kilogram (kg) or mg/kg.

Detection limits were low enough to compare the data with applicable criteria except for the compounds listed on Tables 5-1 and 5-2. The compounds listed in these tables were identified in the Final QAPP as problematic in achieving project action limits (PALs) listed on QAPP worksheet #15. The PALs and quantitation limit goals listed in the QAPP were for the purpose of ensuring that contaminants of interest meet the lowest available method reporting limits. Efforts to achieve lower limits for these compounds were pursued. For the soil samples, 1,1,2,2-tetrachloroethane, 1,3-dichloropropene, vinyl chloride (chloroethene), 2,4-dichlorophenoxy- 2,4,6-trichlorophenol, 2,4-dinitrophenol, 2,4-dinitrotoluene, 2,6-dinitrotoluene, 3,3-dichlorobenzidine, benzo(a)pyrene, bis(2-chloroethyl)ether, dibenz(a,h)anthracene, nitrobenzene, n-nitrosodi-n-propylamine, pentachlorophenol, alpha-BHC, dieldrin, antimony, selenium and thallium had one or more sample reporting limits above the PAL listed in the Final QAPP.

The groundwater sample reporting limits exceeded the PALs for several compounds. VOCs - 1,2-dibromo-3-chloropropane; SVOCs - atrazine, benzo(a)pyrene, hexachlorobenzene, and pentachlorophenol; PCBs - Aroclor-1016, 1221, 1232, 1242, 1248, 1254, and 1260; and the metal beryllium had at least one sample reporting limit exceeding its PAL.

Tables 5-1 and 5-2 also show other sample reporting limits which did not meet the project quantitation limit goals (PQLGs) but were below the PALs. These results are fully usable. All other detection limits were at or below the PQLG to allow characterization of contamination at the site and to determine if compounds exceed the screening criteria. The data user is cautioned to re-evaluate the sample reporting limits against the final approved remedial RI criteria, risk assessment criteria, and any other criteria established for use of the data.

G.5.5 Data Completeness

Completeness of the field program is defined as the percentage of samples planned for collection as listed in the Final QAPP versus the actual samples collected during the field program (See equation A).

Completeness for acceptable data is defined as the percentage of acceptable data obtained judged to be valid versus the total quantity of data generated (See equation B). Acceptable data includes both data that passes all the QC criteria (unqualified data) and data that may not pass all the QC criteria but had appropriate corrective actions taken (qualified but usable data).

A. $$\% \text{ Completeness} = C \times \frac{100}{n}$$

where,

C= actual number of samples collected
n = total number of samples planned

B. $$\% \text{ Completeness} = V \times \frac{100}{}$$

$$\frac{V}{n'}$$

where,
V= number of measurements judged valid
n′ = total number of measurements made

Completeness of the data set achieved by CDM is presented in Table 6. The list of samples collected and parameters analyzed are shown on Tables 1-1 and 1-2 of this assessment. The overall goal was to generate a complete data set for at least 90 percent of the samples planned for collection and 90 percent valid data from the samples analyzed.

The data validation narratives detail the sample analyses that failed the QC criteria cited in the validation SOPs. Results associated with QC outliers were appropriately qualified as estimated or as non-detect by data validators.

Of the VOC data collected, 1.9 percent of the supply well and 2.1 percent of the soil boring sample results respectively were rejected; 0.8 percent of the pesticide groundwater sample results; and 1.3 percent overall (6.6 percent of cyanide, 1.7 percent of the metals, and 5.5 percent of the PCB Aroclors) from the soil boring sample results were rejected. Rejections were mainly due to exceedance of matrix spike, and serial dilution tests for metals. For organics rejected data were due to surrogates, LCS, internal standards and calibration criteria, especially rejection of 1,4-dioxane due to poor response factors and pesticide compound identification. Ninety-nine percent of the data collected was judged usable. This met the objective of 90 percent usable data. However, it should be noted that samples collected from the Shellfoam area, SHSB-08A and SHSB-09A were impacted by rejections (six VOC and 13 SVOC results) as well as all PCB Aroclors data from the Esso LM Auto Parts locations, ESSB-01D, and all depths from borings ESSB-02, -04, and -05. The project team in consultation with EPA will determine whether these samples need to be re-collected or if sufficient data is available to achieve the project objectives.

Approximately 99 percent of the planned samples were collected. Samples IDCSB-02 and IDCSB-05 located at the International Dry Cleaner area and sample CCSB-07 located at CCLabel were not collected due to no recovery. The 90 percent objective was achieved.

G.6 Summary Assessment of Data Usability and Reconciliation with QAPP Goals

Sample results evaluated in this assessment will be used for the objectives stated in Section G.2 of this report.

All of the 1,4-dioxane results were rejected for poor response factors. 1-4-dioxane results are therefore not available. Thirteen pesticide results were rejected for the large percent difference of the results between columns. 0.5 percent of the VOC data collected were rejected due to exceedance mainly of surrogates, internal standards and calibration criteria, especially rejection of 1,4-dioxane due to poor response factors. Pesticide and PCB data were also rejected due to differences in the results from different columns, surrogate and LCS failures. Ninety-nine percent of the RI/FS data

are suitable for their intended use as stated in the previous section. The remaining one percent should not be used for project decisions. The ninety percent completeness goal for usable data has been met. The data user should evaluate the data completeness section above to determine what data gaps exist due to rejected data or data which was unable to be collected.

Some sample reporting limits did not achieve the project action limits as defined in the QAPP. Section G.5.4.2 discusses these outliers which are summarized on Tables 5-1 and 5-2.

DQO goals for completeness, comparability, and representativeness established during project planning were mainly achieved. Data failing QC criteria were appropriately qualified as estimated, non-detect, or rejected during data validation. All data reported herein are usable as reported with the data validation qualifiers added except for rejected data, which should not be used for project decisions.

G.7 Data Validation Qualifiers

The following qualifiers are used with the reported data.

Organic Qualifiers:

U	-	Compound was analyzed for but not detected. The associated numerical value is the sample quantitation.
J	-	Estimated data due to exceeded quality control criteria.
UJ	-	Estimated non-detect data due to exceeded quality control criteria.
N	-	Presumptive evidence of a compound.

Inorganic Qualifiers:

U	-	Analyte was analyzed for but not detected.
J	-	Estimated data due to exceeded quality control criteria.
K	-	The identification of the analyte is acceptable; the reported value may be biased high.
L	-	The identification of the analyte is acceptable; the reported value may be biased low.
M	-	Duplicate injection precision not met.
NJ	-	Tentatively identified compound. The reported value is an estimate.

G.8 Acronyms

ABS	absolute difference
CDM	CDM Federal Programs Corporation
CLP	Contract Laboratory Program
CRQL	contact required quantitation limit
D	duplicate
DESA	Division of Environmental Science and Assessment
DMC	deuterated monitoring compound
DQA	data quality assessment
DQI	data quality indicator
DQO	data quality objective
DUP	duplicate
DV	data validation
EPA	(United States) Environmental Protection Agency
FCR	field change request
HDPE	high density polyethylene
ICP-AES	inductively coupled plasma – atomic emission spectrometer
ICP-MS	inductively coupled plasma - mass spectrometer
ID	identification
L	liter
LCS	laboratory control sample
MDL	method detection limit
mg	milligram
Φg	microgram
MS	matrix spike
D	laboratory duplicate
NA	not applicable
NC	not calculable
NR	not reported
PAL	project action limit
PCB	polychlorinated biphenyl
PQLG	project quantitation limit goal
QA/QC	quality assurance/quality control
QAPP	quality assurance project plan
RI	remedial investigation
RPD	relative percent difference
SEDD	staged electronic data deliverable
SIM	selective ion monitoring
SOP	standard operating procedure
SOW	statement of work
SVOC	semi volatile organic compound
TAL	target analyte list
TCL	target compound list
TDS	total dissolved solids
TKN	total Kjeldahl nitrogen
TOC	total organic carbon
TSS	total suspended solids
VOC	volatile organic compound
%R	percent recovery

G.9 References

CDM Federal Programs Corporation (CDM). 2007. Final Quality Assurance Project Plan for the Cidra Groundwater Contamination Superfund Site, Cidra, Puerto Rico. April.

Data Validation Procedures (EPA Region 2 protocols)
Environmental Protection Agency. 2007. Region II Standard Operating Procedures (SOP) No. HW-6. Revision 34, Revision 1 - Data Validation SOP for Organic Analysis of Trace Concentration VOCs under SOW SOM01.1. August.

_____. 2007. Region II SOP No. HW-33. Data Validation SOP for Organic Analysis of Low/Medium Concentration VOCs under SOW SOM01.2. Revision 1. August.

_____. 2007. Region II SOP No. HW-35. Data Validation SOP for Organic Analysis of Low/Medium Concentration SVOCs under SOW SOM01.1. Revision 1. August.

_____. 2007. Region II SOP No. HW-36. Data Validation SOP for Organic Analysis of Low/Medium Concentration Pesticides under SOW SOM01.1. Revision 1. August.

_____. 2007. Region II SOP No. HW-37. Data Validation SOP for Organic Analysis of Low/Medium Concentration Aroclors under SOW SOM01.1. Revision 1. August.

_____. 2005. Region II Standard Operating Procedures - No. HW-2. Revision 13 - Evaluation of Inorganic Data for the Contract Laboratory Program. September.

CDM. 2001. Standard Operating Procedure USEPA Methods for General Chemistry. Document No. SOP CDM-029A, Rev 0. July.

Analytical Methodologies
EPA. 2007. Multi-media, Multi-Concentration, Organic Analytical Service for Superfund. SOM01.2. June.

EPA. 2007. Multi-media, Multi-Concentration, Inorganic Analysis Service for Superfund. Document No. ILM05.4. March.

EPA-600/4-79-020. 1983 Revision. Methods for the Chemical Analysis of Water and Wastes (EPA). March.

Standard Methods for the Examination of Water and Wastewater. 19th Edition.

Table 1

Table 1-1 – Summary of Supply Wells, Soil and Packer Samples
Table 1-2 - Summary of Groundwater Samples

Table 1-1
Data Usability - 2009
Sample Summary - Supply Wells, Soils and Packer Samples
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code	Blind	Matrix	CLP ID #s	Sample Date	Grain size	Cyanide	TOC	pH	METALS-AES	Metals-MS	Soil Moisture	SOM01-ARO	ARO-W	SOM01-PEST	PEST-W	SOM01-SVOA	SVOA-SIM	SVOA-W	SOM01-TVOA	TVOA-SIM	VOA-S	VOA-W
SUPPLY WELL SAMPLES - SDG 36526																						
CIDR9		GW	B4EN2	7/11/07		1			23	6		9		21		67	18		51	2		
CARI		GW	B4EA8	7/12/07		1			23	6		9		21		67	18		51	2		
CIBA1		GW	B4EA9	7/12/07		1			23	6		9		21		67	18		51	2		
CIBA2		GW	B4EB0	7/12/07		1			23	6		9		21		67	18		51			
MYLA		GW	B4EC3	7/12/07		1			23	6		9		21		67	18		51	2		
PEPS		GW	B4EC5	7/12/07		1			23	6		9		21		67	18		51	2		
CIDR6 1967-A		GW	B4EB7	7/13/07		1			23	6		9		21		67	18		51	2		
CIDR6 1967-B		GW	B4EB8	7/13/07		1			23	6		9		21		67	18		51	2		
CIDR6 1967-C		GW	B4EB9	7/13/07		1			23	6		9		21		67	18		51	2		
ZENI1		GW	B4EC9	7/16/07		1			23	6		9		21		67			51			
ZENI2		GW	B4ED0	7/16/07		1			23	6		9		21		67			51			
CIDR3 1964-A		GW	B4EB1	7/17/07		1			23	6		9		21		67	18		51	2		
CIDR3 1964-B		GW	B4EB2	7/17/07		1			23	6		9		21		67	18		51	2		
CIDR3 1964-C		GW	B4EB3	7/17/07		1			23	6		9		21		67	18		51	2		
CIDR4-A		GW	B4EB4	7/18/07		1			23	6		9		21		67	18		51	2		
CIDR4-B		GW	B4EB5	7/18/07		1			23	6		9		21		67	18		51	2		
CIDR4-C		GW	B4EB6	7/18/07		1			23	6		9		21		67	18		51	2		
IVAXD		GW	B4EN5	7/19/07		1			23	6		9		21		67	18		51	2		
IVAXI		GW	B4EN6	7/19/07		1			23	6		9		21		67	18		51	2		
IVAXS		GW	B4EN7	7/19/07		1			23	6		9		21		67	18		51	2		
CIDR8-A		GW	B4EC0	7/20/07		1			23	6		9		21		67	18		51	2		
CIDR8-B		GW	B4EC1	7/20/07		1			23	6		9		21		67	18		51	2		
CIDR8-C		GW	B4EC2	7/20/07		1			23	6		9		21		67	18		51	2		
PELL		GW	B4EC4	7/24/07		1			23	6		9		21		67			51	2		
RABA		GW	B4EC6	7/31/07		1			23	6		9		21		67	18		51	2		
VILL		GW	B4EC7	7/31/07		1			23	6		9		21		67	18		51	2		
ZAPA		GW	B4EC8	7/31/07		1			23	6		9		21		67	18		51	2		
SUPPLY WELL DUPLICATE SAMPLES																						
IVAXS-DUP	IVAXS1	GW	B4EN8	7/19/07		1			23	6		9		21		67	18		51	2		
SUPPLY WELL QC SAMPLES																						
FB071307		FB	B4EL4	7/13/07		1			23	6		9			21		18	67	51	2		
FB071707		FB	B4EN3	7/17/07		1			23	6		9			21		18	67	51	2		
FB071807		FB	B4EN4	7/18/07		1			23	6		9			21		18	67	51	2		
FB071907		FB	B4EB8	7/19/07		1			23	6		9			21		18	67	51	2		
FB072007		FB	B4EM4	7/20/07		1			23	6		9			21		18	67	51	2		
TB071207		FB	B4EL7	7/12/07															51	2		
TB071307		FB	B4EL8	7/13/07															51	2		
TB071607		FB	B4EL9	7/16/07															51			
TB071707		FB	B4EM0	7/17/07															51	2		

Table 1-1
Data Usability - 2009
Sample Summary - Supply Wells, Soils and Packer Samples
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code	Blind	Matrix	CLP ID #s	Sample Date	Grain size	Cyanide	TOC	pH	METALS-AES	Metals-MS	Soil Moisture	SOM01-ARO	ARO-W	SOM01-PEST	PEST-W	SOM01-SVOA	SVOA-SIM	SVOA-W	SOM01-TVOA	TVOA-SIM	VOA-S	VOA-W
TB071807		FB	B4EM1	7/18/07															51	2		
TB071907		FB	B4EM2	7/19/07															51	2		
TB072007		FB	B4EM3	7/20/07															51	2		
TB072407		FB	B4EP0	7/24/07															51	2		
TB073107		FB	B4EL1	7/31/07															51	2		
SOIL BORING SAMPLES - SDG 36981																						
CCSB-08-A		Soil	B4GS9	11/6/07		1			23	2	1	9		21		67					52	
CCSB-08-B		Soil	B4GT2	11/6/07		1			23	2	1	9		21		67					52	
CCSB-08-C		Soil	B4GT0	11/6/07		1			23	2	1	9		21		67					52	
CCSB-08-D		Soil	B4GT1	11/6/07		1			23	2	1	9		21		67					52	
CCSB-09-A		Soil	B4GT3	11/6/07		1			23	2	1	9		21		67					52	
CCSB-09-B		Soil	B4GT4	11/6/07		1			23	2	1	9		21		67					52	
CCSB-09-C		Soil	B4GT5	11/6/07		1			23	2	1	9		21		67					52	
CCSB-09-D		Soil	B4GT6	11/6/07		1			23	2	1	9		21		67					52	
CCSB-01-A		Soil	B4GW5	11/8/07		1			23	2	1	9		21		67					52	
CCSB-01-B		Soil	B4GW6	11/8/07	8	1	1	1	23	2	1	9		21		67					52	
CCSB-01-C		Soil	B4GW7	11/8/07		1			23	2	1	9		21		67					52	
CCSB-01-D		Soil	B4GW8	11/8/07	8	1	1	1	23	2	1	9		21		67					52	
CCSB-02-A		Soil	B4GW9	11/8/07		1			23	2	1	9		21		67					52	
CCSB-02-B		Soil	B4GX0	11/8/07		1			23	2	1	9		21		67					52	
CCSB-02-C		Soil	B4GX1	11/8/07	8	1	1	1	23	2	1	9		21		67					52	
CCSB-02-D		Soil	B4GX3	1/8/07	8	1	1	1	23	2		9		21		67					52	
CCSB-03-A		Soil	B4GX9	11/9/07		1			23	2	1	9		21		67					52	
CCSB-03-B		Soil	B4GY0	11/9/07		1			23	2	1	9		21		67					52	
CCSB-03-C		Soil	B4GY1	11/9/07		1			23	2	1	9		21		67					52	
CCSB-03-D		Soil	B4GY2	11/9/07		1			23	2	1	9		21		67					52	
CCSB-04-A		Soil	B4GX4	11/9/07		1			23	2	1	9		21		67					52	
CCSB-04-B		Soil	B4GX5	11/9/07		1			23	2	1	9		21		67					52	
CCSB-04-C		Soil	B4GX6	11/9/07		1			23	2	1	9		21		67					52	
CCSB-04-D		Soil	B4GX7	11/9/07		1			23	2	1	9		21		67					52	
CCSB-05-A		Soil	B4GY5	11/12/07		1			23	2	1	9		21		67					52	
CCSB-05-B		Soil	B4GY6	11/12/07	8	1	1	1	23	2	1	9		21		67					52	
CCSB-05-C		Soil	B4GY7	11/12/07		1			23	2	1	9		21		67					52	
CCSB-06-A		Soil	B4GY9	11/12/07	8	1	1	1	23	2	1	9		21		67					52	
CCSB-06-B		Soil	B4GZ0	11/12/07	8	1	1	1	23	2	1	9		21		67					52	
CCSB-07-A		Soil	B4GZ2	11/12/07		1			23	2	1	9		21		67					52	
CCSB-07-B		Soil	B4GZ3	11/12/07		1			23	2	1	9		21		67					52	
CCSB-07-C		Soil	B4GZ4	11/12/07		1			23	2	1	9		21		67					52	
CCSB-10-A		Soil	B4GZ6	11/12/07		1			23	2	1	9		21		67					52	
CCSB-10-B		Soil	B4GZ7	11/12/07	8	1	1	1	23	2	1	9		21		67					52	

Table 1-1
Data Usability - 2009
Sample Summary - Supply Wells, Soils and Packer Samples
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code	Blind	Matrix	CLP ID #s	Sample Date	Grain size	Cyanide	TOC	pH	METALS-AES	Metals-MS	Soil Moisture	SOM01-ARO	ARO-W	SOM01-PEST	PEST-W	SOM01-SVOA	SVOA-SIM	SVOA-W	SOM01-TVOA	TVOA-SIM	VOA-S	VOA-W
CCSB-10-C		Soil	B4GZ8	11/12/07		1			23	2	1	9		21		67					52	
CCSB-10-D		Soil	B4GZ9	11/12/07		1			23	2	1	9		21		67					52	
ESSB-04-A		Soil	B4FB7	11/13/07		1			23	2	1	9		21		67					52	
PESB-09-A		Soil	B4H02	11/13/07		1			23	2	1	9		21		67					52	
PESB-09-B		Soil	B4H03	11/13/07	8	1	1	1	23	2	1	9		21		67					52	
PESB-09-C		Soil	B4H04	11/13/07		1			23	2	1	9		21		67					52	
PESB-09-D		Soil	B4H05	11/13/07		1			23	2	1	9		21		67					52	
PESB-10-A		Soil	B4H07	11/13/07		1			23	2	1	9		21		67					52	
PESB-10-B		Soil	B4H08	11/13/07		1			23	2	1	9		21		67					52	
PESB-10-C		Soil	B4H09	11/13/07		1			23	2	1	9		21		67					52	
PESB-10-D		Soil	B4H10	11/13/07		1			23	2	1	9		21		67					52	
PESB-06-A		Soil	B4H20	11/14/07		1			23	2	1	9		21		67					52	
PESB-06-B		Soil	B4H21	11/14/07		1			23	2	1	9		21		67					52	
PESB-06-C		Soil	B4H22	11/14/07		1			23	2	1	9		21		67					52	
PESB-06-D		Soil	B4H23	11/14/07	8	1	1	1	23	2	1	9		21		67					52	
PESB-07-A		Soil	B4H16	11/14/07		1			23	2	1	9		21		67					52	
PESB-07-B		Soil	B4H17	11/14/07		1			23	2	1	9		21		67					52	
PESB-07-C		Soil	B4H18	11/14/07	8	1	1	1	23	2	1	9		21		67					52	
PESB-07-D		Soil	B4H19	11/14/07		1			23	2	1	9		21		67					52	
PESB-08-A		Soil	B4H12	11/14/07		1			23	2	1	9		21		67					52	
PESB-08-B		Soil	B4H13	11/14/07	8	1	1	1	23	2	1	9		21		67					52	
PESB-08-C		Soil	B4H14	11/14/07		1			23	2	1	9		21		67					52	
PESB-08-D		Soil	B4H15	11/14/07		1			23	2	1	9		21		67					52	
PESB-03-A		Soil	B4H24	11/15/07		1			23	2	1	9		21		67					52	
PESB-03-B		Soil	#N/A	11/15/07	8	1	1	1	23	2	1	9		21		67					52	
PESB-03-C		Soil	B4H26	11/15/07		1			23	2	1	9		21		67					52	
PESB-03-D		Soil	B4H27	11/15/07		1			23	2	1	9		21		67					52	
PESB-04-A		Soil	B4H29	11/15/07		1			23	2	1	9		21		67					52	
PESB-04-B		Soil	B4H28	11/15/07		1			23	2	1	9		21		67					52	
PESB-04-C		Soil	B4H30	11/15/07	8	1	1	1	23	2	1	9		21		67					52	
PESB-04-D		Soil	B4H31	11/15/07		1			23	2	1	9		21		67					52	
PESB-05-A		Soil	B4H32	11/15/07		1			23	2	1	9		21		67					52	
PESB-05-B		Soil	B4H33	11/15/07	8	1	1	1	23	2	1	9		21		67					52	
PESB-05-C		Soil	B4H34	11/15/07		1			23	2	1	9		21		67					52	
PESB-05-D		Soil	B4H35	11/15/07		1			23	2	1	9		21		67					52	
PESB-01-A		Soil	B4H37	11/16/07		1			23	2	1	9		21		67					52	
PESB-01-B		Soil	B4H38	11/16/07		1			23	2	1	9		21		67					52	
PESB-01-C		Soil	B4H39	11/16/07		1			23	2	1	9		21		67					52	
PESB-01-D		Soil	B4H40	11/16/07		1			23	2	1	9		21		67					52	
PESB-02-A		Soil	B4H41	11/16/07		1			23	2	1	9		21		67					52	

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Data Usability - 2009
Sample Summary - Supply Wells, Soils and Packer Samples
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Cidra, Puerto Rico

Sample Code	Blind	Matrix	CLP ID #s	Sample Date	Grain size	Cyanide	TOC	pH	METALS-AES	Metals-MS	Soil Moisture	SOM01-ARO	ARO-W	SOM01-PEST	PEST-W	SOM01-SVOA	SVOA-SIM	SVOA-W	SOM01-TVOA	TVOA-SIM	VOA-S	VOA-W
PESB-02-B		Soil	B4EW2	11/16/07		1			23	2	1	9		21		67					52	
PESB-02-C		Soil	B4FB1	11/16/07		1			23	2	1	9		21		67					52	
PESB-02-D		Soil	B4FB2	11/16/07		1			23	2	1	9		21		67					52	
ESSB-01-A		Soil	B4GT7	11/19/07		1			23	2	1	9		21		67					52	
ESSB-01-B		Soil	B4GT8	11/19/07	8	1	1	1	23	2	1	9		21		67					52	
ESSB-01-C		Soil	B4GT9	11/19/07		1			23	2	1	9		21		67					52	
ESSB-02-A		Soil	B4GW1	11/19/07		1			23	2	1	9		21		67					52	
ESSB-02-B		Soil	B4GW2	11/19/07	8	1	1	1	23	2	1	9		21		67					52	
ESSB-02-C		Soil	B4GW3	11/19/07		1			23	2	1	9		21		67					52	
ESSB-02-D		Soil	B4GW4	11/19/07		1			23	2	1	9		21		67					52	
ESSB-03-A		Soil	B4FB3	11/19/07		1			23	2	1	9		21		67					52	
ESSB-03-B		Soil	B4FB4	11/19/07		1			23	2	1	9		21		67					52	
ESSB-03-C		Soil	B4FB5	11/19/07		1			23	2	1	9		21		67					52	
ESSB-03-D		Soil	B4FB6	11/19/07		1			23	2	1	9		21		67					52	
ESSB-04-B		Soil	B4FB8	11/20/07		1			23	2	1	9		21		67					52	
ESSB-04-C		Soil	B4FB9	11/20/07	8	1	1	1	23	2	1	9		21		67					52	
ESSB-04-D		Soil	B4FC0	11/20/07		1			23	2	1	9		21		67					52	
ESSB-05-A		Soil	B4FC2	11/20/07		1			23	2	1	9		21		67					52	
ESSB-05-B		Soil	B4FC3	11/20/07		1			23	2	1	9		21		67					52	
ESSB-05-C		Soil	B4FC4	11/20/07	8	1	1	1	23	2	1	9		21		67					52	
ESSB-05-D		Soil	B4FC5	11/20/07		1			23	2	1	9		21		67					52	
ESSB-01-D		Soil	B4GW0	11/26/07		1			23	2	1	9		21		67					52	
ESSB-06-A		Soil	B4FC6	11/26/07		1			23	2	1	9		21		67					52	
ESSB-06-B		Soil	B4FC7	11/26/07		1			23	2	1	9		21		67					52	
ESSB-06-C		Soil	B4FC8	11/26/07		1			23	2	1	9		21		67					52	
ESSB-06-D		Soil	B4FC9	11/26/07		1			23	2	1	9		21		67					52	
ESSB-08-A		Soil	B4FD4	11/26/07		1			23	2	1	9		21		67					52	
ESSB-08-B		Soil	B4FD5	11/26/07		1			23	2	1	9		21		67					52	
ESSB-08-C		Soil	B4FD6	11/26/07		1			23	2	1	9		21		67					52	
ESSB-08-D		Soil	B4FD7	11/26/07		1			23	2	1	9		21		67					52	
ESSB-09-A		Soil	B4FD8	11/28/07		1			23	2	1	9		21		67					52	
ESSB-09-B		Soil	B4FD9	11/28/07	8	1	1	1	23	2	1	9		21		67					52	
ESSB-09-C		Soil	B4FE0	11/28/07		1			23	2	1	9		21		67					52	
ESSB-09-D		Soil	B4FE1	11/28/07		1			23	2	1	9		21		67					52	
ESSB-10-A		Soil	B4FE2	11/28/07		1			23	2	1	9		21		67					52	
ESSB-10-B		Soil	B4FE3	11/28/07		1			23	2	1	9		21		67					52	
ESSB-10-C		Soil	B4FE4	11/28/07		1			23	2	1	9		21		67					52	
ESSB-10-D		Soil	B4FE5	11/28/07		1			23	2	1	9		21		67					52	
ESSB-11-A		Soil	B4FE6	11/28/07		1			23	2	1	9		21		67					52	
ESSB-11-B		Soil	B4FE7	11/28/07	8	1	1	1	23	2	1	9		21		67					52	

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Data Usability - 2009
Sample Summary - Supply Wells, Soils and Packer Samples
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code	Blind	Matrix	CLP ID #s	Sample Date	Grain size	Cyanide	TOC	pH	METALS-AES	Metals-MS	Soil Moisture	SOM01-ARO	ARO-W	SOM01-PEST	PEST-W	SOM01-SVOA	SVOA-SIM	SVOA-W	SOM01-TVOA	TVOA-SIM	VOA-S	VOA-W
ESSB-11-C		Soil	B4FE8	11/28/07		1			23	2	1	9		21		67					52	
ESSB-11-D		Soil	B4FE9	11/28/07		1			23	2	1	9		21		67					52	
ESSB-07-A		Soil	B4FD0	11/29/07		1			23	2	1	9		21		67					52	
ESSB-07-B		Soil	B4FD1	11/29/07		1			23	2	1	9		21		67					52	
ESSB-12-A		Soil	B4GM5	11/29/07		1			23	2	1	9		21		67					52	
ESSB-12-B		Soil	B4GM6	11/29/07	8	1	1	1	23	2	1	9		21		67					52	
ESSB-14-A		Soil	B4GN3	11/29/07		1			23	2	1	9		21		67					52	
ESSB-14-B		Soil	B4GN4	11/29/07		1			23	2	1	9		21		67					52	
ESSB-14-C		Soil	B4GN5	11/29/07	8	1	1	1	23	2	1	9		21		67					52	
ESSB-14-D		Soil	B4GN6	11/29/07		1			23	2	1	9		21		67					52	
ESSB-13-A		Soil	B4GM9	11/30/07		1			23	See	1	9		21		67					52	
ESSB-13-B		Soil	B4GN0	11/30/07		1			23	Note	1	9		21		67					52	
ESSB-13-C		Soil	B4GN1	11/30/07		1			23	Below	1	9		21		67					52	
ESSB-13-D		Soil	B4GN2	11/30/07		1			23	↓	1	9		21		67					52	
IVSB-01-A		Soil	B4EX1	12/3/07		1			23	↓	1	9		21		67					52	
IVSB-01-B		Soil	B4EX2	12/3/07	8	1	1	1	23	↓	1	9		21		67					52	
IVSB-01-C		Soil	B4EX6	12/3/07		1			23	↓	1	9		21		67					52	
IVSB-01-D		Soil	B4GN8	12/3/07		1			23	↓	1			21		67					52	
IVSB-02-A		Soil	B4GN9	12/3/07		1			23	↓	1	9		21		67					52	
IVSB-02-B		Soil	B4GP0	12/3/07	8	1	1	1	23	↓	1	9		21		67					52	
IVSB-02-C		Soil	B4GP1	12/3/07		1			23	↓	1	9		21		67					52	
IVSB-02-D		Soil	B4GP2	12/3/07		1			23	↓	1	9		21		67					52	
IVSB-03-A		Soil	B4GP3	12/3/07		1			23	See	1	9		21		67					52	
IVSB-03-B		Soil	B4GP4	12/3/07		1			23	Note	1	9		21		67					52	
IVSB-03-C		Soil	B4GP5	12/3/07		1			23	Below	1	9		21		67					52	
IVSB-04-A		Soil	B4GP8	12/4/07		1			23	2	1	9		21		67					52	
IVSB-04-B		Soil	B4GP9	12/4/07		1			23	2	1	9		21		67					52	
IVSB-04-C		Soil	B4GQ0	12/4/07	8	1	1	1	23	2	1	9		21		67					52	
IVSB-04-D		Soil	B4L70	12/4/07		1			23	2	1	9		21		67					52	
IVSB-05-A		Soil	B4L71	12/4/07		1			23	2	1	9		21		67					52	
IVSB-05-B		Soil	B4L72	12/4/07	8	1	1	1	23	2	1	9		21		67					52	
IVSB-05-C		Soil	B4L73	12/4/07		1			23	2	1	9		21		67					52	
IVSB-05-D		Soil	B4L74	12/4/07		1			23	2	1	9		21		67					52	
IVSB-06-A		Soil	B4L75	12/4/07		1			23	2	1	9		21		67					52	
IVSB-06-B		Soil	B4L76	12/4/07		1			23	2	1	9		21		67					0	
IVSB-06-C		Soil	B4L77	12/4/07		1			23	See	1	9		21		67					52	
IVSB-06-D		Soil	B4L78	12/4/07	8	1	1	1	23	Note	1	9		21		67					52	
IVSB-07-A		Soil	B4L79	12/4/07		1			23	Below	1	9		21		67					52	
IVSB-07-B		Soil	B4L80	12/4/07		1			23	↓	1	9		21		67					52	
IVSB-07-C		Soil	B4L81	12/4/07		1			23	2	1	9		21		67					52	

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Sample Summary - Supply Wells, Soils and Packer Samples
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code	Blind	Matrix	CLP ID #s	Sample Date	Grain size	Cyanide	TOC	pH	METALS-AES	Metals-MS	Soil Moisture	SOM01-ARO	ARO-W	SOM01-PEST	PEST-W	SOM01-SVOA	SVOA-SIM	SVOA-W	SOM01-TVOA	TVOA-SIM	VOA-S	VOA-W
IVSB-07-D		Soil	B4L82	12/4/07		1			23	2	1	9		21		67					52	
IVSB-09-A		Soil	B4L92	12/4/07		1			23	2	1	9		21		67					52	
IVSB-06-B-RS		Soil	B4L96	12/5/07																	52	
IVSB-08-A		Soil	B4L83	12/5/07		1			23	2	1	9		21		67					52	
IVSB-08-B		Soil	B4L84	12/5/07		1			23	2	1	9		21		67					52	
IVSB-08-C		Soil	B4L85	12/5/07		1			23	2	1	9		21		67					52	
IVSB-08-D		Soil	B4L86	12/5/07		1			23	2	1	9		21		67					52	
IVSB-09-B		Soil	B4L93	12/5/07	8	1	1	1	23	2	1	9		21		67					52	
IVSB-09-C		Soil	B4L94	12/5/07		1			23	2	1	9		21		67					52	
IVSB-09-D		Soil	B4L95	12/5/07	8	1	1	1	23	2	1	9		21		67					52	
IVSB-10-A		Soil	B4L88	12/5/07		1			23	2	1	9		21		67					52	
IVSB-10-B		Soil	B4L89	12/5/07	8	1	1	1	23	V	1	9		21		67					52	
IVSB-10-C		Soil	B4L90	12/5/07		1			23	2	1	9		21		67					52	
IVSB-10-D		Soil	B4L91	12/5/07		1			23	2	1	9		21		67					52	
SHSB-01-A		Soil	B4L97	12/6/07		1			23	2	1	9		21		67					52	
SHSB-01-B		Soil	B4L98	12/6/07	8	1	1	1	23	2	1	9		21		67					52	
SHSB-01-C		Soil	B4L99	12/6/07		1			23	2	1	9		21		67					52	
SHSB-02-A		Soil	B4L40	12/6/07		1			23	2	1	9		21		67					52	
SHSB-02-B		Soil	B4L41	12/6/07		1			23	2	1	9		21		67					52	
SHSB-02-C		Soil	B4L42	12/6/07		1			23	2	1	9		21		67					52	
SHSB-02-D		Soil	B4L43	12/6/07		1			23	2	1	9		21		67					52	
SHSB-03-A		Soil	B4L44	12/6/07		1			23	2	1	9		21		67					52	
SHSB-03-B		Soil	B4L45	12/6/07		1			23	2	1	9		21		67					52	
SHSB-03-C		Soil	B4L46	12/6/07	8	1	1	1	23	2	1	9		21		67					52	
SHSB-07-A		Soil	B4L48	12/6/07		1			23	2	1	9		21		67					52	
SHSB-07-B		Soil	B4L49	12/6/07		1			23	2	1	9		21		67					52	
SHSB-04-A		Soil	B4L50	12/7/07		1			23	2	1	9		21		67					52	
SHSB-04-B		Soil	B4L51	12/7/07		1			23	2	1	9		21		67					52	
SHSB-04-C		Soil	B4L52	12/7/07		1			23	2	1	9		21		67					52	
SHSB-04-D		Soil	B4L53	12/7/07		1			23	2	1	9		21		67					52	
SHSB-05-A		Soil	B4L54	12/7/07		1			23	2	1	9		21		67					52	
SHSB-05-B		Soil	B4L55	12/7/07		1			23	2	1	9		21		67					52	
SHSB-05-C		Soil	B4L56	12/7/07		1			23	2	1	9		21		67					52	
SHSB-05-D		Soil	B4L57	12/7/07		1			23	2	1	9		21		67					52	
SHSB-06-A		Soil	B4L58	12/7/07		1			23	2	1	9		21		67					52	
SHSB-06-B		Soil	B4L59	12/7/07		1			23	2	1	9		21		67					52	
SHSB-06-C		Soil	B4L60	12/7/07		1			23	2	1	9		21		67					52	
SHSB-06-D		Soil	B4L61	12/7/07		1			23	2	1	9		21		67					52	
SHSB-08-A		Soil	B4L62	12/7/07		1			23	2	1	9		21		67					52	
SHSB-09-A		Soil	B4L63	12/10/07		1			23	2	1	9		21		67					52	

Table 1-1
Data Usability - 2009
Sample Summary - Supply Wells, Soils and Packer Samples
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code	Blind	Matrix	CLP ID #s	Sample Date	Grain size	Cyanide	TOC	pH	METALS-AES	Metals-MS	Soil Moisture	SOM01-ARO	ARO-W	SOM01-PEST	PEST-W	SOM01-SVOA	SVOA-SIM	SVOA-W	SOM01-TVOA	TVOA-SIM	VOA-S	VOA-W
SHSB-10-A		Soil	B4L67	12/10/07		1			23	2	1	9		21		67					52	
CSSB-01-A		Soil	B4LD3	12/12/07	8	1	1	1	23	2	1	9		21		67					52	
CSSB-01-B		Soil	B4LD5	12/12/07		1			23	V	1	9		21		67					52	
CSSB-02-A		Soil	B4LD4	12/12/07		1			23	2	1	9		21		67					52	
CSSB-02-B		Soil	B4LD6	12/12/07	8	1	1	1	23	2	1	9		21		67					52	
RMSB-09-D		Soil	B4LA9	12/12/07	8	1	1	1	23	V	1	9		21		67					52	
DQSB-01-A		Soil	B4LE1	12/13/07		1			23	2	1	9		21		67					52	
DQSB-02-A		Soil	B4LE2	12/13/07		1			23	2	1	9		21		67					52	
DQSB-03-A		Soil	B4LE3	12/13/07		1			23	2	1	9		21		67					52	
IDCSB-01-A		Soil	B4LD7	12/13/07	8	1	1	1	23	2	1	9		21		67					52	
IDCSB-03-A		Soil	B4LD8	12/13/07		1			23	2	1	9		21		67					52	
IDCSB-03-B		Soil	B4LD9	12/13/07		1			23	2	1	9		21		67					52	
IDCSB-04-A		Soil	B4LE4	12/13/07	8	1	1	1	23	2	1	9		21		67					52	
RCT-01-A		Soil	B4LE5	12/14/07		1			23	2	1	9		21		67					52	
RCT-02-A		Soil	B4LE7	12/14/07		1			23	2	1	9		21		67					52	
RCT-101-A		Soil	B4LE6	12/14/07		1			23	2	1	9		21		67					52	
RMSB-01-A		Soil	B4LE8	12/18/07		1			23	V	1	9		21		67					52	
RMSB-01-B		Soil	B4LE9	12/18/07		1			23	V	1	9		21		67					52	
RMSB-01-C		Soil	B4LF0	12/18/07	8	1	1	1	23	V	1	9		21		67					52	
RMSB-01-D		Soil	B4LF1	12/18/07		1			23	V	1	9		21		67					52	
RMSB-02-A		Soil	B4LF2	12/18/07		1			23	V	1	9		21		67					52	
RMSB-02-B		Soil	B4LF3	12/18/07	8	1	1	1	23	V	1	9		21		67					52	
RMSB-02-C		Soil	B4FL4	12/18/07		1			23	V	1	9		21		67					52	
RMSB-03-A		Soil	B4LF7	12/19/07		1			23	2	1	9		21		67					52	
RMSB-03-B		Soil	B4LF8	12/19/07		1			23	2	1	9		21		67					52	
RMSB-03-C		Soil	B4LF9	12/19/07	8	1	1	1	23	2	1	9		21		67					52	
RMSB-03-D		Soil	B4LG0	12/19/07		1			23	2	1	9		21		67					52	
RMSB-07-A		Soil	B4L68	12/19/07		1			23	V	1	9		21		67					52	
RMSB-07-B		Soil	B4L69	12/19/07	8	1	1	1	23	V	1	9		21		67					52	
RMSB-07-C		Soil	B4LD0	12/19/07		1			23	V	1	9		21		67					52	
RMSB-07-D		Soil	B4L64	12/19/07		1			23	V	1	9		21		67					52	
RMSB-08-A		Soil	B4L65	12/19/07		1			23	V	1	9		21		67					52	
RMSB-08-B		Soil	B4L66	12/19/07		1			23	V	1	9		21		67					52	
RMSB-08-C		Soil	B4LA4	12/19/07		1			21	2	1	9		21		67					52	
RMSB-08-D		Soil	B4LA5	12/19/07		1			23	V	1	9		21		67					52	
RMSB-09-A		Soil	B4LA6	12/19/07		1			23	V	1	9		21		67					52	
RMSB-09-B		Soil	B4LA7	12/19/07		1			23	V	1	9		21		67					52	
RMSB-09-C		Soil	B4LA8	12/19/07		1			23	V	1	9		21		67					52	
RMSB-04-A		Soil	B4LF5	12/20/07		1			23	2	1	9		21		67					52	
RMSB-04-B		Soil	B4GY8	12/20/07	8	1	1	1	23	2	1	9		21		67					52	

Table 1-1
Data Usability - 2009
Sample Summary - Supply Wells, Soils and Packer Samples
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code	Blind	Matrix	CLP ID #s	Sample Date	Grain size	Cyanide	TOC	pH	METALS-AES	Metals-MS	Soil Moisture	SOM01-ARO	ARO-W	SOM01-PEST	PEST-W	SOM01-SVOA	SVOA-SIM	SVOA-W	SOM01-TVOA	TVOA-SIM	VOA-S	VOA-W
RMSB-04-C		Soil	B4GZ1	12/20/07		1			23	2	1	9		21		67					52	
RMSB-04-D		Soil	B4H00	12/20/07		1			23	2	1	9		21		67					52	
RMSB-05-A		Soil	B4LB0	12/20/07		1			23	2	1	9		21		67					52	
RMSB-05-B		Soil	B4LB1	12/20/07		1			23	2	1	9		21		67					52	
RMSB-05-C		Soil	B4LB2	12/20/07	8	1	1	1	23	2	1	9		21		67					52	
RMSB-05-D		Soil	B4LB3	12/20/07		1			23	2	1	9		21		67					52	
RMSB-06-A		Soil	B4LB5	12/20/07		1			23	2	1	9		21		67					52	
RMSB-06-B		Soil	B4LB6	12/20/07	8	1	1	1	23	2	1	9		21		67					52	
RMSB-10-A		Soil	B4LB9	12/20/07		1			23	2	1	9		21		67					52	
RMSB-10-B		Soil	B4LC0	12/20/07		1			23	2	1	9		21		67					52	
RMSB-10-C		Soil	B4LC1	12/20/07	8	1	1	1	23	2	1	9		21		67					52	
SOIL BORING DUPLICATE SAMPLES																						
CCSB-02-C-DUP	CCSB-102-C	Soil	B4GX2	11/8/07	8	1	1	1	23	2	1	9		21		67					52	
CCSB-03-C-DUP	CCSB-103-C	Soil	B4GY3	11/9/07		1			23	2		9		21		67					52	
CCSB-04-B-DUP	CCSB-104-B	Soil	B4GX8	11/9/07		1			23	2	1	9		21		67					52	
PESB-09-B-DUP	PESB-109-B	Soil	B4H06	11/13/07		1			23	2		9		21		67					52	
PESB-05-C-DUP	PESB-105-C	Soil	B4H36	11/15/07		1			23	2	1	9		21		67					52	
ESSB-04-C-DUP	ESSB-104-C	Soil	B4FC1	11/20/07	8	1	1	1	23	2	1	9		21		67					52	
ESSB-14-C-DUP	ESSB-140-C	Soil	B4GN7	11/29/07	8	1	1	1	23	2	1	9		21		67					52	
IVSB-03-C-DUP	IVSB-103-C	Soil	B4GP7	12/3/07		1			23	V	1	9		21		67					52	
IVSB-08-D-DUP	IVSB-108-B	Soil	B4L87	12/5/07		1			23	2	1	9		21		67					52	
IDCSB-03-B-DUP	IDCSB-103-B	Soil	B4LE0	12/13/07		1			23	2	1	9		21		67					52	
RMSB-02-C-DUP	RMSB-102-C	Soil	B4LF6	12/18/07		1			23	V	1	9		21		67					52	
RMSB-05-B-DUP	RMSB-105-B	Soil	B4LB4	12/20/07	8	1	1	1	23	2	1	9		21		67					52	
SOIL BORING QC SAMPLES																						
FB110907		Soil	B4GY4	11/9/07		1				18			9		21			67				52
FB112707		Soil	B4GM4	11/27/07		1			23				9		21			67				52
FB111207-SG		Soil	B4H01	11/12/07																		52
FB111307		Soil	B4H11	11/13/07		1				18			9		21			67				
FB120707		Soil	B4L49	12/7/07		1			23				9		21			67				52
FB122007		Soil	B4LC3	12/20/07		1			23				9		21			67				52
PACKER SAMPLES - SDG 37315																						
PS-MPW2-211		GW	B4X88	6/26/08															51			
PS-MPW2-141		GW	B4X92	6/27/08															51			
PS-MPW2-163		GW	B4X93	6/27/08															51			
PS-MPW2-183		GW	B4X90	6/27/08															51			
PS-MPW2-199		GW	B4X89	6/27/08															51			
PS-MPW3-211		GW	B4X96	6/30/08															51			
PS-MPW3-139		GW	B4XA2	7/1/08															51			
PS-MPW3-163		GW	B4XA1	7/1/08															51			

Table 1-1
Data Usability - 2009
Sample Summary - Supply Wells, Soils and Packer Samples
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code	Blind	Matrix	CLP ID #s	Sample Date	Grain size	Cyanide	TOC	pH	METALS-AES	Metals-MS	Soil Moisture	SOM01-ARO	ARO-W	SOM01-PEST	PEST-W	SOM01-SVOA	SVOA-SIM	SVOA-W	SOM01-TVOA	TVOA-SIM	VOA-S	VOA-W
PS-MPW3-169		GW	B4XA0	7/1/08															51			
PS-MPW3-183		GW	B4X99	7/1/08															51			
PS-MPW3-199		GW	B4X97	7/1/08															51			
PS-MPW1-305		GW	B4XA6	7/2/08															51			
PS-MPW1-215		GW	B4XB1	7/3/08															51			
PS-MPW1-235		GW	B4XB0	7/3/08															51			
PS-MPW1-247		GW	B4XA8	7/3/08															51			
PS-MPW1-281		GW	B4XA7	7/3/08															51			
PS-MPW1-135		GW	B4XB5	7/7/08															51			
PS-MPW1-145		GW	B4XB4	7/7/08															51			
PS-MPW1-155		GW	B4XB3	7/7/08															51			
PS-MPW1-127		GW	B4XB7	7/8/08															51			
PS-MPW5-270		GW	B4XC3	7/9/08															51			
PS-MPW5-283		GW	B4XC1	7/9/08															51			
PS-MPW5-313		GW	B4XC0	7/9/08															51			
PS-MPW5-163		GW	B4XC7	7/10/08															51			
PS-MPW5-190		GW	B4XC6	7/10/08															51			
PS-MPW5-255		GW	B4XC4	7/10/08															51			
PS-MPW5-131		GW	B4XD1	7/11/08															51			
PS-MPW5-139		GW	B4XD0	7/11/08															51			
PS-MPW5-149		GW	B4XC9	7/11/08															51			
PS-MPW4-165		GW	B4XD5	7/14/08															51			
PS-MPW4-213		GW	B4XD4	7/14/08															51			
PS-MPW4-135		GW	B4XD9	7/15/08															51			
PS-MPW4-145		GW	B4XD8	7/15/08															51			
PS-MPW4-155		GW	B4XD7	7/15/08															51			
PS-MPW6-241		GW	B4XE4	7/17/08															51			
PS-MPW6-299		GW	B4XE3	7/17/08															51			
PS-MPW6-311		GW	B4XE2	7/17/08															51			
PS-MPW6-177		GW	B4XE8	7/18/08															51			
PS-MPW6-195		GW	B4XE7	7/18/08															51			
PS-MPW6-219		GW	B4XE5	7/18/08															51			
PS-MPW6-109		GW	B4XF1	7/21/08															51			
PS-MPW6-159		GW	B4XF0	7/21/08															51			
PACKER SAMPLING DUPLICATE SAMPLES																						
PS-MPW3-163-DUP	PS-MPW3-425	GW	B4XA3	7/1/08															51			
PS-MPW5-283-DUP	PS-MPW5-425	GW	B4XC2	7/9/08															51			
PS-MPW6-109-DUP	PS-MPW6-425	GW	B4XF2	7/21/08															51			

Table 1-1
Data Usability - 2009
Sample Summary - Supply Wells, Soils and Packer Samples
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code	Blind	Matrix	CLP ID #s	Sample Date	Grain size	Cyanide	TOC	pH	METALS-AES	Metals-MS	Soil Moisture	SOM01-ARO	ARO-W	SOM01-PEST	PEST-W	SOM01-SVOA	SVOA-SIM	SVOA-W	SOM01-TVOA	TVOA-SIM	VOA-S	VOA-W
PACKER SAMPLING QC SAMPLES																						
FB-062608	MPW-2	GW	B4X87	6/26/08														51				
TB-062608	MPW-2	GW	B4X86	6/26/08														51				
TB-062708	MPW-2	GW	B4X91	6/27/08														51				
FB-063008	MPW-3	GW	B4X95	6/30/08														51				
TB-063008	MPW-3	GW	B4X94	6/30/08														51				
TB-070108	MPW-3	GW	B4X98	7/1/08														51				
FB-070208	MPW-1	GW	B4XA5	7/2/08														51				
TB-070208	MPW-1	GW	B4XA4	7/2/08														51				
TB-070308	MPW-1	GW	B4XA9	7/3/08														51				
TB-070708	MPW-1	GW	B4XB2	7/7/08														51				
TB-070808	MPW-1	GW	B4XB6	7/8/08														51				
FB-070908	MPW-5	GW	B4XB8	7/9/08														51				
TB-070908	MPW-5	GW	B4XB9	7/9/08														51				
TB-071008	MPW-5	GW	B4XC5	7/10/08														51				
TB-071108	MPW-5	GW	B4XC8	7/11/08														51				
FB-071408	MPW-4	GW	B4XD2	7/14/08														51				
TB-071408	MPW-4	GW	B4XD3	7/14/08														51				
TB-071508	MPW-4	GW	B4XD6	7/15/08														51				
FB-071608	MPW-6	GW	B4XE1	7/16/08														51				
TB-071608	MPW-6	GW	B4XE0	7/16/08														51				
TB-071808	MPW-6	GW	B4XE6	7/18/08														51				
TB-072108	MPW-6	GW	B4XE9	7/21/08														51				

Notes and Abbreviations:

FB = Field blank
GW = Groundwater
MPW = Multiport well
MW = Monitoring Well
SB = Soil boring
TB = Trip blank

% = percent
Dup = Duplicate
ID = Identification
ARO= Aroclors (PCBs)
TVOA = Trace VOA
SDG = sample delivery group

AES = Atomic emission spectroscopy
ASTM = American Society for Testing and Materials
VOA = volatile organic compound
MS = Mass spectroscopy
QC = Quality Control
SIM = selective ion monitoring

TOC = Total organic carbon
PEST = Pesticides
SVOA = Semi-volatile
ASTMD421 = Grain size analysis

V MS analyses performed for these samples and have been incorporated into the 23 metals reported in the previous AES column.

Table 1-2
Data Usability - 2009
Sample Summary - Groundwater Samples
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Name	Blind	CLP ID #s	Sample Date	Alkalinity	Ammonia	Chloride	Hardness	TDS	TSS	Nitrate	Nitrite	TKN	Sulfate	Sulfide	TOC	Metals	Cyanide	MEE	PCB	Pesticide	SVOC	SVOC-SIM	TVOC	TVOC-SIM
GROUNDWATER SAMPLES - SDG 38176																								
MPW-1-P1-S1		B5136	1/13/09	1	1	1	1	1	1	1	1	1	1	1	23	1	3	9		67	20	51	2
MPW-1-P2-S1		B5137	1/13/09												23	1		9		67	20	51	2
MPW-1-P3-S1		B5138	1/13/09	1	1	1	1	1	1	1	1	1	1	1	23	1	3	9		67	20	51	2
MPW-1-P4-S1		B5139	1/13/09												23	1		9		67	20	51	2
MPW-1-P5-S1		B5140	1/13/09												23	1		9		67	20	51	2
MPW-1-P6-S1		B5141	1/13/09	1	1	1	1	1	1	1	1	1	1	1	23	1	3	9		67	20	51	2
MPW-5-P1-S1		B5155	1/14/09	1	1	1	1	1	1	1	1	1	1	1	23	1	3	9		67	20	51	2
MPW-5-P2-S1		B5156	1/14/09												23	1		9		67	20	51	2
MPW-5-P3-S1		B5157	1/14/09												23	1		9		67	20	51	2
MPW-5-P4-S1		B5158	1/14/09	1	1	1	1	1	1	1	1	1	1	1	23	1	3	9		67	20	51	2
MPW-5-P5-S1		B5159	1/14/09												23	1		9		67	20	51	2
MPW-5-P6-S1		B5160	1/14/09	1	1	1	1	1	1	1	1	1	1	1	23	1	3	9		67	20	51	2
MPW-4-P1-S1		B5151	1/15/09	1	1	1	1	1	1	1	1	1	1	1	23	1	3	9		67	20	51	2
MPW-4-P2-S1		B5152	1/15/09												23	1		9		67	20	51	2
MPW-4-P3-S1		B5153	1/15/09												23	1		9		67	20	51	2
MPW-4-P4-S1		B5154	1/15/09	1	1	1	1	1	1	1	1	1	1	1	23	1	3	9		67	20	51	2
MPW-5-P7-S1		B5161	1/15/09	1	1	1	1	1	1	1	1	1	1	1	23	1	3	9		67	20	51	2
MPW-2-P1-S1		B5142	1/16/09	1	1	1	1	1	1	1	1	1	1	1	23	1	3	9	21	67	20	51	2
MPW-2-P2-S1		B5143	1/16/09												23	1		9	21	67	20	51	2
MPW-2-P3-S1		B5144	1/16/09												23	1		9	21	67	20	51	2
MPW-2-P4-S1		B5145	1/16/09	1	1	1	1	1	1	1	1	1	1	1	23	1	3	9	21	67	20	51	2
MPW-3-P2-S1		B5147	1/16/09												23	1		9	21	67	20	51	2
MPW-3-P3-S1		B5148	1/16/09	1	1	1	1	1	1	1	1	1	1	1	23	1	3	9	21	67	20	51	2
MPW-3-P4-S1		B5149	1/16/09												23	1		9	21	67	20	51	2
MPW-3-P5-S1		B5150	1/16/09	1	1	1	1	1	1	1	1	1	1	1	23	1	3	9	21	67	20	51	2
MPW-3-P1-S1		B5146	1/19/09	1	1	1	1	1	1	1	1	1	1	1	23	1	3	9	21	67	20	51	2
MPW-6-P4-S1		B5165	1/19/09	1	1	1	1	1	1	1	1	1	1	1	23	1	3	9	21	67	20	51	2
MPW-6-P5-S1		B5166	1/19/09	1	1	1	1	1	1	1	1	1	1	1	23	1	3	9	21	67	20	51	2
MPW-6-P6-S1		B5167	1/19/09												23	1		9	21	67	20	51	2
MPW-6-P7-S1		B5168	1/19/09	1	1	1	1	1	1	1	1	1	1	1	23	1	3	9	21	67	20	51	2
MPW-6-P1-S1		B5162	1/20/09												23	1		9	21	67	20	51	2
MPW-6-P2-S1		B5163	1/20/09	1	1	1	1	1	1	1	1	1	1	1	23	1	3	9	21	67	20	51	2
MPW-6-P3-S1		B5164	1/20/09												23	1		9	21	67	20	51	2
GROUNDWATER DUPLICATE SAMPLES																								
MPW-5-P7-S1-DUP	MPW-55-P7-S1	B5176	1/15/09												23	1		9	21	67	20	51	2
MPW-6-P2-S1-DUP	MPW-66-P2-S1	B5177	1/20/09	1	1	1	1	1	1	1	1	1	1	1	23	1	3	9	21	67	20	51	2
GROUNDWATER QC SAMPLES																								
TB011309		B5170	1/13/09														3					51	2
TB011409		B5171	1/14/09														3					51	2
TB011509		B5172	1/15/09														3					51	2
TB011609		B5173	1/16/09														3					51	2
TB011909		B5174	1/19/09														3					51	2
TB012009		B5175	1/20/09														3					51	2
WB012009		B5178	1/20/09														3					51	2

Notes:

Dup = Duplicate
FB = field blank
TB = Trip blank
Water Blank

CLP = Contract laboratory program
QC = Quality Control
SIM = simultaneous ion monitoring
MEE = methane, ethane, ethene

TDS = total dissolved solids
TSS = total suspended solids
TKN = total Kjeldahl nitrogen
TOC = total organic carbon

PCB = polychlorinated biphenyl
SVOC = Semi-volatile organic compound
TVOC = Trace VOC
VOC = volatile organic compound

R2-0007901

Table 2
Laboratory Assignment, and Methods Used

Table 2
Data Usability - 2009
Assigned Laboratories, and Methods Used
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Parameter	Matrix	Planned Method/ SOW	Actual Method/ SOP# Used	Laboratory Used
Trace VOCs	Aqueous	SOM01.1	SOM01.1 & SOM01.2	CLP
Low level VOCs	Aqueous	SOM01.1	SOM01.1 & SOM01.2	CLP
TCL SVOCs	Aqueous	SOM01.1	SOM01.1 & SOM01.2	CLP
TCL Pesticides	Aqueous	SOM01.1	SOM01.1 & SOM01.2	CLP
TCL PCBs	Aqueous	SOM01.1	SOM01.1 & SOM01.2	CLP
TAL metals, & mercury	Aqueous	ILM05.3 (ICP-AES, & ICP-MS)	ILM05.3 & 5.4	CLP
TAL cyanide	Aqueous	ILM05.3	ILM05.3 & 5.4	CLP
Alkalinity	Aqueous	310.1	EPA SOP C-18	DESA
Ammonia	Aqueous	350.1/350.2	EPA SOP C-80	DESA
Ferrous iron	Aqueous	HACH 8146	HACH 8146	In-field
Hardness	Aqueous	130.1/130.2 or ILM05.3/200.7 by calculation	EPA SOP C-109	DESA
Chloride	Aqueous	325.1 or 300	EPA SOP C-94	DESA
Methane/ ethane/ ethene	Aqueous	RSK 175	EPA SOP C-124	DESA
Nitrate	Aqueous	352.1 or 300	EPA SOP C-79	DESA
Nitrite	Aqueous	354.1 or 300	EPA SOP C-79	DESA
Sulfate	Aqueous	375.3/375.4 or 300	EPA SOP C-94	DESA
Sulfide	Aqueous	376.2 or 376.1	EPA SOP C-115	DESA
TDS	Aqueous	160.1	EPA SOP C-37	DESA
TKN	Aqueous	351.2 or 351.4	EPA SOP C-40	DESA
TOC	Aqueous	415.1 or 415.2	EPA SOP C-83	DESA
TSS	Aqueous	160.2	EPA SOP C-33	DESA
TCL VOCs	Soil/ sediment	SOM01.1	SOM01.2	CLP
Moisture	Soil/ sediment	SOM01.1	SOM01.2	CLP
TCL SVOCs	Soil/ sediment	SOM01.1	SOM01.2	CLP
TCL Pesticides	Soil/ sediment	SOM01.1	SOM01.2	CLP
TCL PCBs	Soil/ sediment	SOM01.1	SOM01.2	CLP
TAL metals & mercury	Soil/ sediment	ILM05.3	ILM05.4	CLP
TAL cyanide	Soil/ sediment	ILM05.3	ILM05.4	CLP
pH	Soil/ sediment	SW-846 9045C	EPA SOP C-24	DESA
Grain size	Soil/ sediment	ASTM D421-85 and ASTM D422-63	EPA SOP Bio 8.3	DESA
TOC	Soil/ sediment	Lloyd Kahn	EPA SOP C-88	DESA

Notes & Abbreviations:

The SOPs listed above are the laboratory specific SOP references utilized by the EPA DESA laboratory. These SOPs are laboratory specific procedures to implement the requested analytical procedures and are not QAPP deviations. Any method deviations were approved prior to use and considered equivalent to provide the required information.

ASTM - American Society for Testing and Materials
CLP - contract laboratory program
DESA - Division of Science and Assessment
EPA - Environmental Protection Agency
ICP/AES - inductively coupled plasma/atomic emission spectrometry
MS - mass spectrophotometer
SIM - selective ion monitoring
kg - kilogram
mg/L - milligram per liter
NA - not applicable
TOC - total organic carbon
VOC - volatile organic compound
SVOC - Semi-volatile organic compound
PCBs - polychlorinated biphenyls

Table 2
Data Usability - 2009
Assigned Laboratories, and Methods Used
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

SOP - standard operating procedure

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Table 3 - Field Duplicates

Table 3-1; Supply (Existing) Well Samples - Field Duplicate Results

Table 3-2; Soil Boring Samples - Field Duplicate Results

Table 3-3; Packer Samples - Field Duplicate Results

Table 3-4; Groundwater Samples - Field Duplicate Results

Table 3-5; Field Duplicates Outlier Summary

Table 3-1
Data Usability-2009
Supply Well Samples Field Duplicate Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code / Sample Name / Sample Date / Chemical Name	Unit \\ Depth	IVAXS 7/19/2007		IVAXS-DUP IVAXS1 7/19/2007		RPD	ABS
Volatile Organic Compounds							
Dichlorodifluoromethane	µg/L	0.5	U	0.5	U	NC	NA
Chloromethane	µg/L	0.5	U	0.62	U	NC	NA
Vinyl Chloride	µg/L	0.5	U	0.5	U	NC	NA
Bromomethane	µg/L	0.5	U	0.5	U	NC	NA
Chloroethane	µg/L	0.5	U	0.5	U	NC	NA
Trichlorofluoromethane	µg/L	0.5	U	0.5	U	NC	NA
1,1-Dichloroethene	µg/L	49		52		5.9	3.00
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	0.19	J	0.19	J	0.0	0.00
Acetone	µg/L	5	U	5	U	NC	NA
Carbon Disulfide	µg/L	0.5	U	0.5	U	NC	NA
Methyl Acetate	µg/L	0.5	U	0.5	U	NC	NA
Methylene Chloride	µg/L	0.5	U	0.5	U	NC	NA
trans-1,2-Dichloroethene	µg/L	0.5	U	0.5	U	NC	NA
Methyl tert-Butyl Ether	µg/L	0.5	U	0.4	J	NC	0.10
1,1-Dichloroethane	µg/L	6.9	J	6.7	J	2.9	0.20
cis-1,2-Dichloroethene	µg/L	0.5	U	0.5	U	NC	NA
2-Butanone	µg/L	5	U	5	U	NC	NA
Chlorobromomethane	µg/L	0.5	U	0.5	U	NC	NA
Chloroform	µg/L	160		180		11.8	20.00
1,1,1-Trichloroethane	µg/L	0.5	U	0.5	U	NC	NA
Cyclohexane	µg/L	0.5	U	0.5	U	NC	NA
Carbon Tetrachloride	µg/L	0.5	U	0.5	U	NC	NA
Benzene	µg/L	0.5	U	0.5	U	NC	NA
1,2-Dichloroethane	µg/L	0.5	U	0.5	U	NC	NA
Trichloroethene	µg/L	0.5	U	0.12	J	NC	0.38
Methylcyclohexane	µg/L	0.5	U	0.5	U	NC	NA
1,2-Dichloropropane	µg/L	0.5	U	0.5	U	NC	NA
Bromodichloromethane	µg/L	1		1		0.0	0.00
cis-1,3-Dichloropropene	µg/L	0.5	U	0.5	U	NC	NA
4-Methyl-2-pentanone	µg/L	5	U	5	U	NC	NA
Toluene	µg/L	0.5	U	0.5	U	NC	NA
trans-1,3-Dichloropropene	µg/L	0.5	U	0.5	U	NC	NA
1,1,2-Trichloroethane	µg/L	0.49	J	0.52		5.9	0.03
Tetrachloroethene	µg/L	3.5		3.4		2.9	0.10
2-Hexanone	µg/L	5	U	5	U	NC	NA
Dibromochloromethane	µg/L	0.19	J	0.19	J	0.0	0.00
1,2-Dibromoethane	µg/L	0.5	U	0.5	U	NC	NA
Chlorobenzene	µg/L	0.5	U	0.5	U	NC	NA
Ethylbenzene	µg/L	0.5	U	0.5	U	NC	NA
o-Xylene	µg/L	0.5	U	0.5	U	NC	NA
m,p-Xylene	µg/L	0.5	U	0.5	U	NC	NA
Styrene	µg/L	0.5	U	0.5	U	NC	NA
Bromoform	µg/L	0.5	U	0.5	U	NC	NA
Isopropylbenzene	µg/L	0.5	U	0.5	U	NC	NA
1,1,2,2-Tetrachloroethane	µg/L	0.5	U	0.5	U	NC	NA
1,3-Dichlorobenzene	µg/L	0.5	U	0.5	U	NC	NA
1,4-Dichlorobenzene	µg/L	0.5	U	0.5	U	NC	NA
1,2-Dichlorobenzene	µg/L	0.5	U	0.5	U	NC	NA
1,2-Dibromo-3-chloropropane	µg/L	0.5	U	0.5	U	NC	NA
1,2,4-Trichlorobenzene	µg/L	0.5	U	0.5	U	NC	NA
1,2,3-Trichlorobenzene	µg/L	0.5	U	0.5	U	NC	NA

Table 3-1
Data Usability-2009
Supply Well Samples Field Duplicate Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		IVAXS		IVAXS-DUP		RPD	ABS
Sample Name		IVAXS		IVAXS1			
Sample Date	Unit \\	7/19/2007		7/19/2007			
Chemical Name	Depth						
Semi-Volatile Organic Compounds							
Benzaldehyde	ug/L	5	U	5	U	NC	NA
Phenol	ug/L	5	U	5	U	NC	NA
bis(2-Chloroethyl) ether	ug/L	5	U	5	U	NC	NA
2-Chlorophenol	ug/L	5	U	5	U	NC	NA
2-Methylphenol	ug/L	5	U	5	U	NC	NA
2,2'-oxybis(1-Chloropropane)	ug/L	5	U	5	U	NC	NA
Acetophenone	ug/L	5	U	5	U	NC	NA
4-Methylphenol	ug/L	5	U	5	U	NC	NA
n-Nitroso-di-n-propylamine	ug/L	5	U	5	U	NC	NA
Hexachloroethane	ug/L	5	U	5	U	NC	NA
Nitrobenzene	ug/L	5	U	5	U	NC	NA
Isophorone	ug/L	5	U	5	U	NC	NA
2-Nitrophenol	ug/L	5	U	5	U	NC	NA
2,4-Dimethylphenol	ug/L	5	U	5	U	NC	NA
bis(2-Chloroethoxy)methane	ug/L	5	U	5	U	NC	NA
2,4-Dichlorophenol	ug/L	5	U	5	U	NC	NA
Naphthalene	ug/L	5	U	5	U	NC	NA
4-Chloroaniline	ug/L	5	U	5	U	NC	NA
Hexachlorobutadiene	ug/L	5	U	5	U	NC	NA
Caprolactam	ug/L	5	U	5	U	NC	NA
4-Chloro-3-methylphenol	ug/L	5	U	5	U	NC	NA
2-Methylnaphthalene	ug/L	5	U	5	U	NC	NA
Hexachlorocyclopentadiene	ug/L	5	U	5	U	NC	NA
2,4,6-Trichlorophenol	ug/L	5	U	5	U	NC	NA
2,4,5-Trichlorophenol	ug/L	5	U	5	U	NC	NA
1,1'-Biphenyl	ug/L	5	U	5	U	NC	NA
2-Chloronaphthalene	ug/L	5	U	5	U	NC	NA
2-Nitroaniline	ug/L	10	U	10	U	NC	NA
Dimethylphthalate	ug/L	5	U	5	U	NC	NA
2,6-Dinitrotoluene	ug/L	5	U	5	U	NC	NA
Acenaphthylene	ug/L	5	U	5	U	NC	NA
3-Nitroaniline	ug/L	10	U	10	U	NC	NA
Acenaphthene	ug/L	5	U	5	U	NC	NA
2,4-Dinitrophenol	ug/L	10	U	10	U	NC	NA
4-Nitrophenol	ug/L	10	U	10	U	NC	NA
Dibenzofuran	ug/L	5	U	5	U	NC	NA
2,4-Dinitrotoluene	ug/L	5	U	5	U	NC	NA
Diethylphthalate	ug/L	5	U	5	U	NC	NA
Fluorene	ug/L	5	U	5	U	NC	NA
4-Chlorophenyl-phenylether	ug/L	5	U	5	U	NC	NA
4-Nitroaniline	ug/L	10	U	10	U	NC	NA
4,6-Dinitro-2-methylphenol	ug/L	10	U	10	U	NC	NA
n-Nitrosodiphenylamine	ug/L	5	U	5	U	NC	NA
1,2,4,5-Tetrachlorobenzene	ug/L	5	U	5	U	NC	NA
4-Bromophenyl-phenylether	ug/L	5	U	5	U	NC	NA
Hexachlorobenzene	ug/L	5	U	5	U	NC	NA
Atrazine	ug/L	5	U	5	U	NC	NA
Pentachlorophenol	ug/L	10	U	10	U	NC	NA
Phenanthrene	ug/L	5	U	5	U	NC	NA
Anthracene	ug/L	5	U	5	U	NC	NA
Carbazole	ug/L	5	U	5	U	NC	NA
Di-n-butylphthalate	ug/L	5	U	5	U	NC	NA
Fluoranthene	ug/L	5	U	5	U	NC	NA
Pyrene	ug/L	5	U	5	U	NC	NA
Butylbenzylphthalate	ug/L	0.36	J	0.31	J	14.9	0.05
3,3'-Dichlorobenzidine	ug/L	5	U	5	U	NC	NA
Benzo(a)anthracene	ug/L	5	U	5	U	NC	NA

Table 3-1
Data Usability-2009
Supply Well Samples Field Duplicate Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code / Sample Name / Sample Date / Chemical Name	Unit \\ Depth	IVAXS 7/19/2007		IVAXS-DUP IVAXS1 7/19/2007		RPD	ABS
Chrysene	ug/L	5	U	5	U	NC	NA
bis(2-Ethylhexyl) phthalate	ug/L	5	U	5	U	NC	NA
Di-n-octylphthalate	ug/L	5	U	5	U	NC	NA
Benzo(b)fluoranthene	ug/L	5	U	5	U	NC	NA
Benzo(k)fluoranthene	ug/L	5	U	5	U	NC	NA
Benzo(a)pyrene	ug/L	5	U	5	U	NC	NA
Indeno(1,2,3-cd)pyrene	ug/L	5	U	5	U	NC	NA
Dibenz(a,h)anthracene	ug/L	5	U	5	U	NC	NA
Benzo(g,h,i)perylene	ug/L	5	U	5	U	NC	NA
Chlorophenols	ug/L	5	U	5	U	NC	NA
Volatile Organic Compounds - SIM							
1,2-Dibromoethane	ug/L	0.05	U	0.05	U	NC	NA
1,2-Dibromo-3-chloropropane	ug/L	0.05	U	0.05	U	NC	NA
Semi-Volatile Organic Compounds - SIM							
Naphthalene	ug/L	0.1	U	0.1	U	NC	NA
2-Methylnaphthalene	ug/L	0.1	U	0.1	U	NC	NA
Acenaphthylene	ug/L	0.1	U	0.1	U	NC	NA
Acenaphthene	ug/L	0.1	U	0.1	U	NC	NA
Fluorene	ug/L	0.1	U	0.1	U	NC	NA
Pentachlorophenol	ug/L	0.2	U	0.2	U	NC	NA
Phenanthrene	ug/L	0.1	U	0.1	U	NC	NA
Anthracene	ug/L	0.1	U	0.1	U	NC	NA
Fluoranthene	ug/L	0.1	U	0.1	U	NC	NA
Pyrene	ug/L	0.1	U	0.1	U	NC	NA
Benzo(a)anthracene	ug/L	0.1	U	0.1	U	NC	NA
Chrysene	ug/L	0.1	U	0.1	U	NC	NA
Benzo(b)fluoranthene	ug/L	0.1	U	0.1	U	NC	NA
Benzo(k)fluoranthene	ug/L	0.1	U	0.1	U	NC	NA
Benzo(a)pyrene	ug/L	0.1	U	0.1	U	NC	NA
Indeno(1,2,3-cd)pyrene	ug/L	0.1	U	0.1	U	NC	NA
Dibenz(a,h)anthracene	ug/L	0.1	U	0.1	U	NC	NA
Benzo(g,h,i)perylene	ug/L	0.1	U	0.1	U	NC	NA
Aroclors							
Aroclor-1016	µg/L	1	U	1	U	NC	NA
Aroclor-1221	µg/L	1	U	1	U	NC	NA
Aroclor-1232	µg/L	1	U	1	U	NC	NA
Aroclor-1242	µg/L	1	U	1	U	NC	NA
Aroclor-1248	µg/L	1	U	1	U	NC	NA
Aroclor-1254	µg/L	1	U	1	U	NC	NA
Aroclor-1260	µg/L	1	U	1	U	NC	NA
Aroclor-1262	µg/L	1	U	1	U	NC	NA
Aroclor-1268	µg/L	1	U	1	U	NC	NA
Pesticides							
alpha-BHC	µg/L	0.05	U	0.05	U	NC	NA
beta-BHC	µg/L	0.05	U	0.05	U	NC	NA
delta-BHC	µg/L	0.05	U	0.05	U	NC	NA
gamma-BHC (Lindane)	µg/L	0.05	U	0.05	U	NC	NA
Heptachlor	µg/L	0.05	U	0.05	U	NC	NA
Aldrin	µg/L	0.05	U	0.05	U	NC	NA
Heptachlor epoxide	µg/L	0.05	U	0.05	U	NC	NA
Endosulfan I	µg/L	0.05	U	0.05	U	NC	NA
Dieldrin	µg/L	0.1	U	0.1	U	NC	NA
4,4'-DDE	µg/L	0.1	U	0.1	U	NC	NA
Endrin	µg/L	0.1	U	0.1	U	NC	NA

Table 3-1
Data Usability-2009
Supply Well Samples Field Duplicate Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code / Sample Name / Sample Date / Chemical Name	Unit \\ Depth	IVAXS 7/19/2007		IVAXS-DUP IVAXS1 7/19/2007		RPD	ABS
Endosulfan II	µg/L	0.1	U	0.1	U	NC	NA
4,4'-DDD	µg/L	0.1	U	0.1	U	NC	NA
Endosulfan sulfate	µg/L	0.1	U	0.1	U	NC	NA
4,4'-DDT	µg/L	0.1	U	0.1	U	NC	NA
Methoxychlor	µg/L	0.5	U	0.5	U	NC	NA
Endrin ketone	µg/L	0.1	U	0.1	U	NC	NA
Endrin aldehyde	µg/L	0.1	U	0.1	U	NC	NA
alpha-Chlordane	µg/L	0.05	U	0.05	U	NC	NA
gamma-Chlordane	µg/L	0.05	U	0.05	U	NC	NA
Toxaphene	µg/L	5	U	5	U	NC	NA
Inorganic Analytes							
Aluminum	µg/L	8.8	J	7.9	J	10.8	0.90
Antimony	µg/L	2	U	2	U	NC	NA
Arsenic	µg/L	0.58	J	1	U	NC	0.42
Barium	µg/L	245		229		6.8	16.00
Beryllium	µg/L	5	U	5	U	NC	NA
Cadmium	µg/L	1	U	1	U	NC	NA
Calcium	µg/L	37100		33700		9.6	3400.00
Chromium	µg/L	14.8		12.9		13.7	1.90
Cobalt	µg/L	50	U	50	U	NC	NA
Copper	µg/L	0.94	J	25	U	NC	24.06
Iron	µg/L	150		125		18.2	25.00
Lead	µg/L	10	U	10	U	NC	NA
Magnesium	µg/L	18100		16500		9.2	1600.00
Manganese	µg/L	5	U	15	U	NC	NA
Mercury	µg/L	0.2	U	0.2	U	NC	NA
Nickel	µg/L	14.8	J	12.4	J	17.6	2.40
Potassium	µg/L	2640	J	2380	J	10.4	260.00
Selenium	µg/L	5	U	5	U	NC	NA
Silver	µg/L	10	U	10	U	NC	NA
Sodium	µg/L	22300		20400		8.9	1900.00
Thallium	µg/L	1	U	1	U	NC	NA
Vanadium	µg/L	20.7	J	18.9	J	9.1	1.80
Zinc	µg/L	35.1	J	28.1	J	22.2	7.00
Cyanide	µg/L	4.3	J	3.6	J	17.7	0.70

Notes and Abbreviation:

1. RPD is calculated for all detected results.
2. ABS is calculated for results failing the RPD and where one result is detected and one is non-detect or results fall below the CRQL.
3. RPD values met criteria (below 50% RPD or ABS values below five times the CRQL).

ABS = absolute difference
RPD = relative percent difference
CRQL = contract required detection limit
J = estimated
NA = Not available or not applicable
NC = Not calculable
µg = microgram; L = liter
U = non-detect

Table 3-2
Data Usability - 2009
Field Duplicate Soil Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		CCSB-02-C		CCSB-02-C-DUP		RPD	ABS	CCSB-03-C		CCSB-03-C-DUP		RPD	ABS	CCSB-04-B		CCSB-04-B-DUP		RPD	ABS
Sample Name				CCSB-102-C						CCSB-103-C						CCSB-104-B			
Sample Date	Unit \\	11/8/2007		11/8/2007				11/9/2007		11/9/2007				11/9/2007		11/9/2007			
Chemical Name	Depth	21 to 23 ft		21 to 23 ft				21 to 23 ft		21 to 23 ft				5 to 7 ft		5 to 7 ft			
Volatile Organic Compounds																			
Dichlorodifluoromethane	µg/kg	7.4	U	7.7	U	NC	NA	7.4	U	7.4	U	NC	NA	6.9	U	7.2	U	NC	NA
Chloromethane	µg/kg	7.4	U	7.7	U	NC	NA	7.4	U	7.4	U	NC	NA	6.9	U	7.2	U	NC	NA
Vinyl Chloride	µg/kg	7.4	U	7.7	U	NC	NA	7.4	U	7.4	U	NC	NA	6.9	U	7.2	U	NC	NA
Bromomethane	µg/kg	7.4	U	7.7	U	NC	NA	7.4	U	7.4	U	NC	NA	6.9	U	7.2	U	NC	NA
Chloroethane	µg/kg	7.4	U	7.7	U	NC	NA	7.4	U	7.4	U	NC	NA	6.9	U	7.2	U	NC	NA
Trichlorofluoromethane	µg/kg	7.4	U	7.7	U	NC	NA	7.4	U	7.4	U	NC	NA	6.9	U	7.2	U	NC	NA
1,1-Dichloroethene	µg/kg	7.4	U	7.7	U	NC	NA	7.4	U	7.4	U	NC	NA	6.9	U	7.2	U	NC	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/kg	7.4	U	7.7	U	NC	NA	7.4	U	7.4	U	NC	NA	6.9	U	7.2	U	NC	NA
Acetone	µg/kg	40		32		22.2	8.0	15	U	15	U	NC	NA	14	U	14	U	NC	NA
Carbon Disulfide	µg/kg	7.4	U	7.7	U	NC	NA	7.4	U	7.4	U	NC	NA	6.9	U	7.2	U	NC	NA
Methyl Acetate	µg/kg	7.4	U	7.7	U	NC	NA	7.4	U	7.4	U	NC	NA	6.9	U	7.2	U	NC	NA
Methylene Chloride	µg/kg	7.4	U	7.7	U	NC	NA	7.4	U	7.4	U	NC	NA	6.9	U	7.2	U	NC	NA
trans-1,2-Dichloroethene	µg/kg	7.4	U	7.7	U	NC	NA	7.4	U	7.4	U	NC	NA	6.9	U	7.2	U	NC	NA
Methyl tert-Butyl Ether	µg/kg	7.4	U	7.7	U	NC	NA	7.4	U	7.4	U	NC	NA	6.9	U	7.2	U	NC	NA
1,1-Dichloroethane	µg/kg	7.4	U	7.7	U	NC	NA	7.4	U	7.4	U	NC	NA	6.9	U	7.2	U	NC	NA
cis-1,2-Dichloroethene	µg/kg	7.4	U	7.7	U	NC	NA	7.4	U	7.4	U	NC	NA	6.9	U	7.2	U	NC	NA
2-Butanone	µg/kg	15	U	15	U	NC	NA	15	U	15	U	NC	NA	14	U	14	U	NC	NA
Chlorobromomethane	µg/kg	7.4	U	7.7	U	NC	NA	7.4	U	7.4	U	NC	NA	6.9	U	7.2	U	NC	NA
Chloroform	µg/kg	7.4	U	7.7	U	NC	NA	7.4	U	7.4	U	NC	NA	6.9	U	7.2	U	NC	NA
1,1,1-Trichloroethane	µg/kg	7.4	U	7.7	U	NC	NA	7.4	U	7.4	U	NC	NA	6.9	U	7.2	U	NC	NA
Cyclohexane	µg/kg	7.4	U	7.7	U	NC	NA	7.4	U	7.4	U	NC	NA	6.9	U	7.2	U	NC	NA
Carbon Tetrachloride	µg/kg	7.4	U	7.7	U	NC	NA	7.4	U	7.4	U	NC	NA	6.9	U	7.2	U	NC	NA
Benzene	µg/kg	7.4	U	7.7	U	NC	NA	7.4	U	7.4	U	NC	NA	6.9	U	7.2	U	NC	NA
1,2-Dichloroethane	µg/kg	7.4	U	7.7	U	NC	NA	7.4	U	7.4	U	NC	NA	6.9	U	7.2	U	NC	NA
1,4-Dioxane	µg/kg	150	R	150	R	NC	NA	150	R	150	R	NC	NC	140	R	140	R	NC	NA
Trichloroethene	µg/kg	7.4	U	7.7	U	NC	NA	7.4	U	7.4	U	NC	NA	6.9	U	7.2	U	NC	NA
Methylcyclohexane	µg/kg	7.4	U	7.7	U	NC	NA	7.4	U	7.4	U	NC	NA	6.9	U	7.2	U	NC	NA
1,2-Dichloropropane	µg/kg	7.4	U	7.7	U	NC	NA	7.4	U	7.4	U	NC	NA	6.9	U	7.2	U	NC	NA
Bromodichloromethane	µg/kg	7.4	U	7.7	U	NC	NA	7.4	U	7.4	U	NC	NA	6.9	U	7.2	U	NC	NA
cis-1,3-Dichloropropene	µg/kg	7.4	U	7.7	U	NC	NA	7.4	U	7.4	U	NC	NA	6.9	U	7.2	U	NC	NA
4-Methyl-2-pentanone	µg/kg	15	U	15	U	NC	NA	15	U	15	U	NC	NA	14	U	14	U	NC	NA
Toluene	µg/kg	7.4	U	7.7	U	NC	NA	7.4	U	7.4	U	NC	NA	6.9	U	7.2	U	NC	NA
trans-1,3-Dichloropropene	µg/kg	7.4	U	7.7	U	NC	NA	7.4	U	7.4	U	NC	NA	6.9	U	7.2	U	NC	NA
1,1,2-Trichloroethane	µg/kg	7.4	U	7.7	U	NC	NA	7.4	U	7.4	U	NC	NA	6.9	U	7.2	U	NC	NA
Tetrachloroethene	µg/kg	7.4	U	7.7	U	NC	NA	7.4	U	7.4	U	NC	NA	6.9	U	7.2	U	NC	NA
2-Hexanone	µg/kg	15	U	15	U	NC	NA	15	U	15	U	NC	NA	14	U	14	U	NC	NA
Dibromochloromethane	µg/kg	7.4	U	7.7	U	NC	NA	7.4	U	7.4	U	NC	NA	6.9	U	7.2	U	NC	NA

Table 3-2
Data Usability - 2009
Field Duplicate Soil Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		CCSB-02-C		CCSB-02-C-DUP		RPD	ABS		CCSB-03-C		CCSB-03-C-DUP		RPD	ABS		CCSB-04-B		CCSB-04-B-DUP		RPD	ABS	
Sample Name				CCSB-102-C							CCSB-103-C							CCSB-104-B				
Sample Date	Unit \\	11/8/2007		11/8/2007					11/9/2007		11/9/2007					11/9/2007		11/9/2007				
Chemical Name	Depth	21 to 23 ft		21 to 23 ft					21 to 23 ft		21 to 23 ft					5 to 7 ft		5 to 7 ft				
1,2-Dibromoethane	µg/kg	7.4	U	7.7	U	NC	NA		7.4	U	7.4	U	NC	NA		6.9	U	7.2	U	NC	NA	
Chlorobenzene	µg/kg	7.4	U	7.7	U	NC	NA		7.4	U	7.4	U	NC	NA		6.9	U	7.2	U	NC	NA	
Ethylbenzene	µg/kg	7.4	U	7.7	U	NC	NA		7.4	U	7.4	U	NC	NA		6.9	U	7.2	U	NC	NA	
o-Xylene	µg/kg	7.4	U	7.7	U	NC	NA		7.4	U	7.4	U	NC	NA		6.9	U	7.2	U	NC	NA	
m,p-Xylene	µg/kg	7.4	U	7.7	U	NC	NA		7.4	U	7.4	U	NC	NA		6.9	U	7.2	U	NC	NA	
Styrene	µg/kg	7.4	U	7.7	U	NC	NA		7.4	U	7.4	U	NC	NA		6.9	U	7.2	U	NC	NA	
Bromoform	µg/kg	7.4	U	7.7	U	NC	NA		7.4	U	7.4	U	NC	NA		6.9	U	7.2	U	NC	NA	
Isopropylbenzene	µg/kg	7.4	U	7.7	U	NC	NA		7.4	U	7.4	U	NC	NA		6.9	U	7.2	U	NC	NA	
1,1,2,2-Tetrachloroethane	µg/kg	7.4	U	7.7	U	NC	NA		7.4	U	7.4	U	NC	NA		6.9	U	7.2	U	NC	NA	
1,3-Dichlorobenzene	µg/kg	7.4	U	7.7	U	NC	NA		7.4	U	7.4	U	NC	NA		6.9	U	7.2	U	NC	NA	
1,4-Dichlorobenzene	µg/kg	7.4	U	7.7	U	NC	NA		7.4	U	7.4	U	NC	NA		6.9	U	7.2	U	NC	NA	
1,2-Dichlorobenzene	µg/kg	7.4	U	7.7	U	NC	NA		7.4	U	7.4	U	NC	NA		6.9	U	7.2	U	NC	NA	
1,2-Dibromo-3-chloropropane	µg/kg	7.4	U	7.7	U	NC	NA		7.4	U	7.4	U	NC	NA		6.9	U	7.2	U	NC	NA	
1,2,4-Trichlorobenzene	µg/kg	7.4	U	7.7	U	NC	NA		7.4	U	7.4	U	NC	NA		6.9	U	7.2	U	NC	NA	
1,2,3-Trichlorobenzene	µg/kg	7.4	U	7.7	U	NC	NA		7.4	U	7.4	U	NC	NA		6.9	U	7.2	U	NC	NA	
Semi-Volatile Organic Compounds																						
Benzaldehyde	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA	
Phenol	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA	
bis(2-Chloroethyl) ether	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA	
2-Chlorophenol	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA	
2-Methylphenol	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA	
2,2'-oxybis(1-Chloropropane)	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA	
Acetophenone	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA	
4-Methylphenol	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA	
n-Nitroso-di-n-propylamine	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA	
Hexachloroethane	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA	
Nitrobenzene	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA	
Isophorone	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA	
2-Nitrophenol	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA	
2,4-Dimethylphenol	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA	
bis(2-Chloroethoxy)methane	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA	
2,4-Dichlorophenol	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA	
Naphthalene	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA	
4-Chloroaniline	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA	
Hexachlorobutadiene	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA	
Caprolactam	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA	
4-Chloro-3-methylphenol	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA	
2-Methylnaphthalene	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA	
Hexachlorocyclopentadiene	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA	

Table 3-2
Data Usability - 2009
Field Duplicate Soil Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		CCSB-02-C		CCSB-02-C-DUP		RPD	ABS		CCSB-03-C		CCSB-03-C-DUP		RPD	ABS		CCSB-04-B		CCSB-04-B-DUP		RPD	ABS
Sample Name				CCSB-102-C							CCSB-103-C							CCSB-104-B			
Sample Date	Unit \\	11/8/2007		11/8/2007					11/9/2007		11/9/2007					11/9/2007		11/9/2007			
Chemical Name	Depth	21 to 23 ft		21 to 23 ft					21 to 23 ft		21 to 23 ft					5 to 7 ft		5 to 7 ft			
2,4,6-Trichlorophenol	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
2,4,5-Trichlorophenol	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
1,1'-Biphenyl	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
2-Chloronaphthalene	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
2-Nitroaniline	µg/kg	510	U	520	U	NC	NA		520	U	520	U	NC	NA		510	U	510	U	NC	NA
Dimethylphthalate	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
2,6-Dinitrotoluene	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
Acenaphthylene	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
3-Nitroaniline	µg/kg	510	U	520	U	NC	NA		520	U	520	U	NC	NA		510	U	510	U	NC	NA
Acenaphthene	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
2,4-Dinitrophenol	µg/kg	510	U	520	U	NC	NA		520	U	520	U	NC	NA		510	U	510	U	NC	NA
4-Nitrophenol	µg/kg	510	U	520	U	NC	NA		520	U	520	U	NC	NA		510	U	510	U	NC	NA
Dibenzofuran	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
2,4-Dinitrotoluene	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
Diethylphthalate	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
Fluorene	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
4-Chlorophenyl-phenylether	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
4-Nitroaniline	µg/kg	510	U	520	U	NC	NA		520	U	520	U	NC	NA		510	U	510	U	NC	NA
4,6-Dinitro-2-methylphenol	µg/kg	510	U	520	U	NC	NA		520	U	520	U	NC	NA		510	U	510	U	NC	NA
n-Nitrosodiphenylamine	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
1,2,4,5-Tetrachlorobenzene	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
4-Bromophenyl-phenylether	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
Hexachlorobenzene	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
Atrazine	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
Pentachlorophenol	µg/kg	510	U	520	U	NC	NA		520	U	520	U	NC	NA		510	U	510	U	NC	NA
Phenanthrene	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
Anthracene	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
Carbazole	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
Di-n-butylphthalate	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
Fluoranthene	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
Pyrene	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
Butylbenzylphthalate	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
3,3'-Dichlorobenzidine	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
Benzo(a)anthracene	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
Chrysene	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
bis(2-Ethylhexyl) phthalate	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
Di-n-octylphthalate	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
Benzo(b)fluoranthene	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
Benzo(k)fluoranthene	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
Benzo(a)pyrene	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
Indeno(1,2,3-cd)pyrene	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
Dibenz(a,h)anthracene	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
Benzo(g,h,i)perylene	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA
Chlorophenols	µg/kg	270	U	270	U	NC	NA		270	U	270	U	NC	NA		260	U	260	U	NC	NA

Table 3-2
Data Usability - 2009
Field Duplicate Soil Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		CCSB-02-C		CCSB-02-C-DUP		RPD	ABS	CCSB-03-C		CCSB-03-C-DUP		RPD	ABS	CCSB-04-B		CCSB-04-B-DUP		RPD	ABS
Sample Name				CCSB-102-C						CCSB-103-C						CCSB-104-B			
Sample Date	Unit \\	11/8/2007		11/8/2007				11/9/2007		11/9/2007				11/9/2007		11/9/2007			
Chemical Name	Depth	21 to 23 ft		21 to 23 ft				21 to 23 ft		21 to 23 ft				5 to 7 ft		5 to 7 ft			
Pesticides																			
alpha-BHC	µg/kg	2.6	U	2.7	U	NC	NA	2.6	U	2.7	U	NC	NA	2.6	U	2.6	U	NC	NA
beta-BHC	µg/kg	2.6	U	2.7	U	NC	NA	2.6	U	2.7	U	NC	NA	2.6	U	2.6	U	NC	NA
delta-BHC	µg/kg	2.6	U	2.7	U	NC	NA	2.6	U	2.7	U	NC	NA	2.6	U	2.6	U	NC	NA
gamma-BHC (Lindane)	µg/kg	2.6	U	2.7	U	NC	NA	2.6	U	2.7	U	NC	NA	2.6	U	2.6	U	NC	NA
Heptachlor	µg/kg	2.6	U	2.7	U	NC	NA	2.6	U	2.7	U	NC	NA	2.6	U	2.6	U	NC	NA
Aldrin	µg/kg	2.6	U	2.7	U	NC	NA	2.6	U	2.7	U	NC	NA	2.6	U	2.6	U	NC	NA
Heptachlor epoxide	µg/kg	2.6	U	2.7	U	NC	NA	2.6	U	2.7	U	NC	NA	2.6	U	2.6	U	NC	NA
Endosulfan I	µg/kg	2.6	U	2.7	U	NC	NA	2.6	U	2.7	U	NC	NA	2.6	U	2.6	U	NC	NA
Dieldrin	µg/kg	5.1	U	5.2	U	NC	NA	5.1	U	5.2	U	NC	NA	5.1	U	5.1	U	NC	NA
4,4'-DDE	µg/kg	5.1	U	5.2	U	NC	NA	5.1	U	5.2	U	NC	NA	5.1	U	5.1	U	NC	NA
Endrin	µg/kg	5.1	U	5.2	U	NC	NA	5.1	U	5.2	U	NC	NA	5.1	U	5.1	U	NC	NA
Endosulfan II	µg/kg	5.1	U	5.2	U	NC	NA	5.1	U	5.2	U	NC	NA	5.1	U	5.1	U	NC	NA
4,4'-DDD	µg/kg	5.1	U	5.2	U	NC	NA	5.1	U	5.2	U	NC	NA	5.1	U	5.1	U	NC	NA
Endosulfan sulfate	µg/kg	5.1	U	5.2	U	NC	NA	5.1	U	5.2	U	NC	NA	5.1	U	5.1	U	NC	NA
4,4'-DDT	µg/kg	5.1	U	5.2	U	NC	NA	5.1	U	5.2	U	NC	NA	5.1	U	5.1	U	NC	NA
Methoxychlor	µg/kg	26	U	27	U	NC	NA	26	U	27	U	NC	NA	26	U	26	U	NC	NA
Endrin ketone	µg/kg	5.1	U	5.2	U	NC	NA	5.1	U	5.2	U	NC	NA	5.1	U	5.1	U	NC	NA
Endrin aldehyde	µg/kg	5.1	U	5.2	U	NC	NA	5.1	U	5.2	U	NC	NA	5.1	U	5.1	U	NC	NA
alpha-Chlordane	µg/kg	2.6	U	2.7	U	NC	NA	2.6	U	2.7	U	NC	NA	2.6	U	2.6	U	NC	NA
gamma-Chlordane	µg/kg	2.6	U	2.7	U	NC	NA	2.6	U	2.7	U	NC	NA	2.6	U	2.6	U	NC	NA
Toxaphene	µg/kg	260	U	270	U	NC	NA	260	U	270	U	NC	NA	260	U	260	U	NC	NA
PCBs																			
Aroclor-1016	µg/kg	51	U	52	U	NC	NA	51	U	52	U	NC	NA	51	U	51	U	NC	NA
Aroclor-1221	µg/kg	51	U	52	U	NC	NA	51	U	52	U	NC	NA	51	U	51	U	NC	NA
Aroclor-1232	µg/kg	51	U	52	U	NC	NA	51	U	52	U	NC	NA	51	U	51	U	NC	NA
Aroclor-1242	µg/kg	51	U	52	U	NC	NA	51	U	52	U	NC	NA	51	U	51	U	NC	NA
Aroclor-1248	µg/kg	51	U	52	U	NC	NA	51	U	52	U	NC	NA	51	U	51	U	NC	NA
Aroclor-1254	µg/kg	51	U	52	U	NC	NA	51	U	52	U	NC	NA	51	U	51	U	NC	NA
Aroclor-1260	µg/kg	51	U	52	U	NC	NA	51	U	52	U	NC	NA	51	U	51	U	NC	NA
Aroclor-1262	µg/kg	51	U	52	U	NC	NA	51	U	52	U	NC	NA	51	U	51	U	NC	NA
Aroclor-1268	µg/kg	51	U	52	U	NC	NA	51	U	52	U	NC	NA	51	U	51	U	NC	NA

Table 3-2
Data Usability - 2009
Field Duplicate Soil Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		CCSB-02-C		CCSB-02-C-DUP		RPD	ABS		CCSB-03-C		CCSB-03-C-DUP		RPD	ABS		CCSB-04-B		CCSB-04-B-DUP		RPD	ABS	
Sample Name				CCSB-102-C							CCSB-103-C							CCSB-104-B				
Sample Date	Unit \\	11/8/2007		11/8/2007					11/9/2007		11/9/2007					11/9/2007		11/9/2007				
Chemical Name	Depth	21 to 23 ft		21 to 23 ft					21 to 23 ft		21 to 23 ft					5 to 7 ft		5 to 7 ft				
Inorganic Analytes																						
Aluminum	µg/kg	18100000		21900000		19.0	NA		29100000		31400000		7.6	NA		14500000	J	37000000	J	**87.4**	**22500000.0**	*
Antimony	µg/kg	23700	U	24000	U	NC	NA		24000	U	23500	U	NC	NA		23400	U	23100	U	NC	NA	
Arsenic	µg/kg	1600	U	1600	U	NC	NA		1600	U	1600	U	NC	NA		1500	U	1500	U	NC	NA	
Barium	µg/kg	129000		178000		31.9	49000.0		182000		194000		6.4	NA		68100	J	177000	J	**88.9**	108900.0	
Beryllium	µg/kg	790	U	800	U	NC	NA		1500		1600		6.5	100.0		780	U	770	U	NC	NA	
Cadmium	µg/kg	890		850		4.6	40.0		2100		2300		9.1	200.0		1600		2000		22.2	NA	
Calcium	µg/kg	1100000	J	1260000	J	13.6	160000.0		951000	J	901000	J	5.4	50000.0		359000	J	331000	J	8.1	NA	
Chromium	µg/kg	33900		43300		24.4	NA		86200	J	102000	J	16.8	NA		39800	J	133000	J	**107.9**	**93200.0**	*
Cobalt	µg/kg	82000	J	151000	J	**59.2**	**69000.0**	*	89900		84700		6.0	NA		60100		76500		24.0	NA	
Copper	µg/kg	202000		252000		22.0	NA		499000		527000		5.5	NA		192000	J	345000	J	**57.0**	**153000.0**	*
Cyanide	µg/kg	3900	U	4000	U	NC	NA		4000	U	340	J	NC	3660.0		3900	U	130	J	NC	3770.0	
Iron	µg/kg	75600000	R	81300000	R	NC	NA		80100000	R	81500000	R	NC	NA		68300000	R	75500000	R	10.0	NA	
Lead	µg/kg	1600	U	1600	U	NC	NA		1600	U	1600	U	NC	NA		1500	U	1500	U	NC	NA	
Magnesium	µg/kg	1310000		1510000		14.2	200000.0		3490000	J	3690000	J	5.6	200000.0		690000	J	576000	J	18.0	NA	
Manganese	µg/kg	1880000	J	2680000	J	35.1	NA		1670000	J	1670000	J	0.0	NA		1050000	J	1040000	J	1.0	NA	
Mercury	µg/kg	160	U	160	U	NC	NA		160	U	92	J	NC	68.0		160	U	150	U	NC	NA	
Nickel	µg/kg	35700		36500		2.2	NA		102000		117000		13.7	NA		17200	R	97600		**140.1**	**80400.0**	
Potassium	µg/kg	790000	UJ	799000	UJ	NC	NA		799000	U	784000	U	NC	NA		778000	U	772000	U	NC	NA	
Selenium	µg/kg	5500	U	5600	U	NC	NA		5600	U	5500	U	NC	NA		5300	U	5400	U	NC	NA	
Silver	µg/kg	4400	J	4700	J	6.6	300.0		3000		3000		0.0	NA		2500		2600		3.9	NA	
Sodium	µg/kg	790000	U	59600	J	NC	730400.0		799000	U	146000	J	NC	653000.0		361000	J	113000	J	**104.6**	248000.0	ok
Thallium	µg/kg	3900	U	4000	U	NC	NA		4000	U	3900	U	NC	NA		3900	U	3900	U	NC	NA	
Vanadium	µg/kg	196000	J	210000	J	6.9	14000.0		238000		249000		4.5	11000.0		232000		279000		18.4	NA	
Zinc	µg/kg	59000	J	62500	J	5.8	NA		136000		148000		8.5	NA		54800	J	94000	J	**52.7**	39200.0	*

Notes and Abbreviation:
1. RPD is calculated for all detected results.
2. ABS is calculated for results failing the RPD; or where only one result is detected; or results fall
3. RPD values above 100% are bolded if when the RPD criteria applies.
ABS values above five times the detection limits or CRQL are bolded when the ABS criteria applies.
4. No values exceeded criteria.
5. Results rejected during data validation need no further evaluation.

ABS = absolute difference
RPD = relative percent difference
NA = Not available or not applicable
ft = feet
µg = microgram; kg= kilogram
NC = Not calculable
J = estimated
U = non-detect
CRQL = contract required detection limit

R2-0007914

Table 3-2
Data Usability - 2009
Field Duplicate Soil Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		PESB-09-B		PESB-09-B-DUP		RPD	ABS		PESB-05-C		PESB-05-C-DUP		RPD	ABS		ESSB-04-C		ESSB-04-C-DUP		RPD	ABS
Sample Name				PESB-109-B							PESB-105-C							ESSB-104-C			
Sample Date	Unit \\	11/13/2007		11/13/2007					11/15/2007		11/15/2007					11/20/2007		11/20/2007			
Chemical Name	Depth	9 to 11 ft		9 to 11 ft					5 to 7 ft							21 to 23 ft		21 to 23 ft			
Volatile Organic Compounds																					
Dichlorodifluoromethane	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
Chloromethane	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
Vinyl Chloride	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	UJ	7.5	UJ	NC	NA
Bromomethane	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
Chloroethane	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
Trichlorofluoromethane	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
1,1-Dichloroethene	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
Acetone	µg/kg	12	U	15	U	NC	NA		12	U	12	U	NC	NA		15	U	15	U	NC	NA
Carbon Disulfide	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
Methyl Acetate	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
Methylene Chloride	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
trans-1,2-Dichloroethene	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
Methyl tert-Butyl Ether	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
1,1-Dichloroethane	µg/kg	6.2	UJ	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
cis-1,2-Dichloroethene	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
2-Butanone	µg/kg	12	U	15	U	NC	NA		12	U	12	U	NC	NA		15	U	15	U	NC	NA
Chlorobromomethane	µg/kg	6.2	UJ	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
Chloroform	µg/kg	6.2	UJ	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
1,1,1-Trichloroethane	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
Cyclohexane	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
Carbon Tetrachloride	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
Benzene	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
1,2-Dichloroethane	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
1,4-Dioxane	µg/kg	120	R	150	R	NC	NA		120	R	120	R	NC	NA		150	R	150	R	NC	NA
Trichloroethene	µg/kg	6.2	U	7.3	U	NC	NA		6.1	UJ	6.2	UJ	NC	NA		7.3	U	7.5	U	NC	NA
Methylcyclohexane	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
1,2-Dichloropropane	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
Bromodichloromethane	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
cis-1,3-Dichloropropene	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
4-Methyl-2-pentanone	µg/kg	12	U	15	U	NC	NA		12	U	12	U	NC	NA		15	U	15	U	NC	NA
Toluene	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
trans-1,3-Dichloropropene	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
1,1,2-Trichloroethane	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
Tetrachloroethene	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
2-Hexanone	µg/kg	12	U	15	U	NC	NA		12	U	12	U	NC	NA		15	U	15	U	NC	NA
Dibromochloromethane	µg/kg	6.2	UJ	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA

Table 3-2
Data Usability - 2009
Field Duplicate Soil Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		PESB-09-B		PESB-09-B-DUP		RPD	ABS		PESB-05-C		PESB-05-C-DUP		RPD	ABS		ESSB-04-C		ESSB-04-C-DUP		RPD	ABS
Sample Name				PESB-109-B							PESB-105-C							ESSB-104-C			
Sample Date	Unit \\	11/13/2007		11/13/2007					11/15/2007		11/15/2007					11/20/2007		11/20/2007			
Chemical Name	Depth	9 to 11 ft		9 to 11 ft					5 to 7 ft		5 to 7 ft					21 to 23 ft		21 to 23 ft			
1,2-Dibromoethane	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
Chlorobenzene	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
Ethylbenzene	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
o-Xylene	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
m,p-Xylene	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
Styrene	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
Bromoform	µg/kg	6.2	UJ	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
Isopropylbenzene	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
1,1,2,2-Tetrachloroethane	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
1,3-Dichlorobenzene	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
1,4-Dichlorobenzene	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
1,2-Dichlorobenzene	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
1,2-Dibromo-3-chloropropane	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
1,2,4-Trichlorobenzene	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
1,2,3-Trichlorobenzene	µg/kg	6.2	U	7.3	U	NC	NA		6.1	U	6.2	U	NC	NA		7.3	U	7.5	U	NC	NA
Semi-Volatile Organic Compounds																					
Benzaldehyde	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
Phenol	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
bis(2-Chloroethyl) ether	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	U	250	UJ	NC	NA
2-Chlorophenol	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
2-Methylphenol	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
2,2'-oxybis(1-Chloropropane)	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	U	250	UJ	NC	NA
Acetophenone	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	U	250	UJ	NC	NA
4-Methylphenol	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
n-Nitroso-di-n-propylamine	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	U	250	UJ	NC	NA
Hexachloroethane	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	U	250	UJ	NC	NA
Nitrobenzene	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	U	250	UJ	NC	NA
Isophorone	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	U	250	UJ	NC	NA
2-Nitrophenol	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	U	250	UJ	NC	NA
2,4-Dimethylphenol	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
bis(2-Chloroethoxy)methane	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	U	250	UJ	NC	NA
2,4-Dichlorophenol	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
Naphthalene	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
4-Chloroaniline	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
Hexachlorobutadiene	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
Caprolactam	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
4-Chloro-3-methylphenol	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
2-Methylnaphthalene	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
Hexachlorocyclopentadiene	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA

R2-0007916

Table 3-2
Data Usability - 2009
Field Duplicate Soil Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		PESB-09-B		PESB-09-B-DUP		RPD	ABS		PESB-05-C		PESB-05-C-DUP		RPD	ABS		ESSB-04-C		ESSB-04-C-DUP		RPD	ABS
Sample Name				PESB-109-B							PESB-105-C							ESSB-104-C			
Sample Date	Unit \\	11/13/2007		11/13/2007					11/15/2007		11/15/2007					11/20/2007		11/20/2007			
Chemical Name	Depth	9 to 11 ft		9 to 11 ft					5 to 7 ft		5 to 7 ft					21 to 23 ft		21 to 23 ft			
2,4,6-Trichlorophenol	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
2,4,5-Trichlorophenol	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
1,1'-Biphenyl	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
2-Chloronaphthalene	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
2-Nitroaniline	µg/kg	480	U	490	U	NC	NA		450	U	450	U	NC	NA		500	U	490	UJ	NC	NA
Dimethylphthalate	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
2,6-Dinitrotoluene	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	U	250	UJ	NC	NA
Acenaphthylene	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
3-Nitroaniline	µg/kg	480	U	490	U	NC	NA		450	U	450	U	NC	NA		500	U	490	UJ	NC	NA
Acenaphthene	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
2,4-Dinitrophenol	µg/kg	480	U	490	U	NC	NA		450	U	450	U	NC	NA		500	U	490	UJ	NC	NA
4-Nitrophenol	µg/kg	480	U	490	U	NC	NA		450	U	450	U	NC	NA		500	U	490	UJ	NC	NA
Dibenzofuran	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
2,4-Dinitrotoluene	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	U	250	UJ	NC	NA
Diethylphthalate	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
Fluorene	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
4-Chlorophenyl-phenylether	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
4-Nitroaniline	µg/kg	480	U	490	U	NC	NA		450	U	450	U	NC	NA		500	U	490	UJ	NC	NA
4,6-Dinitro-2-methylphenol	µg/kg	480	U	490	U	NC	NA		450	U	450	U	NC	NA		500	U	490	U	NC	NA
n-Nitrosodiphenylamine	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	U	250	UJ	NC	NA
1,2,4,5-Tetrachlorobenzene	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
4-Bromophenyl-phenylether	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
Hexachlorobenzene	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
Atrazine	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
Pentachlorophenol	µg/kg	480	U	490	U	NC	NA		450	U	450	U	NC	NA		500	UJ	490	UJ	NC	NA
Phenanthrene	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
Anthracene	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
Carbazole	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
Di-n-butylphthalate	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
Fluoranthene	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
Pyrene	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
Butylbenzylphthalate	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
3,3'-Dichlorobenzidine	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
Benzo(a)anthracene	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
Chrysene	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
bis(2-Ethylhexyl) phthalate	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	150	J	NC	110.0
Di-n-octylphthalate	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	U	250	U	NC	NA
Benzo(b)fluoranthene	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
Benzo(k)fluoranthene	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
Benzo(a)pyrene	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
Indeno(1,2,3-cd)pyrene	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
Dibenz(a,h)anthracene	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
Benzo(g,h,i)perylene	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA
Chlorophenols	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	UJ	250	UJ	NC	NA

R2-0007917

Table 3-2
Data Usability - 2009
Field Duplicate Soil Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		PESB-09-B		PESB-09-B-DUP		RPD	ABS		PESB-05-C		PESB-05-C-DUP		RPD	ABS		ESSB-04-C		ESSB-04-C-DUP		RPD	ABS
Sample Name				PESB-109-B							PESB-105-C							ESSB-104-C			
Sample Date	Unit \\	11/13/2007		11/13/2007					11/15/2007		11/15/2007					11/20/2007		11/20/2007			
Chemical Name	Depth	9 to 11 ft		9 to 11 ft					5 to 7 ft		5 to 7 ft					21 to 23 ft		21 to 23 ft			
Pesticides																					
alpha-BHC	µg/kg	2.5	U	2.5	U	NC	NA		2.3	U	2.3	U	NC	NA		2.6	U	2.5	U	NC	NA
beta-BHC	µg/kg	2.5	U	2.5	U	NC	NA		2.3	U	2.3	U	NC	NA		2.6	U	2.5	U	NC	NA
delta-BHC	µg/kg	2.5	U	2.5	U	NC	NA		2.3	U	2.3	U	NC	NA		2.6	U	2.5	U	NC	NA
gamma-BHC (Lindane)	µg/kg	2.5	U	2.5	U	NC	NA		2.3	U	2.3	U	NC	NA		2.6	U	2.5	U	NC	NA
Heptachlor	µg/kg	2.5	U	2.5	U	NC	NA		2.3	U	2.3	U	NC	NA		2.6	U	2.5	U	NC	NA
Aldrin	µg/kg	2.5	U	2.5	U	NC	NA		2.3	U	2.3	U	NC	NA		2.6	U	2.5	U	NC	NA
Heptachlor epoxide	µg/kg	2.5	U	2.5	U	NC	NA		2.3	U	2.3	U	NC	NA		2.6	U	2.5	U	NC	NA
Endosulfan I	µg/kg	2.5	U	2.5	U	NC	NA		2.3	U	2.3	U	NC	NA		2.6	U	2.5	U	NC	NA
Dieldrin	µg/kg	4.8	U	4.9	U	NC	NA		4.5	U	4.5	U	NC	NA		5	U	4.9	U	NC	NA
4,4'-DDE	µg/kg	4.8	U	4.9	U	NC	NA		4.5	U	4.5	U	NC	NA		5	U	4.9	U	NC	NA
Endrin	µg/kg	4.8	U	4.9	U	NC	NA		4.5	U	4.5	U	NC	NA		5	U	4.9	U	NC	NA
Endosulfan II	µg/kg	4.8	U	4.9	U	NC	NA		4.5	U	4.5	U	NC	NA		6.7		4.9	U	NC	1.8
4,4'-DDD	µg/kg	4.8	U	4.9	U	NC	NA		4.5	U	4.5	U	NC	NA		5	U	4.9	U	NC	NA
Endosulfan sulfate	µg/kg	4.8	U	4.9	U	NC	NA		4.5	U	4.5	U	NC	NA		5	U	4.9	U	NC	NA
4,4'-DDT	µg/kg	4.8	U	4.9	U	NC	NA		4.5	U	4.5	U	NC	NA		5	U	4.9	U	NC	NA
Methoxychlor	µg/kg	25	U	25	U	NC	NA		23	U	23	U	NC	NA		26	U	25	U	NC	NA
Endrin ketone	µg/kg	4.8	U	4.9	U	NC	NA		4.5	U	4.5	U	NC	NA		5	U	4.9	U	NC	NA
Endrin aldehyde	µg/kg	4.8	U	4.9	U	NC	NA		4.5	U	4.5	U	NC	NA		5	U	4.9	U	NC	NA
alpha-Chlordane	µg/kg	2.5	U	2.5	U	NC	NA		2.3	U	2.3	U	NC	NA		2.6	U	2.5	U	NC	NA
gamma-Chlordane	µg/kg	2.5	U	2.5	U	NC	NA		2.3	U	2.3	U	NC	NA		2.6	U	2.5	U	NC	NA
Toxaphene	µg/kg	250	U	250	U	NC	NA		230	U	230	U	NC	NA		260	U	250	U	NC	NA
PCBs																					
Aroclor-1016	µg/kg	47	U	49	U	NC	NA		45	UJ	45	UJ	NC	NA		50	R	49	R	NC	NA
Aroclor-1221	µg/kg	47	U	49	U	NC	NA		45	UJ	45	UJ	NC	NA		50	R	49	R	NC	NA
Aroclor-1232	µg/kg	47	U	49	U	NC	NA		45	UJ	45	UJ	NC	NA		50	R	49	R	NC	NA
Aroclor-1242	µg/kg	47	U	49	U	NC	NA		45	UJ	45	UJ	NC	NA		50	R	49	R	NC	NA
Aroclor-1248	µg/kg	47	U	49	U	NC	NA		45	UJ	45	UJ	NC	NA		50	R	49	R	NC	NA
Aroclor-1254	µg/kg	47	U	49	U	NC	NA		45	UJ	45	UJ	NC	NA		50	R	49	R	NC	NA
Aroclor-1260	µg/kg	47	U	49	U	NC	NA		45	UJ	45	UJ	NC	NA		50	R	49	R	NC	NA
Aroclor-1262	µg/kg	47	U	49	U	NC	NA		45	UJ	45	UJ	NC	NA		50	R	49	R	NC	NA
Aroclor-1268	µg/kg	47	U	49	U	NC	NA		45	UJ	45	UJ	NC	NA		50	R	49	R	NC	NA

Table 3-2
Data Usability - 2009
Field Duplicate Soil Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		PESB-09-B		PESB-09-B-DUP		RPD	ABS		PESB-05-C		PESB-05-C-DUP		RPD	ABS		ESSB-04-C		ESSB-04-C-DUP		RPD	ABS
Sample Name				PESB-109-B							PESB-105-C										
Sample Date	Unit \\	11/13/2007		11/13/2007					11/15/2007		11/15/2007					11/20/2007		11/20/2007			
Chemical Name	Depth	9 to 11 ft		9 to 11 ft					5 to 7 ft		5 to 7 ft					21 to 23 ft		21 to 23 ft			
Inorganic Analytes																					
Aluminum	µg/kg	6610000		17400000		**89.9**	NA	*	10800000		12600000		15.4	NA		12200000		10900000		11.3	NA
Antimony	µg/kg	2200	U	2200	U	NC	NA		2100	U	2100	U	NC	NA		2300	U	230	U	NC	NA
Arsenic	µg/kg	5200		1700		**101.4**	3500.0	ok	1400	U	1400	U	NC	NA		1500	U	1500	U	NC	NA
Barium	µg/kg	405000		325000		21.9	NA		56000		38100		38.0	17900.0		199000		175000		12.8	NA
Beryllium	µg/kg	720	U	880		NC	160.0		690	U	690	U	NC	NA		830		800		3.7	30.0
Cadmium	µg/kg	720	U	750	U	NC	NA		130	J	690	U	NC	560.0		750	U	750	U	NC	NA
Calcium	µg/kg	720000	U	752000	U	NC	NA		447000	J	412000	J	8.1	35000.0		472000	J	376000	J	22.6	96000.0
Chromium	µg/kg	41900		50600		18.8	NA		43800		54900		22.5	NA		8400	J	12300	J	37.7	NA
Cobalt	µg/kg	60700		59400		2.2	NA		36200		14100		**87.9**	22100.0	ok	44900		35000		24.8	9900.0
Copper	µg/kg	83900		273000		**106.0**	**189100.0**	*	105000		108000		2.8	NA		133000		127000		4.6	NA
Cyanide	µg/kg	3600	U	3800	U	NC	NA		3400	U	3400	U	NC	NA		3800	U	3800	U	NC	NA
Iron	µg/kg	68800000		55300000		21.8	NA		56200000		55000000		2.2	NA		27000000		27400000		1.5	NA
Lead	µg/kg	1400	UJ	1500	UJ	NC	NA		1400	UJ	1400	UJ	NC	NA		1500	UJ	1500	UJ	NC	NA
Magnesium	µg/kg	720000	U	8180000		NC	**7460000.0**	*	356000	J	311000	J	13.5	45000.0		5990000		4780000		22.5	NA
Manganese	µg/kg	2820000		1650000		**52.3**	**1170000.0**	*	856000		610000		33.6	NA		1250000		933000		29.0	NA
Mercury	µg/kg	140	U	150	U	NC	NA		140		140	U	NC	0.0		150	U	150	U	NC	NA
Nickel	µg/kg	11800		40200		**109.2**	28400.0	ok	12900		20400		45.0	7500.0		25900		22800		12.7	3100.0
Potassium	µg/kg	720000	U	752000	U	NC	NA		686000	U	687000	U	NC	1000.0		752000	UJ	752000	UJ	NC	NA
Selenium	µg/kg	5000	U	5300	U	NC	NA		4800	U	4800	U	NC	NA		5300	U	5300	U	NC	NA
Silver	µg/kg	4600	J	3900	J	16.5	700.0		4000	J	4000	J	0.0	0.0		2800	J	2800	J	0.0	0.0
Sodium	µg/kg	720000	U	752000	U	NC	NA		686000	U	687000	U	NC	1000.0		752000	U	752000	U	NC	NA
Thallium	µg/kg	360	U	370	U	NC	NA		340	U	340	U	NC	NA		380	U	380	UJ	NC	NA
Vanadium	µg/kg	146000		108000		29.9	38000.0		153000		148000		3.3	5000.0		81200		84200		3.6	3000.0
Zinc	µg/kg	21400		202000		**161.7**	**180600.0**	*	33000		33400		1.2	400.0		168000		138000		19.6	NA

Notes and Abbreviation:
1. RPD is calculated for all detected results.
2. ABS is calculated for results failing the RPD; or where only one result is detected; or results fall below the CRQL.
3. RPD values above 100% are bolded if when the RPD criteria applies.
ABS values above five times the detection limits or CRQL are bolded when the ABS criteria applies.
4. No values exceeded criteria.
5. Results rejected during data validation need no further evaluation.

ABS = absolute difference
RPD = relative percent difference
NA = Not available or not applicable
ft = feet
µg = microgram; kg= kilogram
NC = Not calculable
J = estimated
U = non-detect
CRQL = contract required detection limit

Table 3-2
Data Usability - 2009
Field Duplicate Soil Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code Sample Name Sample Date Chemical Name	Unit \\ Depth	
Volatile Organic Compounds		
Dichlorodifluoromethane	µg/kg	
Chloromethane	µg/kg	
Vinyl Chloride	µg/kg	
Bromomethane	µg/kg	
Chloroethane	µg/kg	
Trichlorofluoromethane	µg/kg	
1,1-Dichloroethene	µg/kg	
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/kg	
Acetone	µg/kg	
Carbon Disulfide	µg/kg	
Methyl Acetate	µg/kg	
Methylene Chloride	µg/kg	
trans-1,2-Dichloroethene	µg/kg	
Methyl tert-Butyl Ether	µg/kg	
1,1-Dichloroethane	µg/kg	
cis-1,2-Dichloroethene	µg/kg	
2-Butanone	µg/kg	
Chlorobromomethane	µg/kg	
Chloroform	µg/kg	
1,1,1-Trichloroethane	µg/kg	
Cyclohexane	µg/kg	
Carbon Tetrachloride	µg/kg	
Benzene	µg/kg	
1,2-Dichloroethane	µg/kg	
1,4-Dioxane	µg/kg	
Trichloroethene	µg/kg	
Methylcyclohexane	µg/kg	
1,2-Dichloropropane	µg/kg	
Bromodichloromethane	µg/kg	
cis-1,3-Dichloropropene	µg/kg	
4-Methyl-2-pentanone	µg/kg	
Toluene	µg/kg	
trans-1,3-Dichloropropene	µg/kg	
1,1,2-Trichloroethane	µg/kg	
Tetrachloroethene	µg/kg	
2-Hexanone	µg/kg	
Dibromochloromethane	µg/kg	

Table 3-2
Data Usability - 2009
Field Duplicate Soil Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code Sample Name Sample Date Chemical Name	Unit \\ Depth	
1,2-Dibromoethane	µg/kg	
Chlorobenzene	µg/kg	
Ethylbenzene	µg/kg	
o-Xylene	µg/kg	
m,p-Xylene	µg/kg	
Styrene	µg/kg	
Bromoform	µg/kg	
Isopropylbenzene	µg/kg	
1,1,2,2-Tetrachloroethane	µg/kg	
1,3-Dichlorobenzene	µg/kg	
1,4-Dichlorobenzene	µg/kg	
1,2-Dichlorobenzene	µg/kg	
1,2-Dibromo-3-chloropropane	µg/kg	
1,2,4-Trichlorobenzene	µg/kg	
1,2,3-Trichlorobenzene	µg/kg	
Semi-Volatile Organic Compounds		
Benzaldehyde	µg/kg	
Phenol	µg/kg	
bis(2-Chloroethyl) ether	µg/kg	
2-Chlorophenol	µg/kg	
2-Methylphenol	µg/kg	
2,2'-oxybis(1-Chloropropane)	µg/kg	
Acetophenone	µg/kg	
4-Methylphenol	µg/kg	
n-Nitroso-di-n-propylamine	µg/kg	
Hexachloroethane	µg/kg	
Nitrobenzene	µg/kg	
Isophorone	µg/kg	
2-Nitrophenol	µg/kg	
2,4-Dimethylphenol	µg/kg	
bis(2-Chloroethoxy)methane	µg/kg	
2,4-Dichlorophenol	µg/kg	
Naphthalene	µg/kg	
4-Chloroaniline	µg/kg	
Hexachlorobutadiene	µg/kg	
Caprolactam	µg/kg	
4-Chloro-3-methylphenol	µg/kg	
2-Methylnaphthalene	µg/kg	
Hexachlorocyclopentadiene	µg/kg	

Table 3-2
Data Usability - 2009
Field Duplicate Soil Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code Sample Name Sample Date Chemical Name	Unit \\ Depth	
2,4,6-Trichlorophenol	µg/kg	
2,4,5-Trichlorophenol	µg/kg	
1,1'-Biphenyl	µg/kg	
2-Chloronaphthalene	µg/kg	
2-Nitroaniline	µg/kg	
Dimethylphthalate	µg/kg	
2,6-Dinitrotoluene	µg/kg	
Acenaphthylene	µg/kg	
3-Nitroaniline	µg/kg	
Acenaphthene	µg/kg	
2,4-Dinitrophenol	µg/kg	
4-Nitrophenol	µg/kg	
Dibenzofuran	µg/kg	
2,4-Dinitrotoluene	µg/kg	
Diethylphthalate	µg/kg	
Fluorene	µg/kg	
4-Chlorophenyl-phenylether	µg/kg	
4-Nitroaniline	µg/kg	
4,6-Dinitro-2-methylphenol	µg/kg	
n-Nitrosodiphenylamine	µg/kg	
1,2,4,5-Tetrachlorobenzene	µg/kg	
4-Bromophenyl-phenylether	µg/kg	
Hexachlorobenzene	µg/kg	
Atrazine	µg/kg	
Pentachlorophenol	µg/kg	
Phenanthrene	µg/kg	
Anthracene	µg/kg	
Carbazole	µg/kg	
Di-n-butylphthalate	µg/kg	
Fluoranthene	µg/kg	
Pyrene	µg/kg	
Butylbenzylphthalate	µg/kg	
3,3'-Dichlorobenzidine	µg/kg	
Benzo(a)anthracene	µg/kg	
Chrysene	µg/kg	
bis(2-Ethylhexyl) phthalate	µg/kg	
Di-n-octylphthalate	µg/kg	
Benzo(b)fluoranthene	µg/kg	
Benzo(k)fluoranthene	µg/kg	
Benzo(a)pyrene	µg/kg	
Indeno(1,2,3-cd)pyrene	µg/kg	
Dibenz(a,h)anthracene	µg/kg	
Benzo(g,h,i)perylene	µg/kg	
Chlorophenols	µg/kg	

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Table 3-2
Data Usability - 2009
Field Duplicate Soil Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code Sample Name Sample Date Chemical Name	Unit \\ Depth	
Pesticides		
alpha-BHC	µg/kg	
beta-BHC	µg/kg	
delta-BHC	µg/kg	
gamma-BHC (Lindane)	µg/kg	
Heptachlor	µg/kg	
Aldrin	µg/kg	
Heptachlor epoxide	µg/kg	
Endosulfan I	µg/kg	
Dieldrin	µg/kg	
4,4'-DDE	µg/kg	
Endrin	µg/kg	
Endosulfan II	µg/kg	
4,4'-DDD	µg/kg	
Endosulfan sulfate	µg/kg	
4,4'-DDT	µg/kg	
Methoxychlor	µg/kg	
Endrin ketone	µg/kg	
Endrin aldehyde	µg/kg	
alpha-Chlordane	µg/kg	
gamma-Chlordane	µg/kg	
Toxaphene	µg/kg	
PCBs		
Aroclor-1016	µg/kg	
Aroclor-1221	µg/kg	
Aroclor-1232	µg/kg	
Aroclor-1242	µg/kg	
Aroclor-1248	µg/kg	
Aroclor-1254	µg/kg	
Aroclor-1260	µg/kg	
Aroclor-1262	µg/kg	
Aroclor-1268	µg/kg	

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Table 3-2
Data Usability - 2009
Field Duplicate Soil Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code Sample Name Sample Date Chemical Name	Unit \\ Depth	
Inorganic Analytes		
Aluminum	µg/kg	
Antimony	µg/kg	
Arsenic	µg/kg	
Barium	µg/kg	
Beryllium	µg/kg	
Cadmium	µg/kg	
Calcium	µg/kg	
Chromium	µg/kg	
Cobalt	µg/kg	
Copper	µg/kg	
Cyanide	µg/kg	
Iron	µg/kg	
Lead	µg/kg	
Magnesium	µg/kg	
Manganese	µg/kg	
Mercury	µg/kg	
Nickel	µg/kg	
Potassium	µg/kg	
Selenium	µg/kg	
Silver	µg/kg	
Sodium	µg/kg	
Thallium	µg/kg	
Vanadium	µg/kg	
Zinc	µg/kg	

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Table 3-2
Data Usability - 2009
Field Duplicate Soil Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		ESSB-14-C		ESSB-14-C-DUP		RPD	ABS		IVSB-03-C		IVSB-03-C-DUP		RPD	ABS		IVSB-08-D		IVSB-08-D-DUP		RPD	ABS	
Sample Name				ESSB-140-C							IVSB-103-C							IVSB-108-B				
Sample Date	Unit \\	11/29/2007		11/29/2007					12/3/2007		12/3/2007					12/5/2007		12/5/2007				
Chemical Name	Depth	21 to 23 ft		21 to 23 ft					42 to 44 ft		42 to 44 ft					40 to 42 ft		40 to 42 ft				
Volatile Organic Compounds																						
Dichlorodifluoromethane	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
Chloromethane	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
Vinyl Chloride	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
Bromomethane	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
Chloroethane	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
Trichlorofluoromethane	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
1,1-Dichloroethene	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
Acetone	µg/kg	26		29		10.9	3.0		24		42		**54.5**	18.0	ok	14	U	13	U	NC	NA	
Carbon Disulfide	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
Methyl Acetate	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
Methylene Chloride	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
trans-1,2-Dichloroethene	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
Methyl tert-Butyl Ether	µg/kg	15		19		23.5	4.0		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
1,1-Dichloroethane	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
cis-1,2-Dichloroethene	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
2-Butanone	µg/kg	12	J	13	J	8.0	1.0		15	U	13	U	NC	NA		12	U	13	U	NC	NA	
Chlorobromomethane	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
Chloroform	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
1,1,1-Trichloroethane	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
Cyclohexane	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
Carbon Tetrachloride	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
Benzene	µg/kg	14		30		**72.7**	16.0	ok	7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
1,2-Dichloroethane	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
1,4-Dioxane	µg/kg	140	R	130	R	NC	NA		150	R	130	R	NC	NA		120	R	130	R	NC	NA	
Trichloroethene	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
Methylcyclohexane	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
1,2-Dichloropropane	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
Bromodichloromethane	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
cis-1,3-Dichloropropene	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
4-Methyl-2-pentanone	µg/kg	45		45		0.0	0.0		15	U	13	U	NC	NA		12	U	13	U	NC	NA	
Toluene	µg/kg	7.1		14		**65.4**	6.9	ok	7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
trans-1,3-Dichloropropene	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
1,1,2-Trichloroethane	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
Tetrachloroethene	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
2-Hexanone	µg/kg	14	U	13	U	NC	NA		15	U	13	U	NC	NA		12	U	13	U	NC	NA	
Dibromochloromethane	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	

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Table 3-2
Data Usability - 2009
Field Duplicate Soil Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		ESSB-14-C		ESSB-14-C-DUP		RPD	ABS		IVSB-03-C		IVSB-03-C-DUP		RPD	ABS		IVSB-08-D		IVSB-08-D-DUP		RPD	ABS	
Sample Name				ESSB-140-C							IVSB-103-C							IVSB-108-B				
Sample Date	Unit \\	11/29/2007		11/29/2007					12/3/2007		12/3/2007					12/5/2007		12/5/2007				
Chemical Name	Depth	21 to 23 ft		21 to 23 ft					42 to 44 ft		42 to 44 ft					40 to 42 ft		40 to 42 ft				
1,2-Dibromoethane	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
Chlorobenzene	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
Ethylbenzene	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
o-Xylene	µg/kg	5.2	J	8.9		**52.5**	3.7	ok	7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
m,p-Xylene	µg/kg	13		25		**63.2**	12.0	ok	7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
Styrene	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
Bromoform	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
Isopropylbenzene	µg/kg	7.1	U	0.75	J	NC	6.4		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
1,1,2,2-Tetrachloroethane	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
1,3-Dichlorobenzene	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
1,4-Dichlorobenzene	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	1.2	J	NC	6.5		1.1	J	0.82	J	29.2	0.3	
1,2-Dichlorobenzene	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
1,2-Dibromo-3-chloropropane	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
1,2,4-Trichlorobenzene	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
1,2,3-Trichlorobenzene	µg/kg	7.1	U	6.6	U	NC	NA		7.7	U	6.3	U	NC	NA		6.1	U	6.6	U	NC	NA	
Semi-Volatile Organic Compounds																						
Benzaldehyde	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA	
Phenol	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA	
bis(2-Chloroethyl) ether	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA	
2-Chlorophenol	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA	
2-Methylphenol	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA	
2,2'-oxybis(1-Chloropropane)	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA	
Acetophenone	µg/kg	260	UJ	260	UJ	NC	NA		230	U	150	J	NC	80.0		230	UJ	230	UJ	NC	NA	
4-Methylphenol	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA	
n-Nitroso-di-n-propylamine	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA	
Hexachloroethane	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA	
Nitrobenzene	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA	
Isophorone	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA	
2-Nitrophenol	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA	
2,4-Dimethylphenol	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA	
bis(2-Chloroethoxy)methane	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA	
2,4-Dichlorophenol	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA	
Naphthalene	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA	
4-Chloroaniline	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA	
Hexachlorobutadiene	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA	
Caprolactam	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA	
4-Chloro-3-methylphenol	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA	
2-Methylnaphthalene	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA	
Hexachlorocyclopentadiene	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA	

Table 3-2
Data Usability - 2009
Field Duplicate Soil Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		ESSB-14-C		ESSB-14-C-DUP		RPD	ABS		IVSB-03-C		IVSB-03-C-DUP		RPD	ABS		IVSB-08-D		IVSB-08-D-DUP		RPD	ABS
Sample Name				ESSB-140-C							IVSB-103-C							IVSB-108-B			
Sample Date	Unit \\	11/29/2007		11/29/2007					12/3/2007		12/3/2007					12/5/2007		12/5/2007			
Chemical Name	Depth	21 to 23 ft		21 to 23 ft					42 to 44 ft		42 to 44 ft					40 to 42 ft		40 to 42 ft			
2,4,6-Trichlorophenol	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA
2,4,5-Trichlorophenol	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA
1,1'-Biphenyl	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA
2-Chloronaphthalene	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA
2-Nitroaniline	µg/kg	510	UJ	500	UJ	NC	NA		450	U	450	U	NC	NA		440	UJ	440	UJ	NC	NA
Dimethylphthalate	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA
2,6-Dinitrotoluene	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA
Acenaphthylene	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA
3-Nitroaniline	µg/kg	510	UJ	500	UJ	NC	NA		450	U	450	U	NC	NA		440	UJ	440	UJ	NC	NA
Acenaphthene	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA
2,4-Dinitrophenol	µg/kg	510	UJ	500	UJ	NC	NA		450	U	450	U	NC	NA		440	UJ	440	UJ	NC	NA
4-Nitrophenol	µg/kg	510	UJ	500	UJ	NC	NA		450	U	450	U	NC	NA		440	UJ	440	UJ	NC	NA
Dibenzofuran	µg/kg	260	UJ	260	UJ	NC	NA		230	UJ	230	U	NC	NA		230	UJ	230	UJ	NC	NA
2,4-Dinitrotoluene	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA
Diethylphthalate	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA
Fluorene	µg/kg	260	UJ	260	UJ	NC	NA		230	UJ	230	U	NC	NA		230	UJ	230	UJ	NC	NA
4-Chlorophenyl-phenylether	µg/kg	260	UJ	260	UJ	NC	NA		230	UJ	230	U	NC	NA		230	UJ	230	UJ	NC	NA
4-Nitroaniline	µg/kg	510	UJ	500	UJ	NC	NA		450	U	450	U	NC	NA		440	UJ	440	UJ	NC	NA
4,6-Dinitro-2-methylphenol	µg/kg	510	UJ	500	UJ	NC	NA		450	U	450	U	NC	NA		440	UJ	440	UJ	NC	NA
n-Nitrosodiphenylamine	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA
1,2,4,5-Tetrachlorobenzene	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA
4-Bromophenyl-phenylether	µg/kg	260	UJ	260	UJ	NC	NA		230	UJ	230	U	NC	NA		230	UJ	230	UJ	NC	NA
Hexachlorobenzene	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA
Atrazine	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA
Pentachlorophenol	µg/kg	510	UJ	500	UJ	NC	NA		450	U	450	U	NC	NA		440	UJ	440	UJ	NC	NA
Phenanthrene	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA
Anthracene	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA
Carbazole	µg/kg	260	UJ	260	UJ	NC	NA		230	UJ	230	U	NC	NA		230	UJ	230	UJ	NC	NA
Di-n-butylphthalate	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA
Fluoranthene	µg/kg	260	UJ	260	UJ	NC	NA		230	UJ	230	U	NC	NA		230	UJ	230	UJ	NC	NA
Pyrene	µg/kg	260	UJ	260	UJ	NC	NA		230	UJ	230	U	NC	NA		230	UJ	230	UJ	NC	NA
Butylbenzylphthalate	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA
3,3'-Dichlorobenzidine	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA
Benzo(a)anthracene	µg/kg	260	UJ	260	UJ	NC	NA		230	UJ	230	U	NC	NA		230	UJ	230	UJ	NC	NA
Chrysene	µg/kg	260	UJ	260	UJ	NC	NA		230	UJ	230	U	NC	NA		230	UJ	230	UJ	NC	NA
bis(2-Ethylhexyl) phthalate	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA
Di-n-octylphthalate	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA
Benzo(b)fluoranthene	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA
Benzo(k)fluoranthene	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA
Benzo(a)pyrene	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA
Indeno(1,2,3-cd)pyrene	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA
Dibenz(a,h)anthracene	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA
Benzo(g,h,i)perylene	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA
Chlorophenols	µg/kg	260	UJ	260	UJ	NC	NA		230	U	230	U	NC	NA		230	UJ	230	UJ	NC	NA

R2-0007927

Table 3-2
Data Usability - 2009
Field Duplicate Soil Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		ESSB-14-C		ESSB-14-C-DUP		RPD	ABS		IVSB-03-C		IVSB-03-C-DUP		RPD	ABS		IVSB-08-D		IVSB-08-D-DUP		RPD	ABS
Sample Name				ESSB-140-C							IVSB-103-C							IVSB-108-B			
Sample Date	Unit \\	11/29/2007		11/29/2007					12/3/2007		12/3/2007					12/5/2007		12/5/2007			
Chemical Name	Depth	21 to 23 ft		21 to 23 ft					42 to 44 ft		42 to 44 ft					40 to 42 ft		40 to 42 ft			
Pesticides																					
alpha-BHC	µg/kg	2.6	U	2.6	U	NC	NA		2.3	U	2.3	U	NC	NA		2.3	U	2.3	U	NC	NA
beta-BHC	µg/kg	2.6	U	2.6	U	NC	NA		2.3	U	2.3	U	NC	NA		2.3	U	2.3	U	NC	NA
delta-BHC	µg/kg	2.6	U	2.6	U	NC	NA		2.3	U	2.3	U	NC	NA		2.3	U	2.3	U	NC	NA
gamma-BHC (Lindane)	µg/kg	2.6	U	2.6	U	NC	NA		2.3	U	2.3	U	NC	NA		2.3	U	2.3	U	NC	NA
Heptachlor	µg/kg	2.6	U	2.6	U	NC	NA		2.3	U	2.3	U	NC	NA		2.3	U	2.3	U	NC	NA
Aldrin	µg/kg	2.6	U	2.6	U	NC	NA		2.3	U	2.3	U	NC	NA		2.3	U	2.3	U	NC	NA
Heptachlor epoxide	µg/kg	2.6	U	2.6	U	NC	NA		2.3	U	2.3	U	NC	NA		2.3	U	2.3	U	NC	NA
Endosulfan I	µg/kg	2.6	U	2.6	U	NC	NA		2.3	U	2.3	U	NC	NA		2.3	U	2.3	U	NC	NA
Dieldrin	µg/kg	5.1	U	5	U	NC	NA		4.5	U	4.5	U	NC	NA		4.4	U	4.4	U	NC	NA
4,4'-DDE	µg/kg	5.1	U	5	U	NC	NA		4.5	U	4.5	U	NC	NA		4.4	U	4.4	U	NC	NA
Endrin	µg/kg	5.1	U	5	U	NC	NA		4.5	U	4.5	U	NC	NA		4.4	U	4.4	U	NC	NA
Endosulfan II	µg/kg	5.1	U	5	U	NC	NA		4.5	U	4.5	U	NC	NA		4.4	U	4.4	U	NC	NA
4,4'-DDD	µg/kg	5.1	U	5	U	NC	NA		4.5	U	4.5	U	NC	NA		4.4	U	4.4	U	NC	NA
Endosulfan sulfate	µg/kg	5.1	U	5	U	NC	NA		4.5	U	4.5	U	NC	NA		4.4	U	4.4	U	NC	NA
4,4'-DDT	µg/kg	5.1	U	5	U	NC	NA		4.5	U	4.5	U	NC	NA		4.4	U	4.4	U	NC	NA
Methoxychlor	µg/kg	26	U	26	U	NC	NA		23	U	23	U	NC	NA		23	U	23	U	NC	NA
Endrin ketone	µg/kg	5.1	U	5	U	NC	NA		4.5	U	4.5	U	NC	NA		4.4	U	4.4	U	NC	NA
Endrin aldehyde	µg/kg	5.1	U	5	U	NC	NA		4.5	U	4.5	U	NC	NA		4.4	U	4.4	U	NC	NA
alpha-Chlordane	µg/kg	2.6	U	1.2	J	NC	1.4		0.96	J	1.2	J	22.2	0.2		2.3	U	2.3	U	NC	NA
gamma-Chlordane	µg/kg	2.6	U	2.6	U	NC	NA		2.3	U	2.3	U	NC	NA		2.3	U	2.3	U	NC	NA
Toxaphene	µg/kg	260	U	260	U	NC	NA		230	U	230	U	NC	NA		230	U	230	U	NC	NA
PCBs																					
Aroclor-1016	µg/kg	51	U	50	U	NC	NA		45	U	45	U	NC	NA		44	U	44	U	NC	NA
Aroclor-1221	µg/kg	51	U	50	U	NC	NA		45	U	45	U	NC	NA		44	U	44	U	NC	NA
Aroclor-1232	µg/kg	51	U	50	U	NC	NA		45	U	45	U	NC	NA		44	U	44	U	NC	NA
Aroclor-1242	µg/kg	51	U	50	U	NC	NA		45	U	45	U	NC	NA		44	U	44	U	NC	NA
Aroclor-1248	µg/kg	51	U	50	U	NC	NA		45	U	45	U	NC	NA		44	U	44	U	NC	NA
Aroclor-1254	µg/kg	51	U	50	U	NC	NA		45	U	45	U	NC	NA		44	U	44	U	NC	NA
Aroclor-1260	µg/kg	51	U	50	U	NC	NA		45	U	45	U	NC	NA		44	U	44	U	NC	NA
Aroclor-1262	µg/kg	51	U	50	U	NC	NA		45	U	45	U	NC	NA		44	U	44	U	NC	NA
Aroclor-1268	µg/kg	51	U	50	U	NC	NA		45	U	45	U	NC	NA		44	U	44	U	NC	NA

Table 3-2
Data Usability - 2009
Field Duplicate Soil Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		ESSB-14-C		ESSB-14-C-DUP		RPD	ABS		IVSB-03-C		IVSB-03-C-DUP		RPD	ABS		IVSB-08-D		IVSB-08-D-DUP		RPD	ABS	
Sample Name				ESSB-140-C							IVSB-103-C							IVSB-108-B				
Sample Date	Unit \\	11/29/2007		11/29/2007					12/3/2007		12/3/2007					12/5/2007		12/5/2007				
Chemical Name	Depth	21 to 23 ft		21 to 23 ft					42 to 44 ft		42 to 44 ft					40 to 42 ft		40 to 42 ft				
Inorganic Analytes																						
Aluminum	µg/kg	18400000		16000000		14.0	NA		19200000		21200000		9.9	NA		17000000		17300000		1.7	NA	
Antimony	µg/kg	2200	U	2300	U	NC	NA		8300	U	8200	U	NC	NA		4000	U	4000	U	NC	NA	
Arsenic	µg/kg	1500	U	1500	U	NC	NA		1400	U	1400	U	NC	NA		1300	U	1300	U	NC	NA	
Barium	µg/kg	181000		159000		12.9	NA		238000	J	358000	J	40.3	NA		319000		253000	J	23.1	NA	
Beryllium	µg/kg	750	U	750		NC	0.0		690	U	680	U	NC	NA		650	U	650	U	NC	NA	
Cadmium	µg/kg	750	U	740	U	NC	NA		80	J	270	J	**108.6**	190.0	ok	2800		2400		15.4	400.0	
Calcium	µg/kg	1010000		1040000		2.9	30000.0		2730000		3230000		16.8	500000.0		3490000	J	2060000	J	**51.5**	1430000.0	ok
Chromium	µg/kg	20100		19800		1.5	NA		26500		24900		6.2	NA		44400		69900	J	44.6	NA	
Cobalt	µg/kg	51500	J	59000	J	13.6	NA		32200		42900		28.5			32000		30600	J	4.5	1400.0	
Copper	µg/kg	256000		237000		7.7	NA		96600		102000		5.4	NA		84200		126000	J	39.8	NA	
Cyanide	µg/kg	3800	U	3800	U	NC	NA		3500	U	3400	U	NC	NA		3300	U	3300	U	NC	NA	
Iron	µg/kg	61700000		49600000		21.7	NA		45900000		43400000		5.6	NA		51300000		53000000		3.3	NA	
Lead	µg/kg	1500	UJ	1500	UJ	NC	NA		1400	UJ	1400	UJ	NC	NA		1300	UJ	1300	UJ	NC	NA	
Magnesium	µg/kg	5360000	J	5920000	J	9.9	NA		8780000		10100000		14.0	NA		11800000		11600000	J	1.7	NA	
Manganese	µg/kg	1270000	J	1120000	J	12.6	NA		1770000		2130000		18.5	NA		1360000	J	1090000	J	22.0	NA	
Mercury	µg/kg	150	U	150	U	NC	NA		220		140	U	NC	80.0		38	J	63	J	49.5	25.0	
Nickel	µg/kg	28300		25400		10.8	2900.0		26900		32400		18.5	5500.0		59500		64900		8.7	NA	
Potassium	µg/kg	444000	J	450000	J	1.3	6000.0		294000	J	306000	J	4.0	12000.0		517000	J	759000	J	37.9	NA	
Selenium	µg/kg	5300	UJ	5200	UJ	NC	NA		4900	U	4800	U	NC	NA		4500	UJ	4600	UJ	NC	NA	
Silver	µg/kg	6000	J	4800	J	22.2	1200.0		4400	J	4300	J	2.3	100.0		5100	J	5400	J	5.7	300.0	
Sodium	µg/kg	231000	J	549000	J	**81.5**	318000.0	ok	286000	J	323000	J	12.2	37000.0		377000	J	355000	J	6.0	22000.0	
Thallium	µg/kg	370	U	380	U	NC	NA		3500	UJ	3400	UJ	NC	NA		660	U	660	U	NC	NA	
Vanadium	µg/kg	186000		178000		4.4	8000.0		139000		147000		5.6	8000.0		116000		104000		10.9	12000.0	
Zinc	µg/kg	166000		195000		16.1	NA		44500		48600		8.8	4100.0		173000		189000	J	8.8	NA	

Notes and Abbreviation:
1. RPD is calculated for all detected results.
2. ABS is calculated for results failing the RPD; or where only one result is detected; or results fall below the CRQL.
3. RPD values above 100% are bolded if when the RPD criteria applies.
ABS values above five times the detection limits or CRQL are bolded when the ABS criteria applies.
4. No values exceeded criteria.
5. Results rejected during data validation need no further evaluation.

ABS = absolute difference
RPD = relative percent difference
NA = Not available or not applicable
ft = feet
µg = microgram; kg= kilogram
NC = Not calculable
J = estimated
U = non-detect
CRQL = contract required detection limit

Table 3-2
Data Usability - 2009
Field Duplicate Soil Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		IDCSB-03-B		IDCSB-03-B-DUP		RPD	ABS		RMSB-02-C		RMSB-02-C-DUP		RPD	ABS	RMSB-06-B		RMSB-06-B-DUP		RPD	ABS	
Sample Name				IDCSB-103-B							RMSB-102-C						RMSB-105-B				
Sample Date	Unit \\	12/13/2007		12/13/2007					12/18/2007		12/18/2007				12/20/2007		12/20/2007				
Chemical Name	Depth	4 to 6 ft		4 to 6 ft					42 to 44 ft		42 to 44 ft				17 to 19 ft		17 to 19 ft				
Volatile Organic Compounds																					
Dichlorodifluoromethane	µg/kg	19000	U	780	U	NC	18220.0		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
Chloromethane	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
Vinyl Chloride	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
Bromomethane	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
Chloroethane	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
Trichlorofluoromethane	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
1,1-Dichloroethene	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
Acetone	µg/kg	39000	U	1600	U	NC	NA		16	U	18	U	NC	NA	860	U	860	U	NC	NA	
Carbon Disulfide	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
Methyl Acetate	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
Methylene Chloride	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
trans-1,2-Dichloroethene	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
Methyl tert-Butyl Ether	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
1,1-Dichloroethane	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
cis-1,2-Dichloroethene	µg/kg	14000	J	780	U	NC	13220.0		56		75		29.0	NA	430	U	430	U	NC	NA	
2-Butanone	µg/kg	39000	U	1600	U	NC	NA		13	U	15	U	NC	NA	860	U	860	U	NC	NA	
Chlorobromomethane	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
Chloroform	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
1,1,1-Trichloroethane	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
Cyclohexane	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
Carbon Tetrachloride	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
Benzene	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
1,2-Dichloroethane	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
1,4-Dioxane	µg/kg	390000	R	16000	R	NC	NA		130	R	150	R	NC	NA	8600	R	8600	R	NC	NA	
Trichloroethene	µg/kg	39000		780	U	NC	38220.0		6.1	J	7.9		25.7	1.8	430	U	430	U	NC	NA	
Methylcyclohexane	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
1,2-Dichloropropane	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
Bromodichloromethane	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
cis-1,3-Dichloropropene	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
4-Methyl-2-pentanone	µg/kg	39000	U	1600	U	NC	NA		13	U	15	U	NC	NA	860	U	860	U	NC	NA	
Toluene	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
trans-1,3-Dichloropropene	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
1,1,2-Trichloroethane	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
Tetrachloroethene	µg/kg	270000		11000		**184.3**	NA	ok	24		31		25.5	7.0	3800		3800		0.0	0.0	
2-Hexanone	µg/kg	39000	U	1600	U	NC	NA		13	U	15	U	NC	NA	860	U	860	U	NC	NA	
Dibromochloromethane	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	

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Table 3-2
Data Usability - 2009
Field Duplicate Soil Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		IDCSB-03-B		IDCSB-03-B-DUP		RPD	ABS		RMSB-02-C		RMSB-02-C-DUP		RPD	ABS	RMSB-06-B		RMSB-06-B-DUP		RPD	ABS	
Sample Name				IDCSB-103-B							RMSB-102-C						RMSB-105-B				
Sample Date	Unit \\	12/13/2007		12/13/2007					12/18/2007		12/18/2007				12/20/2007		12/20/2007				
Chemical Name	Depth	4 to 6 ft		4 to 6 ft					42 to 44 ft		42 to 44 ft				17 to 19 ft		17 to 19 ft				
1,2-Dibromoethane	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
Chlorobenzene	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
Ethylbenzene	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
o-Xylene	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
m,p-Xylene	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
Styrene	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
Bromoform	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
Isopropylbenzene	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
1,1,2,2-Tetrachloroethane	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
1,3-Dichlorobenzene	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
1,4-Dichlorobenzene	µg/kg	19000	U	780	U	NC	NA		1.2	J	1.2	J	0.0	0.0	430	U	430	U	NC	NA	
1,2-Dichlorobenzene	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
1,2-Dibromo-3-chloropropane	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
1,2,4-Trichlorobenzene	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
1,2,3-Trichlorobenzene	µg/kg	19000	U	780	U	NC	NA		6.6	U	7.5	U	NC	NA	430	U	430	U	NC	NA	
Semi-Volatile Organic Compounds																					
Benzaldehyde	µg/kg	250	U	210	U	NC	NA		250	U	260	U	NC	NA	240	U	240	U	NC	NA	
Phenol	µg/kg	250	U	210	U	NC	NA		250	U	260	U	NC	NA	240	U	240	U	NC	NA	
bis(2-Chloroethyl) ether	µg/kg	250	U	210	U	NC	NA		250	U	260	U	NC	NA	240	U	240	U	NC	NA	
2-Chlorophenol	µg/kg	250	U	210	U	NC	NA		250	U	260	U	NC	NA	240	U	240	U	NC	NA	
2-Methylphenol	µg/kg	250	U	210	U	NC	NA		250	U	260	U	NC	NA	240	U	240	U	NC	NA	
2,2'-oxybis(1-Chloropropane)	µg/kg	250	U	210	U	NC	NA		250	U	260	U	NC	NA	240	U	240	U	NC	NA	
Acetophenone	µg/kg	250	U	210	U	NC	NA		250	U	260	U	NC	NA	43	J	240	U	NC	197.0	ok
4-Methylphenol	µg/kg	250	U	210	U	NC	NA		250	U	260	U	NC	NA	240	U	240	U	NC	NA	
n-Nitroso-di-n-propylamine	µg/kg	250	U	210	U	NC	NA		250	U	260	U	NC	NA	240	U	240	U	NC	NA	
Hexachloroethane	µg/kg	250	U	210	U	NC	NA		250	U	260	U	NC	NA	240	U	240	U	NC	NA	
Nitrobenzene	µg/kg	250	UJ	210	UJ	NC	NA		250	U	260	U	NC	NA	240	UJ	240	UJ	NC	NA	
Isophorone	µg/kg	250	U	210	U	NC	NA		250	U	260	U	NC	NA	240	U	240	U	NC	NA	
2-Nitrophenol	µg/kg	250	U	210	U	NC	NA		250	U	260	U	NC	NA	240	U	240	U	NC	NA	
2,4-Dimethylphenol	µg/kg	250	U	210	U	NC	NA		250	U	260	U	NC	NA	240	U	240	U	NC	NA	
bis(2-Chloroethoxy)methane	µg/kg	250	U	210	U	NC	NA		250	U	260	U	NC	NA	240	U	240	U	NC	NA	
2,4-Dichlorophenol	µg/kg	250	U	210	U	NC	NA		250	U	260	U	NC	NA	240	U	240	U	NC	NA	
Naphthalene	µg/kg	89	J	80	J	10.7	9.0		250	U	260	U	NC	NA	240	U	240	U	NC	NA	
4-Chloroaniline	µg/kg	250	U	210	U	NC	NA		250	U	260	U	NC	NA	240	U	240	U	NC	NA	
Hexachlorobutadiene	µg/kg	250	U	210	U	NC	NA		250	U	260	U	NC	NA	240	U	240	U	NC	NA	
Caprolactam	µg/kg	250	U	210	U	NC	NA		250	UJ	260	UJ	NC	NA	240	UJ	240	UJ	NC	NA	
4-Chloro-3-methylphenol	µg/kg	250	U	210	U	NC	NA		250	U	260	U	NC	NA	240	U	240	U	NC	NA	
2-Methylnaphthalene	µg/kg	390		390		0.0	0.0		250	U	260	U	NC	NA	240	U	240	U	NC	NA	
Hexachlorocyclopentadiene	µg/kg	250	U	210	U	NC	NA		250	U	260	U	NC	NA	240	U	240	U	NC	NA	

Table 3-2
Data Usability - 2009
Field Duplicate Soil Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		IDCSB-03-B		IDCSB-03-B-DUP		RPD	ABS		RMSB-02-C		RMSB-02-C-DUP		RPD	ABS	RMSB-06-B		RMSB-06-B-DUP		RPD	ABS	
Sample Name				IDCSB-103-B							RMSB-102-C						RMSB-105-B				
Sample Date	Unit \\	12/13/2007		12/13/2007					12/18/2007		12/18/2007				12/20/2007		12/20/2007				
Chemical Name	Depth	4 to 6 ft		4 to 6 ft					42 to 44 ft		42 to 44 ft				17 to 19 ft		17 to 19 ft				
2,4,6-Trichlorophenol	µg/kg	250	U	210	U	NC	NA		250	U	260	U	NC	NA	240	U	240	U	NC	NA	
2,4,5-Trichlorophenol	µg/kg	250	U	210	U	NC	NA		250	U	260	U	NC	NA	240	U	240	U	NC	NA	
1,1'-Biphenyl	µg/kg	120	J	120	J	0.0	0.0		250	UJ	260	UJ	NC	NA	240	UJ	240	UJ	NC	NA	
2-Chloronaphthalene	µg/kg	250	U	210	U	NC	NA		250	U	260	U	NC	NA	240	U	240	U	NC	NA	
2-Nitroaniline	µg/kg	490	U	410	U	NC	NA		490	U	510	U	NC	NA	470	U	470	U	NC	NA	
Dimethylphthalate	µg/kg	250	U	210	U	NC	NA		250	UJ	260	UJ	NC	NA	240	UJ	240	UJ	NC	NA	
2,6-Dinitrotoluene	µg/kg	250	U	210	U	NC	NA		250	U	260	U	NC	NA	240	U	240	U	NC	NA	
Acenaphthylene	µg/kg	250	U	210	U	NC	NA		250	U	260	U	NC	NA	240	U	240	U	NC	NA	
3-Nitroaniline	µg/kg	490	U	410	U	NC	NA		490	U	510	U	NC	NA	470	U	470	U	NC	NA	
Acenaphthene	µg/kg	250	U	210	U	NC	NA		250	U	260	U	NC	NA	240	U	240	U	NC	NA	
2,4-Dinitrophenol	µg/kg	490	U	410	U	NC	NA		490	U	510	U	NC	NA	470	U	470	U	NC	NA	
4-Nitrophenol	µg/kg	490	U	410	U	NC	NA		490	U	510	U	NC	NA	470	U	470	U	NC	NA	
Dibenzofuran	µg/kg	250	U	210	U	NC	NA		250	UJ	260	UJ	NC	NA	240	UJ	240	UJ	NC	NA	
2,4-Dinitrotoluene	µg/kg	250	U	210	U	NC	NA		250	U	260	U	NC	NA	240	U	240	U	NC	NA	
Diethylphthalate	µg/kg	250	U	210	U	NC	NA		250	UJ	260	UJ	NC	NA	240	UJ	240	UJ	NC	NA	
Fluorene	µg/kg	250	U	76	J	NC	174.0		250	UJ	260	UJ	NC	NA	240	UJ	240	UJ	NC	NA	
4-Chlorophenyl-phenylether	µg/kg	250	U	210	U	NC	NA		250	UJ	260	UJ	NC	NA	240	UJ	240	UJ	NC	NA	
4-Nitroaniline	µg/kg	490	U	410	U	NC	NA		490	U	510	U	NC	NA	470	U	470	U	NC	NA	
4,6-Dinitro-2-methylphenol	µg/kg	490	U	410	U	NC	NA		490	U	510	U	NC	NA	470	U	470	U	NC	NA	
n-Nitrosodiphenylamine	µg/kg	180	J	140	J	25.0	40.0		250	U	260	U	NC	NA	240	U	240	U	NC	NA	
1,2,4,5-Tetrachlorobenzene	µg/kg	250	U	210	U	NC	NA		250	U	260	U	NC	NA	240	U	240	U	NC	NA	
4-Bromophenyl-phenylether	µg/kg	250	U	210	U	NC	NA		250	UJ	260	UJ	NC	NA	240	UJ	240	UJ	NC	NA	
Hexachlorobenzene	µg/kg	250	U	210	U	NC	NA		250	U	260	U	NC	NA	240	U	240	U	NC	NA	
Atrazine	µg/kg	250	U	210	U	NC	NA		250	U	260	U	NC	NA	240	U	240	U	NC	NA	
Pentachlorophenol	µg/kg	490	U	410	U	NC	NA		490	U	510	U	NC	NA	470	U	470	U	NC	NA	
Phenanthrene	µg/kg	150	J	140	J	6.9	10.0		250	U	260	U	NC	NA	240	U	240	U	NC	NA	
Anthracene	µg/kg	250	U	210	U	NC	NA		250	U	260	U	NC	NA	240	U	240	U	NC	NA	
Carbazole	µg/kg	250	U	210	U	NC	NA		250	UJ	260	UJ	NC	NA	240	UJ	240	UJ	NC	NA	
Di-n-butylphthalate	µg/kg	250	U	210	U	NC	NA		250	UJ	260	UJ	NC	NA	240	UJ	240	UJ	NC	NA	
Fluoranthene	µg/kg	250	UJ	210	UJ	NC	NA		250	UJ	260	UJ	NC	NA	240	UJ	240	UJ	NC	NA	
Pyrene	µg/kg	83	J	60	J	32.2	23.0		250	UJ	260	UJ	NC	NA	240	UJ	240	UJ	NC	NA	
Butylbenzylphthalate	µg/kg	53	J	66	J	21.8	13.0		250	UJ	260	UJ	NC	NA	240	UJ	240	UJ	NC	NA	
3,3'-Dichlorobenzidine	µg/kg	250	U	210	U	NC	NA		250	U	260	U	NC	NA	240	U	240	U	NC	NA	
Benzo(a)anthracene	µg/kg	250	UJ	210	UJ	NC	NA		250	UJ	260	UJ	NC	NA	240	UJ	240	UJ	NC	NA	
Chrysene	µg/kg	250	UJ	210	UJ	NC	NA		250	UJ	260	UJ	NC	NA	240	UJ	240	UJ	NC	NA	
bis(2-Ethylhexyl) phthalate	µg/kg	850	U	690	U	NC	NA		250	UJ	260	UJ	NC	NA	1200	J	340	J	**111.7**	860.0	ok
Di-n-octylphthalate	µg/kg	140	J	90	J	43.5	50.0		250	U	260	U	NC	NA	240	UJ	240	UJ	NC	NA	
Benzo(b)fluoranthene	µg/kg	250	U	210	U	NC	NA		250	UJ	260	UJ	NC	NA	240	UJ	240	UJ	NC	NA	
Benzo(k)fluoranthene	µg/kg	250	U	210	U	NC	NA		250	UJ	260	UJ	NC	NA	240	UJ	240	UJ	NC	NA	
Benzo(a)pyrene	µg/kg	250	U	210	U	NC	NA		250	UJ	260	UJ	NC	NA	240	UJ	240	UJ	NC	NA	
Indeno(1,2,3-cd)pyrene	µg/kg	250	U	210	U	NC	NA		250	UJ	260	UJ	NC	NA	240	UJ	240	UJ	NC	NA	
Dibenz(a,h)anthracene	µg/kg	250	U	210	U	NC	NA		250	UJ	260	UJ	NC	NA	240	UJ	240	UJ	NC	NA	
Benzo(g,h,i)perylene	µg/kg	250	U	210	U	NC	NA		250	UJ	260	UJ	NC	NA	240	UJ	240	UJ	NC	NA	
Chlorophenols	µg/kg	250	U	210	U	NC	NA		250	U	260	U	NC	NA	240	U	240	U	NC	NA	

R2-0007932

Table 3-2
Data Usability - 2009
Field Duplicate Soil Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		IDCSB-03-B		IDCSB-03-B-DUP		RPD	ABS		RMSB-02-C		RMSB-02-C-DUP		RPD	ABS	RMSB-06-B		RMSB-06-B-DUP		RPD	ABS	
Sample Name				IDCSB-103-B							RMSB-102-C						RMSB-105-B				
Sample Date	Unit \\	12/13/2007		12/13/2007					12/18/2007		12/18/2007				12/20/2007		12/20/2007				
Chemical Name	Depth	4 to 6 ft		4 to 6 ft					42 to 44 ft		42 to 44 ft				17 to 19 ft		17 to 19 ft				
Pesticides																					
alpha-BHC	µg/kg	2.5	U	2.1	U	NC	NA		2.5	U	2.6	U	NC	NA	2.4	U	2.4	U	NC	NA	
beta-BHC	µg/kg	1.9	J	2	J	5.1	0.1		2.5	U	2.6	U	NC	NA	2.4	U	2.4	U	NC	NA	
delta-BHC	µg/kg	2.5	U	2.1	U	NC	NA		2.5	U	2.6	U	NC	NA	2.4	U	2.4	U	NC	NA	
gamma-BHC (Lindane)	µg/kg	2.5	U	2.1	U	NC	NA		2.5	U	2.6	U	NC	NA	2.4	U	2.4	U	NC	NA	
Heptachlor	µg/kg	2.5	U	2.1	U	NC	NA		2.5	U	2.6	U	NC	NA	2.4	U	2.4	U	NC	NA	
Aldrin	µg/kg	2.5	U	2.1	U	NC	NA		2.5	U	2.6	U	NC	NA	2.4	U	2.4	U	NC	NA	
Heptachlor epoxide	µg/kg	1.3	J	2.1	U	NC	NA		2.5	U	2.6	U	NC	NA	2.4	U	2.4	U	NC	NA	
Endosulfan I	µg/kg	2.5	U	2.1	U	NC	NA		2.5	U	2.6	U	NC	NA	0.58	J	2.8		**131.4**	2.2	ok
Dieldrin	µg/kg	2.4	J	2.7	J	11.8	0.3		4.9	U	5.1	U	NC	NA	4.7	U	4.7	U	NC	NA	
4,4'-DDE	µg/kg	5.2		2.5	J	**70.1**	2.7	ok	4.9	U	5.1	U	NC	NA	4.7	U	4.7	U	NC	NA	
Endrin	µg/kg	4.9	U	4.1	U	NC	NA		4.9	U	5.1	U	NC	NA	4.7	U	4.7	U	NC	NA	
Endosulfan II	µg/kg	4.9	U	4.1	U	NC	NA		4.9	U	5.1	U	NC	NA	4.7	U	4.7	U	NC	NA	
4,4'-DDD	µg/kg	1.6	J	4.1	U	NC	NA		4.9	U	5.1	U	NC	NA	4.7	U	4.7	U	NC	NA	
Endosulfan sulfate	µg/kg	4.9	U	4.1	U	NC	NA		4.9	U	5.1	U	NC	NA	4.7	U	4.7	U	NC	NA	
4,4'-DDT	µg/kg	4.9	U	4.1	U	NC	NA		4.9	U	5.1	U	NC	NA	4.7	U	4.7	U	NC	NA	
Methoxychlor	µg/kg	25	U	21	U	NC	NA		25	U	26	U	NC	NA	24	U	24	U	NC	NA	
Endrin ketone	µg/kg	4.9	U	4.1	U	NC	NA		4.9	U	5.1	U	NC	NA	4.7	U	4.7	U	NC	NA	
Endrin aldehyde	µg/kg	4.9	U	4.1	U	NC	NA		4.9	U	5.1	U	NC	NA	4.7	U	4.7	U	NC	NA	
alpha-Chlordane	µg/kg	2.5	U	2.1	U	NC	NA		2.5	U	2.6	U	NC	NA	2.4	U	2.4	U	NC	NA	
gamma-Chlordane	µg/kg	2.5	U	2.1	U	NC	NA		2.5	U	2.6	U	NC	NA	2.4	U	2.4	U	NC	NA	
Toxaphene	µg/kg	250	U	210	U	NC	NA		250	U	260	U	NC	NA	240	U	240	U	NC	NA	
PCBs																					
Aroclor-1016	µg/kg	49	U	41	U	NC	NA		49	U	51	U	NC	NA	47	U	47	U	NC	NA	
Aroclor-1221	µg/kg	49	U	41	U	NC	NA		49	U	51	U	NC	NA	47	U	47	U	NC	NA	
Aroclor-1232	µg/kg	49	U	41	U	NC	NA		49	U	51	U	NC	NA	47	U	47	U	NC	NA	
Aroclor-1242	µg/kg	49	U	41	U	NC	NA		49	U	51	U	NC	NA	47	U	47	U	NC	NA	
Aroclor-1248	µg/kg	49	U	41	U	NC	NA		49	U	51	U	NC	NA	47	U	47	U	NC	NA	
Aroclor-1254	µg/kg	49	U	41	U	NC	NA		49	U	51	U	NC	NA	47	U	47	U	NC	NA	
Aroclor-1260	µg/kg	49	U	41	U	NC	NA		49	U	51	U	NC	NA	47	U	47	U	NC	NA	
Aroclor-1262	µg/kg	49	U	41	U	NC	NA		49	U	51	U	NC	NA	47	U	47	U	NC	NA	
Aroclor-1268	µg/kg	49	U	41	U	NC	NA		49	U	51	U	NC	NA	47	U	47	U	NC	NA	

Table 3-2
Data Usability - 2009
Field Duplicate Soil Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		IDCSB-03-B		IDCSB-03-B-DUP		RPD	ABS		RMSB-02-C		RMSB-02-C-DUP		RPD	ABS	RMSB-06-B		RMSB-06-B-DUP		RPD	ABS
Sample Name				IDCSB-103-B							RMSB-102-C						RMSB-105-B			
Sample Date	Unit \\	12/13/2007		12/13/2007					12/18/2007		12/18/2007				12/20/2007		12/20/2007			
Chemical Name	Depth	4 to 6 ft		4 to 6 ft					42 to 44 ft		42 to 44 ft				17 to 19 ft		17 to 19 ft			
Inorganic Analytes																				
Aluminum	µg/kg	12400000		14000000		12.1	NA		26400000	J	30800000	J	15.4	NA	10100	J	11900	J	16.4	1800
Antimony	µg/kg	2300	U	2300	U	NC	NA		9100	U	9100	U	NC	NA	2.1	U	2.1	U	NC	NA
Arsenic	µg/kg	1200	J	840	J	3.9	360		1500	U	1500	U	NC	NA	1.4	U	1.4	U	NC	NA
Barium	µg/kg	119000		192000		46.9	NA		710000		750000		5.5	NA	19.3	J	28.9	J	39.8	10
Beryllium	µg/kg	790	U	760	U	NC	NA		760	UJ	760	UJ	NC	NA	0.71	UJ	0.7	UJ	NC	NA
Cadmium	µg/kg	790	U	760	U	NC	NA		3000		3500		15.4	500	1.6		1.9		17.1	0
Calcium	µg/kg	16700000	J	8110000	J	**69.2**	**8590000**	*	542000	J	591000	J	8.6	49000	392	J	397	J	1.3	5
Chromium	µg/kg	18500		24400		27.5	NA		25800		28000		8.2	NA	15	J	15.9	J	5.8	1
Cobalt	µg/kg	31200		35300		12.3	4100		67500	J	67300	J	0.3	NA	10.9	J	7.5	J	37.0	3
Copper	µg/kg	65700		73000		10.5	NA		155000		185000		17.6	NA	59.5		77.3		26.0	18
Cyanide	µg/kg	240	R	230	R	NC	NA		3800	U	380	J	NC	3420	0.62	J	0.8	J	25.4	0
Iron	µg/kg	43300000		53700000		21.4	NA		32400000	R	37600000	R	NC	NA	37600	J	41000	J	8.7	3400
Lead	µg/kg	24100		25500		5.6	NA		1900	J	1500	UJ	NC	400	1.4	U	1.4	UJ	NC	NA
Magnesium	µg/kg	2330000		2120000		9.4	210000		6540000	J	7280000	J	10.7	NA	625	J	776	J	21.6	151
Manganese	µg/kg	2370000	J	2650000	J	11.2	NA		921000	J	937000	J	1.7	NA	449	J	382	J	16.1	67
Mercury	µg/kg	240	J	660	J	**93.3**	420	ok	86	J	67	J	24.8	19	0.14	U	0.14	U	NC	NA
Nickel	µg/kg	6900		6400		7.5	500		105000		114000		8.2	NA	6.8	J	11.2	J	48.9	4
Potassium	µg/kg	650000	J	518000	J	22.6	132000		731000	J	1030000	J	34.0	299000	97.4	J	110	J	12.2	13
Selenium	µg/kg	5600	U	5300	U	NC	NA		5300	UJ	5300	UJ	NC	NA	4.9	UJ	4.9	UJ	NC	NA
Silver	µg/kg	5400	J	6800	J	23.0	1400		4100	J	4800	J	15.7	700	5	J	5.4	J	7.7	0.4
Sodium	µg/kg	794000	U	761000	U	NC	NA		234000	J	263000	J	11.7	29000	304	J	286	J	6.1	18
Thallium	µg/kg	390	U	380	U	NC	NA		3800	UJ	3800	UJ	NC	NA	0.36	U	0.35	U	NC	NA
Vanadium	µg/kg	157000		205000		26.5	48000		123000		141000		13.6	18000	144	J	145	J	0.7	1
Zinc	µg/kg	222000		245000		9.9	NA		335000		384000		13.6	NA	38.7	J	43.3	J	11.2	5

Notes and Abbreviation:
1. RPD is calculated for all detected results.
2. ABS is calculated for results failing the RPD; or where only one result is detected; or results fall below the CRQL.
3. RPD values above 100% are bolded if when the RPD criteria applies.
ABS values above five times the detection limits or CRQL are bolded when the ABS criteria applies.
4. No values exceeded criteria.
5. Results rejected during data validation need no further evaluation.

ABS = absolute difference
RPD = relative percent difference
NA = Not available or not applicable
ft = feet
µg = microgram; kg= kilogram
NC = Not calculable
J = estimated
U = non-detect
CRQL = contract required detection limit

R2-0007934

Table 3-3
Data Usability - 2009
Packer Samples Field Duplicate Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		PS-MPW3-163		PS-MPW3-163-DUP		RPD	ABS	PS-MPW5-283		PS-MPW5-283-DUP		RPD	ABS	PS-MPW6-109		PS-MPW6-109-DUP		RPD	ABS
Sample Name				PS-MPW3-425						PS-MPW5-425						PS-MPW6-425			
Sample Date	Unit \\	7/1/2008		7/1/2008				7/9/2008		7/9/2008				7/21/2008		7/21/2008			
Chemical Name	Depth	to 163 ft		to 163 FT				to 283 ft		to 283 FT				to 109 ft		to 109 ft			
Volatile Organic Compounds																			
Dichlorodifluoromethane	µg/L	0.67		0.67		0.0	0.00	0.25	J	0.23	J	8.3	0.02	0.5	U	0.5	U	NC	NA
Chloromethane	µg/L	0.5	U	0.23	J	NC	0.27	0.5	U	0.22	J	NC	0.28	0.5	U	0.5	U	NC	NA
Vinyl Chloride	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Bromomethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Chloroethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Trichlorofluoromethane	µg/L	0.092	J	0.096	J	4.3	0.004	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,1-Dichloroethene	µg/L	0.5	U	0.5	U	NC	NA	0.73		0.71		2.8	0.02	4.1		4.1		0.0	0.00
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Acetone	µg/L	5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Carbon Disulfide	µg/L	0.5	U	0.5	U	NC	NA	0.21	J	0.22	J	4.7	0.01	0.25	J	0.24	J	4.1	0.01
Methyl Acetate	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Methylene Chloride	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
trans-1,2-Dichloroethene	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Methyl tert-Butyl Ether	µg/L	0.5	U	0.5	U	NC	NA	0.23	J	0.25	J	8.3	0.02	0.5	U	0.5	U	NC	NA
1,1-Dichloroethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.43	J	0.42	J	NC	NA
cis-1,2-Dichloroethene	µg/L	0.18	J	0.19	J	5.4	0.01	3.6		3.7		2.7	0.10	0.5	U	0.5	U	NC	NA
2-Butanone	µg/L	5	U	5	U	NC	NA	5	U	5	U	NC	NA	5	U	5	U	NC	NA
Chlorobromomethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Chloroform	µg/L	5.2		5.2		0.0	0.00	5.8		5.6		3.5	0.20	1.4		1.3		7.4	0.10
1,1,1-Trichloroethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Cyclohexane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Carbon Tetrachloride	µg/L	0.16	J	0.15	J	6.5	0.01	0.28	J	0.28	J	0.0	0.00	0.5	U	0.5	U	NC	NA
Benzene	µg/L	0.4	J	0.4	J	0.0	0.00	0.39	J	0.38	J	2.6	0.01	0.88		0.92		4.4	0.04
1,2-Dichloroethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Trichloroethene	µg/L	0.17	J	0.18	J	5.7	0.01	1.3		1.2		8.0	0.10	0.5	U	0.17	J	NC	0.33
Methylcyclohexane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,2-Dichloropropane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Bromodichloromethane	µg/L	0.69		0.69		0.0	0.00	0.54		0.54		0.0	0.00	0.5	U	0.5	U	NC	NA
cis-1,3-Dichloropropene	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
4-Methyl-2-pentanone	µg/L	0.5	U	0.5	U	NC	NA	5	U	5	U	NC	NA	5	U	5	U	NC	NA
Toluene	µg/L	7.1		7.1		0.0	0.00	6.8		6.5		4.5	0.30	10		11		9.5	1.00
trans-1,3-Dichloropropene	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,1,2-Trichloroethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Tetrachloroethene	µg/L	1.3		1.4		7.4	0.10	31		32		3.2	1.00	0.79		0.77		2.6	0.02
2-Hexanone	µg/L	5	U	5	U	NC	NA	5	U	5	U	NC	NA	5	U	5	U	NC	NA
Dibromochloromethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,2-Dibromoethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA

R2-0007935

Table 3-3
Data Usability - 2009
Packer Samples Field Duplicate Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		PS-MPW3-163		PS-MPW3-163-DUP		RPD	ABS	PS-MPW5-283		PS-MPW5-283-DUP		RPD	ABS	PS-MPW6-109		PS-MPW6-109-DUP		RPD	ABS
Sample Name				PS-MPW3-425						PS-MPW5-425						PS-MPW6-425			
Sample Date	Unit \\	7/1/2008		7/1/2008				7/9/2008		7/9/2008				7/21/2008		7/21/2008			
Chemical Name	Depth	to 163 ft		to 163 FT				to 283 ft		to 283 FT				to 109 ft		to 109 ft			
Chlorobenzene	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Ethylbenzene	µg/L	0.5	J	0.5		0.0	0.00	0.37	J	0.35	J	5.6	0.02	1.1		1.3		16.7	0.20
o-Xylene	µg/L	0.8		0.79		1.3	0.01	0.53		0.51		3.8	0.02	1.3		1.7		26.7	0.40
m,p-Xylene	µg/L	2.1		2.1		0.0	0.0	1.6		1.5		6.5	0.10	3.2		4.1		24.7	0.90
Styrene	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Bromoform	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Isopropylbenzene	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,1,2,2-Tetrachloroethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,3-Dichlorobenzene	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,4-Dichlorobenzene	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,2-Dichlorobenzene	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,2-Dibromo-3-chloropropane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,2,4-Trichlorobenzene	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,2,3-Trichlorobenzene	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA

Notes and Abbreviation:
1. RPD is calculated for all detected results.
2. ABS is calculated for results failing the RPD and where one result is detected and one is non-detect or results fall below the CRQL.
3. RPD values met criteria (below 50% RPD or ABS values below five times the CRQL).

ABS = absolute difference
RPD = relative percent difference
CRQL = contract required detection limit
J = estimated
NA = Not available or not applicable
NC = Not calculable
µg = microgram; L = liter
U = non-detect

R2-0007936

Table 3-4
Data Usability - 2009
Groundwater Samples Field Duplicate Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		PS-MPW6-109		PS-MPW6-109-DUP		RPD	ABS	MPW-5-P7-S1		MPW-5-P7-S1-DUP		RPD	ABS	MPW-6-P2-S1		MPW-6-P2-S1-DUP		RPD	ABS
Sample Name				PS-MPW6-425						MPW-55-P7-S1						MPW-66-P2-S1			
Sample Date	Unit \\	7/21/2008		7/21/2008				1/15/2009		1/15/2009				1/20/2009		1/20/2009			
Chemical Name	Depth	to 109 ft		to 109 ft				302 to 324 ft		302 to 324 ft				172 to 182 ft		172 to 182 ft			
Volatile Organic Compounds																			
Dichlorodifluoromethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Chloromethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Vinyl Chloride	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Bromomethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Chloroethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Trichlorofluoromethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.11	J	NC	0.39	0.5	U	0.5	U	NC	NA
1,1-Dichloroethene	µg/L	4.1		4.1		0.0	0.00	0.5	U	1.2		NC	0.70	6.9	J	6.6	J	4.4	0.30
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.51		0.5	U	NC	0.01
Acetone	µg/L	5	U	5	U	NC	NA	5	U	5	U	NC	NA	2.8	J	2.3	J	19.6	0.50
Carbon Disulfide	µg/L	0.25	J	0.24	J	4.1	0.01	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Methyl Acetate	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Methylene Chloride	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
trans-1,2-Dichloroethene	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Methyl tert-Butyl Ether	µg/L	0.5	U	0.5	U	NC	NA	0.16	J	0.17	J	6.1	0.01	0.5	U	0.5	U	NC	NA
1,1-Dichloroethane	µg/L	0.43	J	0.42	J	2.4	0.01	0.5	U	0.5	U	NC	NA	0.23	J	0.21	J	9.1	0.02
cis-1,2-Dichloroethene	µg/L	0.5	U	0.5	U	NC	NA	9.2		9.1		1.1	0.10	0.5	U	0.5	U	NC	NA
2-Butanone	µg/L	5	U	5	U	NC	NA	5	U	5	UJ	NC	NA	5	U	5	U	NC	NA
Chlorobromomethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Chloroform	µg/L	1.4		1.3		7.4	0.1	3.3		3.2		3.1	0.10	1.9		1.9		0.0	0.00
1,1,1-Trichloroethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Cyclohexane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.12	J	0.5	U	NC	0.38
Carbon Tetrachloride	µg/L	0.5	U	0.5	U	NC	NA	0.16	J	0.14	J	13.3	0.02	0.5	U	0.5	U	0.0	NA
Benzene	µg/L	0.88		0.92		4.4	0.04	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,2-Dichloroethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Trichloroethene	µg/L	0.5	U	0.17	J	NC	0.33	1.4		1.3		7.4	0.10	0.51		0.5	U	NC	0.01
Methylcyclohexane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.1	J	0.5	U	NC	0.40
1,2-Dichloropropane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Bromodichloromethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
cis-1,3-Dichloropropene	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
4-Methyl-2-pentanone	µg/L	5	U	5	U	NC	NA	5	U	5	U	NC	NA	5	U	5	U	NC	NA
Toluene	µg/L	10		11		9.5	1.0	6.7		6.4		4.6	0.30	1.6		1.5		6.5	0.10
trans-1,3-Dichloropropene	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,1,2-Trichloroethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Tetrachloroethene	µg/L	0.79		0.77		2.6	0.02	29		23		23.1	6.00	0.11	J	0.5	U	NC	0.39
2-Hexanone	µg/L	5	U	5	U	NC	NA	5	U	5	U	NC	NA	5	U	5	U	NC	NA
Dibromochloromethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,2-Dibromoethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA

Table 3-4
Data Usability - 2009
Groundwater Samples Field Duplicate Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		PS-MPW6-109		PS-MPW6-109-DUP		RPD	ABS	MPW-5-P7-S1		MPW-5-P7-S1-DUP		RPD	ABS	MPW-6-P2-S1		MPW-6-P2-S1-DUP		RPD	ABS
Sample Name				PS-MPW6-425						MPW-55-P7-S1						MPW-66-P2-S1			
Sample Date	Unit \\	7/21/2008		7/21/2008				1/15/2009		1/15/2009				1/20/2009		1/20/2009			
Chemical Name	Depth	to 109 ft		to 109 ft				302 to 324 ft		302 to 324 ft				172 to 182 ft		172 to 182 ft			
Chlorobenzene	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Ethylbenzene	µg/L	1.1		1.3		16.7	0.20	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
o-Xylene	µg/L	1.3		1.7		26.7	0.40	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
m,p-Xylene	µg/L	3.2		4.1		24.7	0.90	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Styrene	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Bromoform	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Isopropylbenzene	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,1,2,2-Tetrachloroethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,3-Dichlorobenzene	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,4-Dichlorobenzene	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,2-Dichlorobenzene	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,2-Dibromo-3-chloropropane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,2,4-Trichlorobenzene	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,2,3-Trichlorobenzene	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Semi-Volatile Organic Compounds																			
Benzaldehyde	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
Phenol	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
bis(2-Chloroethyl) ether	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
2-Chlorophenol	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
2-Methylphenol	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
2,2'-oxybis(1-Chloropropane)	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
Acetophenone	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
4-Methylphenol	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
n-Nitroso-di-n-propylamine	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
Hexachloroethane	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
Nitrobenzene	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
Isophorone	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
2-Nitrophenol	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
2,4-Dimethylphenol	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
bis(2-Chloroethoxy)methane	µg/L	Not Analyzed		Not Analyzed				5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
2,4-Dichlorophenol	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
Naphthalene	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
4-Chloroaniline	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
Hexachlorobutadiene	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
Caprolactam	µg/L							5	U	14		NC	9.00	7		3.4	J	**69.2**	3.60
4-Chloro-3-methylphenol	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
2-Methylnaphthalene	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
Hexachlorocyclopentadiene	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
2,4,6-Trichlorophenol	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
2,4,5-Trichlorophenol	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
1,1'-Biphenyl	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA

R2-0007938

Table 3-4
Data Usability - 2009
Groundwater Samples Field Duplicate Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		PS-MPW6-109		PS-MPW6-109-DUP		RPD	ABS	MPW-5-P7-S1		MPW-5-P7-S1-DUP		RPD	ABS	MPW-6-P2-S1		MPW-6-P2-S1-DUP		RPD	ABS
Sample Name				PS-MPW6-425						MPW-55-P7-S1						MPW-66-P2-S1			
Sample Date	Unit \\	7/21/2008		7/21/2008				1/15/2009		1/15/2009				1/20/2009		1/20/2009			
Chemical Name	Depth	to 109 ft		to 109 ft				302 to 324 ft		302 to 324 ft				172 to 182 ft		172 to 182 ft			
2-Chloronaphthalene	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
2-Nitroaniline	µg/L							10	U	10	U	NC	NA	10	U	9.1	U	NC	NA
Dimethylphthalate	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
2,6-Dinitrotoluene	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
Acenaphthylene	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
3-Nitroaniline	µg/L							10	U	10	U	NC	NA	10	U	9.1	U	NC	NA
Acenaphthene	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
2,4-Dinitrophenol	µg/L							10	U	10	U	NC	NA	10	U	9.1	U	NC	NA
4-Nitrophenol	µg/L							10	U	10	U	NC	NA	10	U	9.1	U	NC	NA
Dibenzofuran	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
2,4-Dinitrotoluene	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
Diethylphthalate	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
Fluorene	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
4-Chlorophenyl-phenylether	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
4-Nitroaniline	µg/L							10	U	10	U	NC	NA	10	U	9.1	U	NC	NA
4,6-Dinitro-2-methylphenol	µg/L							10	U	10	U	NC	NA	10	U	9.1	U	NC	NA
n-Nitrosodiphenylamine	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
1,2,4,5-Tetrachlorobenzene	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
4-Bromophenyl-phenylether	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
Hexachlorobenzene	µg/L	Not Analyzed		Not Analyzed				5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
Atrazine	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
Pentachlorophenol	µg/L							10	U	10	UJ	NC	NA	10	U	9.1	U	NC	NA
Phenanthrene	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
Anthracene	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
Carbazole	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
Di-n-butylphthalate	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
Fluoranthene	µg/L							5	U	5	U	NC	NA	5	U	4.5	UJ	NC	NA
Pyrene	µg/L							5	U	5	U	NC	NA	5	U	4.5	UJ	NC	NA
Butylbenzylphthalate	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
3,3'-Dichlorobenzidine	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
Benzo(a)anthracene	µg/L							5	U	5	U	NC	NA	5	U	4.5	UJ	NC	NA
Chrysene	µg/L							5	U	5	U	NC	NA	5	U	4.5	UJ	NC	NA
bis(2-Ethylhexyl) phthalate	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
Di-n-octylphthalate	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
Benzo(b)fluoranthene	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
Benzo(k)fluoranthene	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
Benzo(a)pyrene	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
Indeno(1,2,3-cd)pyrene	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
Dibenz(a,h)anthracene	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
Benzo(g,h,i)perylene	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA
Chlorophenols	µg/L							5	U	5	U	NC	NA	5	U	4.5	U	NC	NA

R2-0007939

Table 3-4
Data Usability - 2009
Groundwater Samples Field Duplicate Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		PS-MPW6-109		PS-MPW6-109-DUP		RPD	ABS	MPW-5-P7-S1		MPW-5-P7-S1-DUP		RPD	ABS	MPW-6-P2-S1		MPW-6-P2-S1-DUP		RPD	ABS
Sample Name				PS-MPW6-425						MPW-55-P7-S1						MPW-66-P2-S1			
Sample Date	Unit \\	7/21/2008		7/21/2008				1/15/2009		1/15/2009				1/20/2009		1/20/2009			
Chemical Name	Depth	to 109 ft		to 109 ft				302 to 324 ft		302 to 324 ft				172 to 182 ft		172 to 182 ft			
Volatile Organic Compounds - SIM																			
1,2-Dibromoethane	µg/L	Not Analyzed		Not Analyzed				0.05	U	0.05	U	NC	NA	0.05	U	0.05	U	NC	NA
1,2-Dibromo-3-chloropropane	µg/L							0.05	U	0.05	U	NC	NA	0.05	U	0.05	U	NC	NA
PCBs																			
Aroclor-1016	µg/L							1	U	1	U	NC	NA	0.91	U	1	U	NC	NA
Aroclor-1221	µg/L							1	U	1	U	NC	NA	0.91	U	1	U	NC	NA
Aroclor-1232	µg/L							1	U	1	U	NC	NA	0.91	U	1	U	NC	NA
Aroclor-1242	µg/L	Not Analyzed		Not Analyzed				1	U	1	U	NC	NA	0.91	U	1	U	NC	NA
Aroclor-1248	µg/L							1	U	1	U	NC	NA	0.91	U	1	U	NC	NA
Aroclor-1254	µg/L							1	U	1	U	NC	NA	0.91	U	1	U	NC	NA
Aroclor-1260	µg/L							1	U	1	U	NC	NA	0.91	U	1	U	NC	NA
Aroclor-1262	µg/L							1	U	1	U	NC	NA	0.91	U	1	U	NC	NA
Aroclor-1268	µg/L							1	U	1	U	NC	NA	0.91	U	1	U	NC	NA
Pesticides																			
alpha-BHC	µg/L									0.01	U	NC	NA	0.01	U	0.01	U	NC	NA
beta-BHC	µg/L									0.01	U	NC	NA	0.01	U	0.01	UJ	NC	NA
delta-BHC	µg/L									0.016	R	NC	NA	0.015	R	0.01	U	NC	NA
gamma-BHC (Lindane)	µg/L									0.01	U	NC	NA	0.01	U	0.01	U	NC	NA
Heptachlor	µg/L									0.01	U	NC	NA	0.01	U	0.01	U	NC	NA
Aldrin	µg/L									0.01	U	NC	NA	0.01	U	0.01	U	NC	NA
Heptachlor epoxide	µg/L									0.01	U	NC	NA	0.01	U	0.01	U	NC	NA
Endosulfan I	µg/L									0.01	U	NC	NA	0.01	U	0.01	U	NC	NA
Dieldrin	µg/L									0.02	U	NC	NA	0.02	U	0.02	U	NC	NA
4,4'-DDE	µg/L									0.02	U	NC	NA	0.02	U	0.02	U	NC	NA
Endrin	µg/L	Not Analyzed		Not Analyzed				Not Analyzed		0.02	U	NC	NA	0.02	U	0.02	U	NC	NA
Endosulfan II	µg/L									0.02	U	NC	NA	0.02	U	0.02	U	NC	NA
4,4'-DDD	µg/L									0.02	U	NC	NA	0.02	U	0.02	U	NC	NA
Endosulfan sulfate	µg/L									0.02	U	NC	NA	0.02	U	0.02	U	NC	NA
4,4'-DDT	µg/L									0.02	U	NC	NA	0.02	U	0.02	U	NC	NA
Methoxychlor	µg/L									0.1	U	NC	NA	0.1	U	0.1	U	NC	NA
Endrin ketone	µg/L									0.02	U	NC	NA	0.02	U	0.02	U	NC	NA
Endrin aldehyde	µg/L									0.02	U	NC	NA	0.02	U	0.02	U	NC	NA
alpha-Chlordane	µg/L									0.01	U	NC	NA	0.01	U	0.01	U	NC	NA
gamma-Chlordane	µg/L									0.01	U	NC	NA	0.01	U	0.01	U	NC	NA
Toxaphene	µg/L									1	U	NC	NA	1	U	1	U	NC	NA

R2-0007940

Table 3-4
Data Usability - 2009
Groundwater Samples Field Duplicate Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		PS-MPW6-109		PS-MPW6-109-DUP		RPD	ABS	MPW-5-P7-S1		MPW-5-P7-S1-DUP		RPD	ABS	MPW-6-P2-S1		MPW-6-P2-S1-DUP		RPD	ABS
Sample Name				PS-MPW6-425						MPW-55-P7-S1						MPW-66-P2-S1			
Sample Date	Unit \\	7/21/2008		7/21/2008				1/15/2009		1/15/2009				1/20/2009		1/20/2009			
Chemical Name	Depth	to 109 ft		to 109 ft				302 to 324 ft		302 to 324 ft				172 to 182 ft		172 to 182 ft			
Inorganic Analytes																			
Aluminum	µg/L							200	U	200	U	NC	NA	200	U	200	U	NC	NA
Antimony	µg/L							2	U	2	U	NC	NA	2	U	2	U	NC	NA
Arsenic	µg/L							36.2		36		0.6	0.20	23.9		25.7		7.3	1.80
Barium	µg/L							0.13	J	0.53	J	**121.2**	0.40	2.9	J	2.2	J	27.5	0.70
Beryllium	µg/L							1	U	1	U	NC	NA	1	U	1	U	NC	NA
Cadmium	µg/L							1	U	1	U	NC	NA	1	U	1	U	NC	NA
Calcium	µg/L							62400		63000		1.0	600.00	38100		37200		2.4	900.00
Chromium	µg/L							10	U	10	U	NC	NA	10	U	10	U	NC	NA
Cobalt	µg/L							50	U	50	U	NC	NA	50	U	50	U	NC	NA
Copper	µg/L							0.7	J	1.2	J	**52.6**	0.50	0.97	J	1.5	J	42.9	0.53
Iron	µg/L							100	U	100	U	NC	NA	100	U	100	U	NC	NA
Lead	µg/L							10	U	2.5	J	NC	7.50	10	U	10	U	NC	NA
Magnesium	µg/L	Not Analyzed		Not Analyzed				19200		19500		1.6	300.00	15900		15800		0.6	100.00
Manganese	µg/L							24.1		25.6		6.0	1.50	43.8	J	22.7	J	**63.5**	21.10
Mercury	µg/L							0.2	U	0.11	J	NC	0.09	0.2	U	0.2	U	NC	NA
Nickel	µg/L							0.61	J	40	U	NC	39.39	0.8	J	40	U	NC	39.20
Potassium	µg/L							840	J	857	J	2.0	17.00	1350	J	1330	J	1.5	20.00
Selenium	µg/L							1	J	1	J	0.0	0.00	0.75	J	0.72	J	4.1	0.03
Silver	µg/L							10	U	10	U	NC	NA	10	U	10	U	NC	NA
Sodium	µg/L							23900		24000		0.4	100.00	16700		16500		1.2	200.00
Thallium	µg/L							1	U	1	U	NC	NA	1	U	1	U	NC	NA
Vanadium	µg/L							24.2	J	23.7	J	2.1	0.50	22.9	J	22.7	J	0.9	0.20
Zinc	µg/L							60	U	60	U	NC	NA	60	U	1.3	J	NC	58.70
Cyanide	µg/L							10	U	10	U	NC	NA	10	U	10	U	NC	NA
DESA 2009 Wet Chemistry Analysis																			
Nitrate	mg/L													2.8		2.7		3.6	0.10
Nitrite	mg/L													0.05	U	0.05	U	NC	NA
Hardness As CaCO3	mg/L													160	J	170	J	6.1	10.00
Methane	µg/L													2	U	2	U	NC	NA
Ethene	µg/L													2	U	2	U	NC	NA
Ethane	µg/L													2	U	2	U	NC	NA
Nitrogen, Ammonia	mg/L													0.05	U	0.05	U	NC	NA
Total Organic Carbon	mg/L	Not Analyzed		Not Analyzed				Not Analyzed		Not Analyzed				1	U	1	U	NC	NA
Total Suspended Solids	mg/L													10	U	10	U	NC	NA
Sulfide	mg/L													0.01	U	0.01	U	NC	NA
Alkalinity, Total (as CaCO3)	mg/L													160		160		0.0	0.00
Chloride	mg/L													25		25		0.0	0.00
Sulfate	mg/L													8.7		8.3		4.7	0.40
Total Dissolved Solids	mg/L													270		280		3.6	10.00
Nitrogen, Total Kjeldahl	mg/L													0.1	U	0.11		NC	0.01

R2-0007941

Table 3-4
Data Usability - 2009
Groundwater Samples Field Duplicate Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		PS-MPW3-163		PS-MPW3-163-DUP		RPD	ABS	PS-MPW5-283		PS-MPW5-283-DUP		RPD	ABS
Sample Name				PS-MPW3-425						PS-MPW5-425			
Sample Date	Unit \\	7/1/2008		7/1/2008				7/9/2008		7/9/2008			
Chemical Name	Depth	to 163 ft		to 163 ft				to 283 ft		to 283 ft			
Volatile Organic Compounds													
Dichlorodifluoromethane	µg/L	0.67		0.67		0.0	0.0	0.25	J	0.23	J	8.3	0.02
Chloromethane	µg/L	0.5	U	0.23	J	NC	0.3	0.5	U	0.22	J	NC	0.28
Vinyl Chloride	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Bromomethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Chloroethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Trichlorofluoromethane	µg/L	0.092	J	0.096	J	4.3	0.004	0.5	U	0.5	U	NC	NA
1,1-Dichloroethene	µg/L	0.5	U	0.5	U	NC	NA	0.73		0.71		2.8	0.02
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Acetone	µg/L	5	U	5	U	NC	NA	5	U	5	U	NC	NA
Carbon Disulfide	µg/L	0.5	U	0.5	U	NC	NA	0.21	J	0.22	J	4.7	0.01
Methyl Acetate	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Methylene Chloride	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
trans-1,2-Dichloroethene	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Methyl tert-Butyl Ether	µg/L	0.5	U	0.5	U	NC	NA	0.23	J	0.25	J	8.3	0.02
1,1-Dichloroethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
cis-1,2-Dichloroethene	µg/L	0.18	J	0.19	J	5.4	0.01	3.6		3.7		2.7	0.10
2-Butanone	µg/L	5	U	5	U	NC	NA	5	U	5	U	NC	NA
Chlorobromomethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Chloroform	µg/L	5.2		5.2		0.0	0.0	5.8		5.6		3.5	0.20
1,1,1-Trichloroethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Cyclohexane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Carbon Tetrachloride	µg/L	0.16	J	0.15	J	6.5	0.01	0.28	J	0.28	J	0.0	0.00
Benzene	µg/L	0.4	J	0.4	J	0.0	0.00	0.39	J	0.38	J	2.6	0.01
1,2-Dichloroethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Trichloroethene	µg/L	0.17	J	0.18	J	5.7	0.01	1.3		1.2		8.0	0.10
Methylcyclohexane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,2-Dichloropropane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Bromodichloromethane	µg/L	0.69		0.69		0.0	0.00	0.54		0.54		0.0	0.00
cis-1,3-Dichloropropene	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
4-Methyl-2-pentanone	µg/L	5	U	5	U	NC	NA	5	U	5	U	NC	NA
Toluene	µg/L	7.1		7.1		0.0	0.00	6.8		6.5		4.5	0.30
trans-1,3-Dichloropropene	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,1,2-Trichloroethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Tetrachloroethene	µg/L	1.3		1.4		7.4	0.100	31		32		3.2	1.00
2-Hexanone	µg/L	5	U	5	U	NC	NA	5	U	5	U	NC	NA
Dibromochloromethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,2-Dibromoethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA

Table 3-4
Data Usability - 2009
Groundwater Samples Field Duplicate Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		PS-MPW3-163		PS-MPW3-163-DUP		RPD	ABS	PS-MPW5-283		PS-MPW5-283-DUP		RPD	ABS
Sample Name				PS-MPW3-425						PS-MPW5-425			
Sample Date	Unit \\	7/1/2008		7/1/2008				7/9/2008		7/9/2008			
Chemical Name	Depth	to 163 ft		to 163 ft				to 283 ft		to 283 ft			
Chlorobenzene	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Ethylbenzene	µg/L	0.5	J	0.5		0.0	0.00	0.37	J	0.35	J	5.6	0.02
o-Xylene	µg/L	0.8		0.79		1.3	0.01	0.53		0.51		3.8	0.02
m,p-Xylene	µg/L	2.1		2.1		0.0	0.00	1.6		1.5		6.5	0.10
Styrene	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Bromoform	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Isopropylbenzene	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,1,2,2-Tetrachloroethane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,3-Dichlorobenzene	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,4-Dichlorobenzene	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,2-Dichlorobenzene	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,2-Dibromo-3-chloropropane	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,2,4-Trichlorobenzene	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,2,3-Trichlorobenzene	µg/L	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA

Notes and Abbreviation:

1. RPD is calculated for all detected results.
2. ABS is calculated for results failing the RPD and where one result is detected and one is non-detect or results fall below the CRQL.
3. RPD values met criteria (below 50% RPD or ABS values below five times the CRQL).

ABS = absolute difference
RPD = relative percent difference
CRQL = contract required detection limit
J = estimated
U = non-detect
DESA = Division of Environmental Science and Assessment
NA = Not available or not applicable
NC = Not calculable
µg = microgram; L = liter
mg = milligram

R2-0007943

Table 3-4
Data Usability - 2009
Groundwater Samples Field Duplicate Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		PS-MPW3-163	PS-MPW3-163-DUP	RPD	ABS	PS-MPW5-283	PS-MPW5-283-DUP	RPD	ABS
Sample Name			PS-MPW3-425				PS-MPW5-425		
Sample Date	Unit \\	7/1/2008	7/1/2008			7/9/2008	7/9/2008		
Chemical Name	Depth	to 163 ft	to 163 ft			to 283 ft	to 283 ft		

R2-0007944

Table 3-4
Data Usability - 2009
Groundwater Samples Field Duplicate Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		PS-MPW3-163	PS-MPW3-163-DUP	RPD	ABS	PS-MPW5-283	PS-MPW5-283-DUP	RPD	ABS
Sample Name			PS-MPW3-425				PS-MPW5-425		
Sample Date	Unit \\	7/1/2008	7/1/2008			7/9/2008	7/9/2008		
Chemical Name	Depth	to 163 ft	to 163 ft			to 283 ft	to 283 ft		

R2-0007945

Table 3-4
Data Usability - 2009
Groundwater Samples Field Duplicate Results
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		PS-MPW3-163	PS-MPW3-163-DUP	RPD	ABS	PS-MPW5-283	PS-MPW5-283-DUP	RPD	ABS
Sample Name			PS-MPW3-425				PS-MPW5-425		
Sample Date	Unit \\	7/1/2008	7/1/2008			7/9/2008	7/9/2008		
Chemical Name	Depth	to 163 ft	to 163 ft			to 283 ft	to 283 ft		

R2-0007946

Table 3-5
Data Usability - 2009
Field Duplicate Outlier Summary
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		CCSB-02-C		CCSB-02-C-DUP		RPD	ABS	CCSB-04-B		CCSB-04-B-DUP		RPD	ABS	PESB-09-B		PESB-09-B-DUP		RPD	ABS
Sample Name				CCSB-102-C						CCSB-104-B						PESB-109-B			
Sample Date	Unit \\	11/8/2007		11/8/2007				11/9/2007		11/9/2007				11/13/2007		11/13/2007			
Chemical Name	Depth	21 to 23 ft		21 to 23 ft				5 to 7 ft		5 to 7 ft				9 to 11 ft		9 to 11 ft			
Inorganic Analytes																			
Aluminum	µg/kg							1.45E+07	J	3.70E+07	J	**87.4**	**22500000**	6610000		1.74E+07		**89.9**	NA
Calcium	µg/kg																		
Chromium	µg/kg							39800		133000	J	**107.9**	**93200**						
Cobalt	µg/kg	82000	J	151000	J	**59.2**	**69000.0**												
Copper	µg/kg							192000	J	345000	J	**57.0**	**153000**	83900		2.73E+05		**106.0**	**189100**
Magnesium	µg/kg													720000	U	8.18E+06		NC	**7460000**
Manganese	µg/kg													2820000		1.65E+06		**52.3**	**1170000**
Nickel	µg/kg							17200	R	97600		**140.1**	**80400**						
Zinc	µg/kg							54800	J	94000	J	**52.7**	39200	21400		2.02E+05		**161.7**	**180600**

Sample Code		CCSB-02-C		CCSB-02-C-DUP		RPD		ESSB-04-C		ESSB-04-C-DUP		RPD		RMSB-06-B		RMSB-06-B-DUP		RPD
Sample Name				CCSB-102-C						ESSB-104-C						RMSB-105-B		
Sample Date	Unit \\	11/8/2007		11/8/2007				11/20/2007		11/20/2007				12/20/2007		12/20/2007		
Chemical Name	Depth	21 to 23 ft		21 to 23 ft				21 to 23 ft		21 to 23 ft				17 to 19 ft		17 to 19 ft		
Additional Parameters																		
% Very Course Sand >1 - 2 mm	%	1		2		**66.7**												
% Coarse Sand >.5 - 1 mm	%	2		5		**85.7**												
% Medium Sand >.25 - .5 mm	%	3		6		**66.7**												
% Clay & Colloids	%							6		11		**58.8**						
Total Organic Carbon	mg/Kg	420	J	830		**65.6**								5700		3300		**53.3**

Sample Code		IDCSB-03-B		IDCSB-03-B-DUP		RPD	ABS
Sample Name				IDCSB-103-B			
Sample Date	Unit \\	12/13/2007		12/13/2007			
Chemical Name	Depth	4 to 6 ft		4 to 6 ft			
Inorganic Analytes							
Calcium	µg/kg	1.67E+07	J	8.11E+06	J	**69.2**	**8590000**

Notes and Abbreviation:
1. RPD is calculated for all detected results.
2. ABS is calculated for results failing the RPD and where one result is detected and one is non-detect or results fall below the CRQL.
3. Values highlighted exceed criteria (above 50% RPD or ABS values above five times the CRQL).

ABS = absolute difference
RPD = relative percent difference
CRQL = contract required detection limit

µg = microgram; L = liter; kg = kilogram
J = estimated
U = non-detect

R2-0007947

Table 4
Field and Trip Blank Results

Table 4-1 – Supply Wells Field and Trip Blanks

Table 4-2 – Soil Boring Sampling Field Blanks

Table 4-3 – Packer and Groundwater Field and Trip Blanks

Table 4-1
Data Usability - 2009
Supply Well Samples Field and Trip Blanks
Cidra Groundatwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		FB071307		FB071707		FB071807		FB072007		FB071907	
Sample Name											
Sample Date	Unit \\	7/13/2007		7/17/2007		7/18/2007		7/20/2007		7/19/2007	
Volatile Organic Compounds											
Chloromethane	µg/L	0.5	U	**0.67**		**0.61**		***0.18***	J	***0.37***	J
Acetone	µg/L	5	U	5	U	5	U	**11**		5	U
Methylene Chloride	µg/L	***0.16***	J	***0.22***	J	***0.16***	J	***0.24***	J	***0.21***	J
Chloroform	µg/L	**1.1**		**0.95**		**0.5**		**0.54**		***0.41***	J
Styrene	µg/L	0.5	U	***0.17***	J	***0.22***	J	0.5	U	0.5	U
1,2-Dibromo-3-chloropropane	µg/L	0.5	U	0.5	U	0.5	U	**0.58**		0.5	U
Inorganic Analytes											
Aluminum	µg/L	200	U	***17.7***	J	200	U	200	U	***10.2***	J
Copper	µg/L	25	U	25	U	25	U	***0.87***	J	25	U
Potassium	µg/L	5000	U	5000	U	5000	U	***55.5***	J	5000	U
Selenium	µg/L	5	U	5	U	5	U	***0.44***	J	5	U
Zinc	µg/L	***32.6***	J	***36.5***	J	***31.2***	J	***41.6***	J	***32.3***	J

Sample Code		TB071207		TB071307		TB071607		TB071707		TB071807		TB071907		TB072007		TB072407		TB073107	
Sample Name																			
Sample Date	Unit \\	7/12/2007		7/13/2007		7/16/2007		7/17/2007		7/18/2007		7/19/2007		7/20/2007		7/24/2007		7/31/2007	
Volatile Organic Compounds																			
Chloromethane	µg/L	**0.59**		0.5	U	**0.56**		**0.68**		***0.39***	J	**0.62**		***0.38***	J	***0.47***	J	***0.28***	J
Carbon Disulfide	µg/L	***0.27***	J	**2.5**		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	**0.56**	
Methylene Chloride	µg/L	0.5	U	0.5	U	0.5	U	***0.15***	J	0.5	U	0.5	U	***0.13***	J	0.5	U	0.5	U
Chloroform	µg/L	0.5	U	0.5	U	0.5	U	**1.2**		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Benzene	µg/L	**1.3**		**1.1**		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Toluene	µg/L	***0.26***	J	***0.25***	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	***0.11***	J
Ethylbenzene	µg/L	**0.57**		***0.56***		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
o-Xylene	µg/L	***0.1***	J	***0.11***	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
m,p-Xylene	µg/L	**1.3**		**1.3**		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Styrene	µg/L	***0.14***	J	***0.13***	J	0.5	U	***0.14***	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U

Notes and Abbreviations:

1. No compounds were detected in the Pesticides/PCB fractions.
2. Blank cells indicate that no analysis was performed for that compound in that sample.
3. Hits above CRQL are highlighted and bolded
4. Hits below the CRQL are bolded and italicized.

AES - atomic emission spectrometer
CRQL = contract required quantitation limit
FB = Field blank
PCBs = Polychlorinated biphenyls
NA = Not Applicable
TCL - target compound list
µg/L = micrograms per liter
U = Non-detect
J = Estimated
TB = Trip blank

R2-0007949

Table 4-2
Data Usability-2009
Soil Boring Sampling - Field Blanks
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Chemical Name	Sample Code / Sample Date / Unit \\	FB110907 11/9/2007		FB111207-SG 11/12/2007		FB111307 11/13/2007		FB112707 11/27/2007		FB120707 12/7/2007		FB122007 12/20/2007	
Volatile Organic Compounds													
Methylene Chloride	µg/L	5	U	5	U			5	U	***0.45***	J	**0.58**	J
2-Butanone	µg/L	10	U	10	U			10	U	***2.2***	J	10	U
4-Methyl-2-pentanone	µg/L	10	U	10	U	No		***1.3***	J	***1***	J	10	U
Toluene	µg/L	5	U	5	U	Results		***0.29***	J	5	U	5	U
2-Hexanone	µg/L	10	U	10	U			10	U	***1.4***	J	10	U
Semi-Volatile Organic Compounds													
Butylbenzylphthalate	µg/L	5	U			5	U	5	UJ	***0.66***	J	4.8	U
bis(2-Ethylhexyl) phthalate	µg/L	5	U			5	U	5	UJ	***1.4***	J	4.8	U
PCBs													
Pesticides				No		Detections							
Inorganic Analytes													
Aluminum	µg/L	NA				NA		200	U	***16.4***	J	200	U
Arsenic	µg/L	**1.7**				**1.6**		10	U	10	U	10	U
Barium	µg/L	10	U			10	U	200	U	200	U	***11.6***	J
Calcium	µg/L	NA				NA		***20.3***	J	***242***	J	***280***	J
Chromium	µg/L	2	U			2	U	10	U	10	U	***8.9***	J
Iron	µg/L	**100**		Metals Not		**100**		**181**		***39.3***	J	**131**	
Magnesium	µg/L	NA		Analyzed		NA		5000	U	***29.3***	J	***28.1***	J
Nickel	µg/L	1	U			1	U	40	U	40	U	***35.7***	J
Potassium	µg/L	NA				NA		5000	U	***39***	J	***1370***	J
Silver	µg/L	1	U			1	U	10	U	10	U	***6.3***	J
Sodium	µg/L	NA				NA		5000	U	***617***	J	**5800**	
Zinc	µg/L	**30**				**40.9**		60	U	60	U	***58.4***	J

Notes and Abbreviations:
1. No compounds were detected in the Pesticides/PCB fractions.
2. Blank cells indicate that no analysis was performed for that compound in that sample.
3. Hits above CRQL are highlighted and bolded
4. Hits below the CRQL are bolded and italicized.

AES - atomic emission spectrometer
CRQL = Contract required quantitation limit
FB = Field blank
PCBs = Polychlorinated biphenyls
NA = Not applicable or not analyzed
TCL - target compound list
µg/L = micrograms per lite
U = Non-detect
J = Estimated

R2-0007950

Table 4-3
Data Usability - 2009
Packer and Groundwater Samples - Field and Trip Blanks
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		FB-070208		FB-070908		FB-071408		FB-071608		WB012009		TB-062608		TB-062708		TB-070108		TB-070208		TB-070308	
Sample Name																					
Sample Date		7/2/2008		7/9/2008		7/14/2008		7/16/2008		1/20/2009		6/26/2008		6/27/2008		7/1/2008		7/2/2008		7/3/2008	
Chemical Name	Unit \\																				
Trace Volatile Organic Compounds																					
Dichlorodifluoromethane	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	***0.16***	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloromethane	µg/L	0.5	U	0.5	U	***0.18***	J	0.5	U			***0.24***	J	***0.37***	J	0.5	U	0.5	U	0.5	U
Trichlorofluoromethane	µg/L	0.5	U	0.5	U	0.5	U	0.5	U			0.5	U	0.5	U	0.5	U	0.5	UJ	0.5	U
Acetone	µg/L	10		5	U	**25**		5	U			5	U	5	U	5	U	5	U	5	U
Carbon Disulfide	µg/L	***0.25***	J	0.5	U	0.5	U	0.5	U			0.5	U	0.5	U	***0.12***	J	0.5	U	***0.11***	J
Methylene Chloride	µg/L	***0.073***	J	***0.21***	J	0.5	U	***0.18***	J			***0.11***	J	0.5	U	***0.082***	J	***0.08***	J	***0.079***	J
Chloroform	µg/L	0.5	U	**0.5**		0.5	U	0.5	U	**0.57**		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methylcyclohexane	µg/L									***0.13***	J										
4-Methyl-2-pentanone	µg/L	5	U	5	U	5	U	5	U			5	U	5	U	5	U	5	U	5	U
Toluene	µg/L	***0.14***	J	0.5	U	0.5	U	0.5	U			0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Tetrachloroethene	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	***0.15***	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
m,p-Xylene	µg/L	***0.07***	J	0.5	U	0.5	U	0.5	U			0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,3-Dichlorobenzene	µg/L									***0.11***	J										
1,4-Dichlorobenzene	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	***0.16***	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,4-Trichlorobenzene	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	***0.16***	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,3-Trichlorobenzene	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	***0.12***	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U

Notes and Abbreviations:

1. FB-062608, FB-063008, and TB-063008 were also collected but all results were non-detect.
2. No compounds were detected in the SVOC and Pesticides/PCB fractions.
3. Blank cells indicate that no analysis was performed for that compound in that sample.
4. Hits above the CRQL are highlighted and bolded.
5. Hits below the CRQL are bolded and italicized.
6. Packer samples were collected in June & July 2008. GW samples were collected in January 2009.

CRQL = Contract required quantitation limit
FB = Field blank
TB = Trip Blank
WB - water blank
TCL - target compound list

µg/L = micrograms per lite
U = Non-detect
J = Estimated
SVOC = Semivolatile organic compound
PCB = Polychlorinated biphenyl

Table 4-3
Data Usability - 2009
Packer and Groundwater Samples - Field and Trip Blanks
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		TB-070708		TB-070808		TB-070908		TB-071008		TB-071108		TB-071408		TB-071508		TB-071608		TB-071808	
Sample Name																			
Sample Date		7/7/2008		7/8/2008		7/9/2008		7/10/2008		7/11/2008		7/14/2008		7/15/2008		7/16/2008		7/18/2008	
Chemical Name	Unit \\																		
Trace Volatile Organic Compounds																			
Dichlorodifluoromethane	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloromethane	µg/L	0.5	U	0.18	J	0.5	U	***0.33***	J	0.5	U	***0.33***	J	0.5	U	0.5	U	0.5	U
Trichlorofluoromethane	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Acetone	µg/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Carbon Disulfide	µg/L	**0.81**		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methylene Chloride	µg/L	***0.27***	J	***0.19***	J	***0.2***	J	***0.2***	J	***0.19***	J	***0.2***	J	***0.18***	J	***0.16***	J	***0.2***	J
Chloroform	µg/L	**0.63**		**0.58**		**0.52**		**0.51**		**0.5**		0.5	U	0.5	U	***0.38***	J	0.5	U
Methylcyclohexane	µg/L																		
4-Methyl-2-pentanone	µg/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Toluene	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Tetrachloroethene	µg/L	0.5	U	0.5	U	***0.2***	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
m,p-Xylene	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,3-Dichlorobenzene	µg/L																		
1,4-Dichlorobenzene	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,4-Trichlorobenzene	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,3-Trichlorobenzene	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U

Notes and Abbreviations:

1. FB-062608, FB-063008, and TB-063008 were also collected but all results were non-detect.
2. No compounds were detected in the SVOC and Pesticides/PCB fractions.
3. Blank cells indicate that no analysis was performed for that compound in that sample.
4. Hits above the CRQL are highlighted and bolded.
5. Hits below the CRQL are bolded and italicized.
6. Packer samples were collected in June & July 2008. GW samples were collected in January 2009.

CRQL = Contract required quantitation limit
FB = Field blank
TB = Trip Blank
PCB = Polychlorinated biphenyl
TCL - target compound list

µg/L = micrograms per lite
U = Non-detect
J = Estimated
SVOC = Semivolatile organic compound

Table 4-3
Data Usability - 2009
Packer and Groundwater Samples - Field and Trip Blanks
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Sample Code		TB-072108		TB011309		TB011409		TB011509		TB011609		TB011909		TB012009	
Sample Name															
Sample Date		7/21/2008		1/13/2009		1/14/2009		1/15/2009		1/16/2009		1/19/2009		1/20/2009	
Chemical Name	Unit \\														
Trace Volatile Organic Compounds															
Dichlorodifluoromethane	µg/L	0.5	U	***0.16***	J	***0.21***	J	0.5	U	***0.13***	J	0.5	U	0.5	U
Chloromethane	µg/L	0.5	U	0.5	U	0.5	UJ	0.5	U	0.5	U	0.5	U	0.5	U
Trichlorofluoromethane	µg/L	0.5	U	0.5	U	***0.13***	J	0.5	U	0.5	U	0.5	U	0.5	U
Acetone	µg/L	5	U	5	U	5	U	5	U	5	U	**4.4**	J	5	U
Carbon Disulfide	µg/L	0.5	U	0.5	U	0.5	UJ	0.5	U	0.5	U	0.5	U	0.5	U
Methylene Chloride	µg/L	***0.22***	J	***0.22***	J	***0.23***	J	***0.18***	J	***0.13***	J	***0.19***	J	***0.23***	J
Chloroform	µg/L	**0.85**		**0.99**		**1**		**0.9**		**0.71**		**0.61**	J	**0.53**	
Methylcyclohexane	µg/L														
4-Methyl-2-pentanone	µg/L	5	U	5	U	5	U	**1.3**	J	5	U	5	U	5	U
Toluene	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Tetrachloroethene	µg/L	0.5	U	0.5	U	***0.18***	J	0.5	U	***0.13***	J	0.5	U	0.5	U
m,p-Xylene	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,3-Dichlorobenzene	µg/L														
1,4-Dichlorobenzene	µg/L	0.5	U	0.5	U	***0.12***	J	0.5	U	***0.13***	J	0.5	U	0.5	U
1,2,4-Trichlorobenzene	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	***0.12***	J	***0.24***	J	0.5	U
1,2,3-Trichlorobenzene	µg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	***0.12***	J	0.5	U

Notes and Abbreviations:

1. FB-062608, FB-063008, and TB-063008 were also collected but all results were non-detect.
2. No compounds were detected in the SVOC and Pesticides/PCB fractions.
3. Blank cells indicate that no analysis was performed for that compound in that sample.
4. Hits above the CRQL are highlighted and bolded.
5. Hits below the CRQL are highlighted and italicized.
6. Packer samples were collected in June & July 2008. GW samples were collected in January 2009.

CRQL = Contract required quantitation limit
FB = Field blank
TB = Trip Blank
PCB = Polychlorinated biphenyl
TCL - target compound list

µg/L = micrograms per lite
U = Non-detect
J = Estimated
SVOC = Semivolatile organic compound

Table 5

5-1 - Sample Reporting Limit versus Project Action Limit for Groundwater

5-2 - Sample Reporting Limit versus Project Action Limit for Soil

(Summary of Outliers)

Table 5-1
Data Usability - 2009
Sample Reporting Limits versus Project Action Limits for Groundwater
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

	QAPP Project Action Limit (PAL)	QAPP Project Quantitation Limit Goal (PQLG)	Method CRQL	Sample Name and Exceedances	
Chemical Group /Name					
Inorganic Analytes (µg/L)				**Existing Wells**	**Multiport Wells**
Antimony	5	2	2		MPW-5-P6-S1 (4 U)
Arsenic	10	2	1	CIDR6-1967B (2.8 U)	
Beryllium	4	1	1	CIDR6-1967B (5 U)	
Cadmium	5	1	1		MPW-5-P6-S1 (2 U)
Lead	15	3	1	CIDR4-C (10 U)	MPW-5-P6-S1 (10 U)
Thallium	2	1	1		MPW-5-P6-S1 (2 U)
PCBs (µg/L)					
Aroclor-1016	0.5	0.5	1.0		MPW-1-P1-S1 (1.1 U)
Aroclor-1221	0.5	0.5	1.0		MPW-1-P1-S1 (1.1 U)
Aroclor-1232	0.5	0.5	1.0		MPW-1-P1-S1 (1.1 U)
Aroclor-1242	0.5	0.5	1.0		MPW-1-P1-S1 (1.1 U)
Aroclor-1248	0.5	0.5	1.0		MPW-1-P1-S1 (1.1 U)
Aroclor-1254	0.5	0.5	1.0		MPW-1-P1-S1 (1.1 U)
Aroclor-1260	0.5	0.5	1.0		MPW-1-P1-S1 (1.1 U)
Semivolatile Organic Compounds (µg/L)					
Atrazine[4]	3	0.6	5		MPW-4-P1-S1 (5.6 U)
Benzo(a)pyrene	0.2	0.1	0.1		MPW-4-P1-S1 (5.6 U)
bis(2-Ethylhexyl)phthalate	6	5	5		MPW-4-P1-S1 (5.6 U)
Hexachlorobenzene[4]	1	0.2	5		MPW-4-P1-S1 (5.6 U)
Pentachlorophenol	1	0.2	0.2		MPW-4-P1-S1 (5.6 U)
Volatile Organic Compounds (µg/L)					
1,2-Dibromo-3-chloropropane	0.2	0.1	0.05	CIDR8-A (1 U)	

Notes:

1 Exceedances above both PAL and PQLG are highlighted.
2 Other exceedances listed above are above the PALG but below PAL.
3 Some metals were identified in the QAPP as having CRQLs exceeding the project required limits.
ICP-MS modification was requested to achieve lowered limits for antimony, arsenic, beryllium, cadmium, selenium, and thallium.
However, the samples above still exceeded the required limits.
4 Atrazine and hexachlorobenzene were included in a modification request to obtain the PALs as CRQLs.

CRQL = Contract required quantitation limit
U = Non-detect
mg/kg = milligram per kilogram
µg/kg = microgram per kilogram

Table 5-2
Data Usability - 2009
Sample Reporting Limits versus Project Action Limits for Soil
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

	QAPP Project Action Limit (PAL)	QAPP Project Quantitation Limit Goal	Method CRQL	Sample Name and Exceedances				
Chemical Group /Name				**CC Label**	**Coffee Shop**	**Donquixotte**	**Esso-LM**	**Intl Dry Cleaners**
Volatile Organic Compounds (µg/kg)								
1,1,2,2-Tetrachloroethane	3.00	3.00	5	CCSB-07-B (7.9 U)	CCSB-01-A (6.5 U)	DQSB-03-A (7 U)	ESSB-02-B (8.7 U)	IDCSB-04-A (6.5 U)
1,3-Dichloropropene	4.00	4.00	5	CCSB-07-B (7.9 U)	CCSB-01-A (6.5 U)	DQSB-03-A (7 U)	ESSB-02-B (8.7 U)	IDCSB-04-A (6.5 U)
Vinyl chloride (chloroethene)	10.00	5.00	5	CCSB-07-B (7.9 U)	CCSB-01-A (6.5 U)	DQSB-03-A (7 U)	ESSB-02-B (8.7 U)	IDCSB-04-A (6.5 U)
Semivolatile Organic Compounds (µg/kg)								
2,4-Dichlorophenoxy-	400.00	80.00		CCSB-02-C (270 U)	CCSB-01-A (250 U)	DQSB-03-A (260 U)	ESSB-10-D (490 U)	IDCSB-03-B (250 U)
2,4,6-Trichlorophenol	200.00	200.00	170	CCSB-02-C (270 U)	CCSB-01-A (250 U)	DQSB-03-A (260 U)	ESSB-10-D (490 U)	IDCSB-03-B (250 U)
2,4-Dinitrophenol	200.00	100.00	330	CCSB-02-C (270 U)	CCSB-01-A (250 U)	DQSB-03-A (260 U)	ESSB-10-D (490 U)	IDCSB-03-B (250 U)
2,4-Dinitrotoluene	0.80	0.40	170	CCSB-02-C (270 U)	CCSB-01-A (250 U)	DQSB-03-A (260 U)	ESSB-10-D (490 U)	IDCSB-03-B (250 U)
2,6-Dinitrotoluene	0.70	0.35	170	CCSB-02-C (270 U)	CCSB-01-A (250 U)	DQSB-03-A (260 U)	ESSB-10-D (490 U)	IDCSB-03-B (250 U)
3,3-Dichlorobenzidine	7.00	7.00	170	CCSB-02-C (270 U)	CCSB-01-A (250 U)	DQSB-03-A (260 U)	ESSB-10-D (490 U)	IDCSB-03-B (250 U)
Benzo(a)pyrene	210.96	210.96	170	CCSB-02-C (270 U)	CCSB-01-A (250 U)	DQSB-03-A (260 U)	ESSB-10-D (490 U)	IDCSB-03-B (250 U)
Bis(2-chloroethyl)ether	0.40	0.40	170	CCSB-02-C (270 U)	CCSB-01-A (250 U)	DQSB-03-A (260 U)	ESSB-10-D (490 U)	IDCSB-03-B (250 U)
Dibenz(a,h)anthracene	210.96	189.87	170	CCSB-02-C (270 U)	CCSB-01-A (250 U)	DQSB-03-A (260 U)	ESSB-10-D (490 U)	IDCSB-03-B (250 U)
Nitrobenzene	100.00	1500.00	170	CCSB-02-C (270 U)	CCSB-01-A (250 U)	DQSB-03-A (260 U)	ESSB-10-D (490 U)	IDCSB-03-B (250 U)
N-Nitrosodi-n-propylamine	0.05	0.05	170	CCSB-02-C (270 U)	CCSB-01-A (250 U)	DQSB-03-A (260 U)	ESSB-10-D (490 U)	IDCSB-03-B (250 U)
Pentachlorophenol	30.00	30.00	330	CCSB-02-C (270 U)	CCSB-01-A (250 U)	DQSB-03-A (260 U)	ESSB-10-D (490 U)	IDCSB-03-B (250 U)
Pesticides (µg/kg)								
alpha-BHC	0.50	0.50	1.7	CCSB-02C-DUP (2.7 U)	CCSB-01-A (2.5 U)	DQSB-03-A (2.6 U)	ESSB-02-C (2.7 U)	IDCSB-03-B (2.5 U)
Dieldrin	4.00	4.00	3.3	CCSB-02C-DUP (4.6 U)	CCSB-01-A (4.8 U)	DQSB-03-A (5 U)	ESSB-02-C (5.1 U)	IDCSB-03-B (4.9 U)
Inorganic Analytes (units mg/kg)								
Antimony	5.00	1.00	6	CCSB-03-C (24 U)	CCSB-01-B (8.3 U)	DQSB-03-A (2.3 U)	ESSB-13-B (8.7 U)	IDCSB-03-B (2.3 U)
Selenium	5.00	4.00	3.5	CCSB-03-C (5.6 U)	CCSB-02-A (5.1 U)	DQSB-03-A (5.3 U)	ESSB-02-C (5.5 U)	IDCSB-03-B (5.6 U)
Thallium	0.70	0.50	2.5	CCSB-03-C (4 U)	CCSB-01-B (3.4 U)		ESSB-02-C (3.6 U)	

Notes:

1 Exceedances above both PAL and PQLG are highlighted.
2 Other exceedances listed above are above the PQLG but below PAL.
3 Antimony and thallium were identified in the QAPP as having CRQLs exceeding the project required limits. A modification was issued by EPA to request lowered limits for metals. Lowered CRQLs were obtained for antimony (3), thallium (0.5) and selenium (2.5 mg/kg) et al; however, these samples still exceeded the required limits.

CRQL = Contract required quantitation limit
PQLG = Project quantitation limit goal
QAPP = quality assurance project plan
mg/kg = milligram per kilogram
µg/kg = microgram per kilogram
U = Non-detect

Table 5-2
Data Usability - 2009
Sample Reporting Limits versus Project Action Limits for Soil
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

	QAPP Project Action Limit (PAL)	QAPP Project Quantitation Limit Goal	Method CRQL	Sample Name and Exceedances				
Chemical Group /Name				**IVAX**	**Pepsi**	**Ramallo**	**Ramancito**	**Shellfoam**
Volatile Organic Compounds (µg/kg)								
1,1,2,2-Tetrachloroethane	3.00	3.00	5	IVSB-01-C (11 U)	PESB-04-B (7.7 U)	RMSB-03-B (8 U)	RCT-02-A (6.8 U)	SHSB-06-B (7.2 U)
1,3-Dichloropropene	4.00	4.00	5	IVSB-01-C (11 U)	PESB-04-B (7.7 U)	RMSB-03-B (8 U)	RCT-02-A (6.8 U)	SHSB-06-B (7.2 U)
Vinyl chloride (chloroethene)	10.00	5.00	5	IVSB-01-C (11 U)	PESB-04-B (7.7 U)	RMSB-03-B (8 U)	RCT-02-A (6.8 U)	SHSB-06-B (7.2 U)
Semivolatile Organic Compounds (µg/kg)								
2,4-Dichlorophenoxy-	400.00	80.00		IVSB-06-D (270 U)	PESB-01-C (260 U)	RMSB-01-C (270 U)	RCT-02-A (250 U)	SHSB-06-B (270 U)
2,4,6-Trichlorophenol	200.00	200.00	170	IVSB-06-D (270 U)	PESB-01-C (260 U)	RMSB-01-C (270 U)	RCT-02-A (250 U)	SHSB-06-B (270 U)
2,4-Dinitrophenol	200.00	100.00	330	IVSB-06-D (270 U)	PESB-01-C (260 U)	RMSB-01-C (270 U)	RCT-02-A (250 U)	SHSB-06-B (270 U)
2,4-Dinitrotoluene	0.80	0.40	170	IVSB-06-D (270 U)	PESB-01-C (260 U)	RMSB-01-C (270 U)	RCT-02-A (250 U)	SHSB-06-B (270 U)
2,6-Dinitrotoluene	0.70	0.35	170	IVSB-06-D (270 U)	PESB-01-C (260 U)	RMSB-01-C (270 U)	RCT-02-A (250 U)	SHSB-06-B (270 U)
3,3-Dichlorobenzidine	7.00	7.00	170	IVSB-06-D (270 U)	PESB-01-C (260 U)	RMSB-01-C (270 U)	RCT-02-A (250 U)	SHSB-06-B (270 U)
Benzo(a)pyrene	210.96	210.96	170	IVSB-06-D (270 U)	PESB-01-C (260 U)	RMSB-01-C (270 U)	RCT-02-A (250 U)	SHSB-06-B (270 U)
Bis(2-chloroethyl)ether	0.40	0.40	170	IVSB-06-D (270 U)	PESB-01-C (260 U)	RMSB-01-C (270 U)	RCT-02-A (250 U)	SHSB-06-B (270 U)
Dibenz(a,h)anthracene	210.96	189.87	170	IVSB-06-D (270 U)	PESB-01-C (260 U)	RMSB-01-C (270 U)	RCT-02-A (250 U)	SHSB-06-B (270 U)
Nitrobenzene	100.00	1500.00	170	IVSB-06-D (270 U)	PESB-01-C (260 U)	RMSB-01-C (270 U)	RCT-02-A (250 U)	SHSB-06-B (270 U)
N-Nitrosodi-n-propylamine	0.05	0.05	170	IVSB-06-D (270 U)	PESB-01-C (260 U)	RMSB-01-C (270 U)	RCT-02-A (250 U)	SHSB-06-B (270 U)
Pentachlorophenol	30.00	30.00	330	IVSB-06-D (270 U)	PESB-01-C (260 U)	RMSB-01-C (270 U)	RCT-02-A (250 U)	SHSB-06-B (270 U)
Pesticides (µg/kg)								
alpha-BHC	0.50	0.50	1.7	IVSB-04-C (2.7 U)	PESB-02-C (2.7 U)	RMSB-01-C (2.7 U)	RCT-06-B (2.5 U)	SHSB-06-B (2.7 U)
Dieldrin	4.00	4.00	3.3	IVSB-04-C (5.2 U)	PESB-02-C (5.2 U)	RMSB-01-C (5.3 U)	RCT-06-B (4.9 U)	SHSB-06-B (5.2 U)
Inorganic Analytes (units mg/kg)								
Antimony	5.00	1.00	6	IVSB-06-D (9.4 U)	PESB-01-A (2.7 U)	RMSB-07-C (10.5 U)	RCT-02-A (2.2 U)	SHSB-06-B (4.6 U)
Selenium	5.00	4.00	3.5	IVSB-06-D (5.5 U)	PESB-01-A (6.4 U)	RMSB-07-C (6.1 U)	RCT-101-A (5.2 U)	SHSB-06-B (5.4 U)
Thallium	0.70	0.50	2.5	IVSB-06-D (3.9 U)		RMSB-07-C (4.4 U)		SHSB-06-B (0.76 U)

Notes:

1 Exceedances above both PAL and PQLG are highlighted.
2 Other exceedances listed above are above the PQLG but below PAL.
3 Antimony and thallium were identified in the QAPP as having CRQLs exceeding the project required limits. A modification was issued by EPA to request lowered limits for metals. Lowered CRQLs were obtained for antimony (3), thallium (0.5) and selenium (2.5 mg/kg) et al; however, these samples still exceeded the required limits.

CRQL = Contract required quantitation limit
PQLG = Project quantitation limit goal
QAPP = quality assurance project plan
mg/kg = milligram per kilogram
µg/kg = microgram per kilogram
U = Non-detect

R2-0007957

Table 6

Data Completeness Report
(Usability Summary)

Table 6
Data Usability - 2009
Completeness Report
Cidra Groundwater Contamination Site RI/FS
Cidra, Puerto Rico

Analytical Parameter	Non-Detects	Hits	Rejects	Total	Estimated Hits	Percent Estimated (Hits Only)	Percent Rejected
Supply Well Sampling - July 2007							
Cyanide	4	24	0	28	15	53.57	0.00
Metals	324	309	11	644	175	27.17	1.71
VOCs	51	0	1	52	0	0.00	1.92
Trace VOC	1317	111	0	1428	42	2.94	0.00
VOCs (SIM)	50	0	0	50	0	0.00	0.00
SVOCs	1863	13	0	1876	13	0.69	0.00
SVOCs (SIM)	439	11	0	450	11	2.44	0.00
Pesticides	585	3	0	588	2	0.34	0.00
PCB Aroclors	252	0	0	252	0	0.00	0.00
Totals	**4885**	**471**	**12**	**5368**	**258**	**4.81**	**0.22**
Soil Boring Samples - November 2007							
Grain Size Distribution	0	400	0	400	0	0.00	0.00
pH-Soil	0	50	0	50	0	0.00	0.00
Soil Moisture	0	256	0	256	0	0.00	0.00
Total Organic Carbon-soil	0	50	0	50	23	46.00	0.00
Cyanide	187	52	17	256	52	20.31	6.64
Metals	1823	3967	98	5888	1554	26.39	1.66
VOCs	12620	358	282	13260	195	1.47	2.13
Semi-VOCs	16963	156	33	17152	116	0.68	0.19
Pesticides	5277	89	10	5376	70	1.30	0.19
PCB Aroclors	2176	2	126	2304	0	0.00	5.47
Totals	**39046**	**5380**	**566**	**44992**	**2010**	**4.47**	**1.26**
Packer Sampling June-July 2008							
Trace VOC	1741	554	0	2295	255	11.11	0.00
Groundwater Samples 2009							
Alkalinity	0	19	0	19	0	0.00	0.00
Chloride	0	19	0	19	0	0.00	0.00
Hardness	0	19	0	19	19	100.00	0.00
Ammonia	19	0	0	19	0	0.00	0.00
Nitrate	0	19	0	19	7	36.84	0.00
Nitrite	13	6	0	19	5	26.32	0.00
Sulfate	0	19	0	19	0	0.00	0.00
Sulfide	18	1	0	19	0	0.00	0.00
TKN	5	14	0	19	0	0.00	0.00
TOC -water	13	6	0	19	0	0.00	0.00
Total Dissolved Solids	0	19	0	19	0	0.00	0.00
Total Suspended Solids	19	0	0	19	0	0.00	0.00
Cyanide	33	2	0	35	2	5.71	0.00
Inorganic Analytes	454	351	0	805	199	24.72	0.00
VOCs	1517	319	0	1836	205	11.17	0.00
VOCs (SIM Method)	72	0	0	72	0	0.00	0.00
SVOCs	2326	19	0	2345	7	0.30	0.00
SVOCs (SIM Method)	697	3	0	700	3	0.43	0.00
Pesticides	373	2	3	378	1	0.26	0.79
PCB Aroclors	313	2	0	315	0	0.00	0.00
Methane/Ethane/Ethene	58	2	0	60	0	0.00	0.00
Sub-Totals	**5930**	**841**	**3**	**6774**	**448**	**6.61**	**0.04**
Totals	**51602**	**7246**	**581**	**59429**	**2971**	**5.00**	**0.98**

Percent of all Data Rejected	0.98	
Percent of all Hits Estimated	5.0	(does not include estimated non-detect data)
Percent complete (judged valid)	99.02	(Includes all estimated data)

Notes:

PCB = polychlorinated biphenyls
SIM = selective ion monitoring
SVOC = semi-volatile organic compounds
TKN = total Kjeldahl nitrogen
VOC = volatile organic compound
TOC = total organic carbon

Appendix J-2 – Stage 2 Data Usability Report

Data Quality Assessment Summary

CDM Federal Programs Corporation (CDM) performed field activities during the Stage 2 remedial investigation (RI) sampling activities at the Cidra Groundwater Contamination Site (the Site) between April 23, 2010 and July 2010.

The purpose of this assessment is to evaluate the usability of the data collected and to determine whether they meet the quality objectives and user requirements outlined in the CDM Final Quality Assurance Project Plan (Final QAPP) (CDM 2007) and the Final QAPP Addendum dated March 18, 2010 (CDM 2010).

1.0 Sampling Summary

The existing supply wells were sampled in July 2007, soil boring samples were collected in November 2007, packer samples in June 2008, and groundwater samples in January 2009. These sampling efforts constituted the first phase of the project, Stage 1. Stage 2 consisted of a refined investigation using the results of Stage 1 and consisted of:

- Weathered bedrock monitoring
- Well installation
- Soil borings
- Groundwater sampling

All procedures outlined in the Final QAPP and QAPP Addendum were followed except for the changes documented by the field change requests (FCRs) generated for this project. The changes are summarized under Section 4 of this report. The field changes did not affect usability of the data.

2.0 Project Objectives

The objectives of the Stage 2 sampling activities were to:

- Further define area, depth, and extent of contamination in the groundwater
- Identify plume boundaries in the weathered bedrock zone
- Further define the distribution of volatile organic compounds (VOCs) in soils around the Stage 1 defined potential source areas
- Determine which potential source area may be related to the chlorinated VOC plume and contamination in the Cidra supply wells

Data quality objectives (DQOs) are outlined on worksheets # 12 and 28 of the Final QAPP and QAPP Addendum. They were established to generate data of sufficient quality and quantity to achieve the above project objectives. Measurement criteria were also established for data quality indicators (DQI) (precision, accuracy, representativeness, comparability, and completeness) as a mechanism for on-going control and a means of evaluating and measuring data quality throughout the project.

3.0 Usability Summary

The intended uses of the Stage 2 data collected during this reporting period were to provide additional information about the potential source of groundwater contamination and contaminant distribution in the bedrock aquifer. All samples were analyzed using approved analytical methods and method detection limits (MDLs) appropriate for the data uses described above.

In general, the majority of the data is usable for project decisions. Currently, 316 sample results, or 1.7 percent of the entire data set, have been rejected due to poor 1,4-dioxane response and high moisture content in one sample. The rejected results are not usable for project decisions.

A list of samples analyzed during this sampling event is provided in Table 1. A list of qualifier definitions is provided in Section 8. Sample results qualified as estimated with a "J" or "UJ" are considered usable for the project purposes, but should be used with caution. Sample results that have been rejected "R" are not usable for project purposes. [*The validation reports and case narratives for this report are included for review purposes only.]*

4.0 Summary of Field Activities

CDM completed Stage 2 sampling activities in accordance with the Environmental Protection Agency (EPA) approved Final QAPP and QAPP Addendum. A summary of the data collected is presented in Table 1. Samples were collected and shipped to the EPA Contract Laboratory Program (CLP) laboratories, and the Division of Environmental Science and Assessment (DESA), and CDM subcontract laboratory for analysis as specified on Table 2. The Final QAPP and QAPP Addendum defined the procedures to be followed and the data quality requirements for the field program.

Several FCRs documenting changes to the field program outlined in the Final QAPP were implemented during the Stage 1 investigation. FCRs-2 through 8 were not utilized during Stage 2; only FCR-1 was used during Stage 2:

- FCR-1 dated November 9, 2007 - a high density polyethylene (HDPE) syringe type device was used to collect soil samples for Target Compound List (TCL) VOCs analysis.

Data quality was improved by decreasing the disturbance of soil and minimizing VOC loss, increasing sampling efficiency and speed and decreasing cross-contamination.

Two other changes were implemented during Stage 2 and were documented in letters to EPA:

- SMW-11 (upgradient well) was not drilled in the saprolite since no water was encountered after four attempts.

- MPW-6 multiport well was damaged and not replaced with a multiport well. A single screen well was installed across the primary fracture zone in this borehole.

The impact of these changes will be discussed in the RI report.

To assess the quality of the field data matrix spike/laboratory duplicate (MS/D), field duplicates, and field QC samples were collected as described in the Final QAPP and QAPP Addendum except that the numbers of field blanks were reduced as described below. MS/Ds were collected at a minimum frequency of 5 percent (1 out of every 20 samples) for the wet chemistry analyses as required. VOCs did not require matrix spike/matrix spike duplicates (MS/MSDs) as per EPA Region 2 requirement.

Field equipment rinsate blanks after soil decontamination events were not required because all of the equipment was disposable. As a result, there were no decontamination events for sampling equipment. One field blank was collected on 4/23/2010 as a QC check on the disposable equipment. It was collected at the commencement of soil sampling activities by pouring demonstrated analyte-free water over a clean, HDPE syringe and through the sample acetate liner into the sample collection bottles. The associated soil field blank was analyzed for TCL VOCs as were the soil samples. Some field blanks were collected for wells sampled with pumps. Five field blanks were collected for the groundwater samples associated with each decontamination event for the monitoring well sampling. Trip blanks were submitted with each cooler containing water samples for VOC analysis.

Samples were given CDM identification (ID) numbers, but were submitted to the laboratories using an assigned CLP sample number. Field duplicate samples (blind duplicate samples submitted to the laboratories for confirmation analysis) were given a different CLP number than the original sample. After analytical results were received from the laboratory, samples were renamed to their CDM identification number; duplicates were given the same identification number as the original sample but with a "DUP" added to signify the sample was a field duplicate.

5.0 Field Quality Assurance/ Quality Control (QA/QC)

Field quality assurance/quality control (QA/QC) objectives were accomplished through the use of the appropriate and QAPP-approved sampling techniques and collection of field duplicates and blanks. Analytical QA/QC was assessed by internal QC checks, MS/Ds, method blanks, storage blanks, deuterated monitoring compounds (surrogate spikes), sample custody tracking, sample preservation, holding times adherence, calibration checks, and laboratory control samples (LCSs).

5.1 Methods

For the Stage 2 soil and groundwater events, samples were analyzed using the methods shown on Table 2; no deviations from the methods listed on QAPP worksheet 30 were noted. Note that the EPA DESA laboratory used the methods specified in the QAPP or equivalent. The VOC analysis required modification to achieve the required project quantitation limit goal (PQLG) of 3 µg/kg and 4 µg/kg, respectively, for 1,1,2,2-tetrachloroethane and 1,3-dichloropropene. The EPA's Regional Sample Control Center procured a CLP laboratory that could achieve the modified CRQLs listed in the table below. These changes allowed the project goals for sensitivity to be achieved.

Table showing Modified Analyses CRQLs Proposed by EPA		
Compound	**CAS Number**	**Soil CRQL (µg/kg)**
1,1,2,2-Tetrachloroethane	79-34-5	2.0
cis-1,3-Dichloropropene	10061-01-5	2.0
trans-1,3-Dichloropropene	10061-02-6	2.0

The VOC data were validated by EPA according to EPA Region 2 Standard Operating Procedures (SOPs) HW-33 for low level VOC, HW-34 for trace level VOC, and HW-2 for metals. In addition, wet chemistry parameters were validated using EPA DESA review requirements. TOC data was validated by CDM using CDM validation SOP 029A, Revision 0.

6.0 Data Quality Indicators

Precision, accuracy, representativeness, comparability, and completeness are used as indicators of data quality and are named DQIs. These DQIs provide a mechanism for evaluating and measuring data quality throughout the project. Achievement of the project's quality objectives were measured from the DQI results assessed against their measurement performance criteria. Worksheets #12 and 28 of the Final QAPP (April 2007) outline the measurement performance criteria. These criteria are defined and their results discussed in the subsections below.

6.1 Accuracy

Accuracy is a measurement of agreement for a given measurement against an accepted reference value. It is typically assessed through the analysis of matrix spike and calibration check samples, and expressed as a percent recovery.

Accuracy for the entire data collection activity is difficult to assess because several sources of error exist. Errors can be introduced by any of the following:

- Sampling procedure
- Field contamination
- Sample preservation and handling
- Sample matrix
- Sample preparation
- Analytical techniques

Accuracy for sampling was maximized through strict adherence to field sampling SOPs, the approved Final QAPP and QAPP Addendum, and the use of EPA approved methods for sample analyses. By following approved procedures, sampling events are expected to provide results that are representative of environmental conditions at the time of sampling. One deviation from these procedures involved the use of an HDPE syringe type device for collection of the soil samples as discussed in Section 4. This improved the representativeness of the results.

Holding Time and Sample Receipt - The technical holding times for many of the pH analysis exceeded the 24 hour holding time and a few nitrate results (MWP-4-P1-S2, MWP-4-P4-S2, AM03467 and AM03468) exceeded the 48 hour holding time. Methane results in two samples

MWP-1-P1-S2, and SMW-01-S2 had air bubbles in the vials. Although the pH data is used to evaluate site contaminant transport and not used directly for site decisions, they should be considered as estimated, "J". The nitrate and methane results were qualified as estimated "J" and should be used cautiously. All other holding times were met and samples were all received in good condition.

Spike Recoveries - EPA validators reviewed the inorganic spikes, as applicable. The pH and TOC data were not validated; the QC summaries in the pH and TOC data packages were reviewed in writing this report. Three preparation batches had TOC MS and/or MSD recoveries above the QC criteria. No action was taken on the MS and MSD results, however, the LCS results were within the required limits. Methane result in MWP-5-P1-S2 was qualified as biased high "K" and biased low "L" in SMW-010-S2 due to matrix spike results outside the QC criteria. All other LCS and MS or MSD results met the metals and wet chemistry QC criteria.

Surrogate Recoveries – Several surrogate deuterated monitoring compounds (DMCs) exceeded QC criteria. This affected 465 VOC results which were estimated "J" by the data validator; no rejections were required. Of this total, 132 were for lower CRQL selective ion monitoring (SIM) level results reflecting a duplication of the VOC compounds estimated.

Calibration Recoveries – Metal calibration standards and organic instrument calibration and calibration checks were performed in accordance with applicable analytical methods. Results met criteria except for the following outliers. Most of the 1,4-dioxane results were rejected (97%) due to poor response (low relative response factor), exceedance of the relative standard deviation of the initial calibration runs, or percent difference criteria of the continuing calibration standards. Outlying calibration standard recoveries also resulted in estimation of cis,1,3-dichloropropene, 1,2,4-trichlorobenzene, vinyl chloride, trichloroethene (TCE), and bromoform. Fifty soil VOC results in case 40039 and 52 VOC results in case 40022 and 40369 were affected and estimated. The remaining 80 affected results were 1,4-dioxane all of which were rejected.

Internal Standards - internal standard areas and retention times met the QC criteria.

Interference Check Standard (Inorganics) – All results met the criteria for this standard.

Serial Dilution – All results met the criteria for this inorganic standard.

6.2 Precision

Precision is a quantitative term that estimates the reproducibility of a set of replicate measurements under a given set of conditions. It is defined as a measurement of mutual agreement between measurements of the same property, and is expressed in terms of relative percent difference (RPD) between duplicate determinations.

RPD is calculated as follows:

RPD = absolute value [(C1-C2)/{(C1+C2)/2)}] x 100

Where: C1 = Concentration of sample #1
C2 = Concentration of sample #2

Field duplicate samples were collected in the same manner as the original samples but were collected in separate containers, given separate sample identifiers and treated as unique samples by the laboratory.

Tables 4a through 4d show the field duplicate data results. RPDs were not calculated when both values were not detected. The absolute difference was calculated when one result was not detected or when one or both results were reported below or equal to five times the reporting limit. An RPD of less than or equal to 50 percent or an absolute difference less than five times the CRQL or reporting limit indicates good precision for field duplicate water samples and an RPD of less than or equal to 100 percent indicates good precision for soil samples (Final QAPP, CDM 2007).

Analytical precision was based on the analytical requirements. Outliers are described in the EPA data validation reports and summarized below.

Analytical Data Precision

The analytical precision for the reported data was determined by review of MS/MSD and laboratory duplicate results. The majority of the data met the requirements; one TOC result failed the 20 percent RPD criteria in batch 1005143WC. The TOC result associated with this batch required estimation but no action was taken since the TOC LCS results met the required QC criteria. No other laboratory duplicate or MS/MSD outliers were noted in the validation reports.

Field Data Precision

Field precision was determined from the field duplicate samples. For detected results, the RPD must be equal to or less than 50 percent for groundwater, or less than 100 percent for soils. For results not detected in either sample or duplicate, or where the results are below the CRQL then the ABS must be less than or equal to five times the CRQL. As shown on Tables 4a through 4d, most field duplicate results met the Final QAPP project-specific precision criteria.

Of the 16 soil field duplicate pairs, six pairs had at least one outlier results. The following parent/field duplicate pairs did not meet RPD or ABS criteria or require further examination:

SOIL FIELD DUPLICATE PAIRS (Table 4a).

- Parent Sample IDCSB-08-D and Duplicate Sample IDCSB-008-D
    - VOCs: cis-1,2-dichloroethene RPD 108.6% [trans-1,2-dichloroethene (1,2-DCE) RPD 109.4%, failed the RPD criterion, however, the results were below the RPD calculation threshold. The ABS result met criteria.]
- Parent Sample CCSB-12-C and Duplicate Sample CCSB-012-C
    - VOCs: Toluene ABS of 61.8

- Parent Sample CCSB-14-C and Duplicate Sample CCSB-014-C
    - VOCs: Toluene ABS of 41.9
- Parent Sample RMSB-12-C and Duplicate Sample RMSB-012-C
    - VOCs: Tetrachloroethene (PCE) RPD of 105.3. (Chloromethane, acetone, cis-1,2-DCE, trichloroethene (TCE) and toluene met criteria when higher CRQL is used but high dilution of duplicate samples masked some hits detected in the undiluted parent samples and resulted in large discrepancies between the result pair)
- Parent Sample RMSB-18-C and Duplicate Sample RMSB-018-C
    - VOCs: 1,1-DCE ABS of 113.1, carbon disulfide RPD of 152.5%, trans-1,2-DCE ABS of 85.1, 1,1-dichloroethane (DCA) RPD of 118.6%, TCE RPD of 192.9%, toluene RPD of 162.8%, o-xylene ABS of 27.4 and m/p-xylene ABS of 61.8. 2-[butanone (RPD of 116.9%) failed the RPD criterion, however, the results were below the RPD calculation threshold. The ABS result met criteria.]
- Parent Sample RMSB-23-D and Duplicate Sample RMSB-023-D
    - VOCs: PCE RPD of 157.2%

<u>AQUEOUS FIELD DUPLICATE PAIRS</u>

- Parent Sample IVAX-2-S2 and Duplicate Sample IVAX-02-S2
    - VOCs: 1,1-DCE RPD of 157.2% groundwater (Table 4b).
- Parent Sample SMW010-S2 and Duplicate Sample SMW010-S2 [groundwater] (Table 4c)

    Metals: Antimony RPD of 82.9% and iron ABS of 251

    Gases: Methane RPD of 52.3%

The above outliers failed either the RPD or ABS criteria. The organic data validation reports did not include the field duplicate evaluation, however, many of the field duplicate analyte outliers were already flagged as estimated "J" or were non-detects. Although the DESA or EPA validators did not evaluate the metals or the organic compounds field duplicate results, the following results should also be considered estimated values: VOC field duplicate RPD or ABS outliers in IDC-SB-08-D (cis 1,2-DCE); CC-SB-12-C and CC-SB-14C (toluene); RMSB-12-C and RMSB-23-D (PCE); and RMSB-18-C (1,1-DCE, trans 1,2-DCE, carbon disulfide, 1,1-DCA, TCE, toluene, o-xylene and m/p-xylene).

For the field screening ferrous iron results, three duplicate analyses were performed. The field duplicate results (RPD of 50 percent and ABS less than or equal to five times the QL (0.03 milligram (mg)/L) were within the QAPP criteria.

The field duplicate results indicate that field precision criteria were generally met. Of the results pairs evaluated, the outliers were: 15 out of 416 soil VOC results; two out of 216 groundwater VOC results; two out of 92 groundwater metals results; and one out of the 68 groundwater wet chemistry result pairs. These outliers represent approximately three percent of the field duplicate data. For 97 percent of the data, there is no adverse impact to the usability for the intended purposes. The three percent failing the field duplicate criteria should be used cautiously.

6.3 Blank Contamination

Tables 5a and 5b show the contaminants detected in the field rinsate blanks (field blanks) and trip blanks. Field blanks are used to evaluate the presence of contaminants on sampling equipment following decontamination and the potential for cross contamination during sample collection. Trip blanks are used to detect cross-contamination of VOCs during shipment. Laboratory method and storage blanks are analyzed to indicate possible contamination introduced by sample handling, preparation, and/or analysis at the laboratory.

Similar concentrations of methylene chloride, toluene and xylenes were detected in the trip and field blanks discussed below. As noted previously, only one field rinsate blank was collected with the soil samples but field rinsate blanks and trip blanks were collected with the groundwater samples (July 2010 event); no other water blanks were collected.

Field Blanks

Chloromethane (0.11µg/L), acetone (1.8 – 3.7 µg/L), carbon disulfide (0.094 µg/L), methylene chloride (0.31 µg/L), trans-1,2-dichloroethene (0.15 µg/L), chloroform (0.071 – 0.074 µg/L), benzene (0.21 - 0.23 µg/L), cyclohexane (0.11 µg/L), toluene (0.19 – 0.25 µg/L), ethylbenzene (0.075 – 0.18 µg/L), and xylenes (0.046 - 0.3 µg/L) were detected below their CRQLs in the field blanks associated with the groundwater samples (Table 5a). Four of these VOCs (methylene chloride, chloroform, toluene, and m/p-xylenes) were also detected up to nine times above the respective CRQLs.

Although the field blanks associated with soil samples are not discussed in the data validation reports, samples were qualified by the EPA data validators for levels of contaminants in the method and storage blanks that are similar to the analyte levels found in the soil field blanks. Positive groundwater sample results in case 40369 were qualified "U" when field blanks had detections within the appropriate action levels. In addition, the field blank data show no significant contamination issues.

No inorganic contamination was detected in the field blanks associated with the groundwater samples (Table 5c).

Trip Blanks
Methylene chloride and toluene were detected in all the trip blanks. Other VOCs were detected in one to four trip blanks below and up to ten times the CRQL of 0.5 micrograms per liter (µg/L).

Chloromethane (0.074 – 0.13 µg/L), 1,1-dichloroethene (0.092 µg/L), 1,1,2-trichloro-1,2,2-trifluoroethane (0.17 µg/L), acetone (1.5 – 3 µg/L), methylene chloride (3 – 5.6 µg/L), trans-1,2-dichloroethene (0.11 µg/L), 1,1-dichloroethane (0.068 µg/L), cis-1,2-dichloroethene (0.064 µg/L), chloroform (0.097 – 0.19 µg/L), benzene (0.15 - 0.25 µg/L), trichloroethene (0.067 µg/L), toluene (0.2 – 1.4 µg/L), ethylbenzene (0.17 µg/L), xylenes (0.24 - 0.79 µg/L) and PCE (0.074 µg/L), were detected below their CRQLs in the trip blanks associated with the groundwater samples (Table 5b). Three of these VOCs (methylene chloride, toluene, and m/p-xylenes) were also detected up to ten times above the respective CRQLs.

The data validator qualified the associated data "U" as required by the validation guidance.

Laboratory Blanks
VOCs methylene chloride, toluene, acetone and tetrachloroethene were detected in the storage and or method blanks requiring qualification as non-detect "U" in the associated samples when results fall below the blank criteria for that compound. Several sample results were qualified as non-detect "U" due to these blank detections.

6.4 Representativeness and Comparability
Representativeness and comparability are achieved by using EPA approved sampling procedures and analytical methodologies. By following approved Final QAPP procedures for sample collection, sampling events should yield results representative of environmental conditions at the time of sampling. Similarly, reasonable comparability of analytical results for this and future sampling events can be achieved if the approved EPA analytical methods and standardized reporting units are employed.

6.4.1 Representativeness
Representativeness is a qualitative term that expresses the degree to which the sample data accurately and precisely represent the environmental conditions corresponding to the location and depth interval of sample collection. The sampling scheme, requirements and procedures for sampling were designed to maximize sample representativeness. Representativeness also can be monitored by reviewing field documentation and by performing field audits. Appropriate laboratory QA/QC requirements were described in the Final QAPP and QAPP Addendumand laboratory statements of work (SOWs) to ensure that the laboratory analytical results were representative of true field conditions.

Sample representativeness was achieved by CDM through the use of EPA analytical methods, decontaminated sampling equipment, the use of inert materials to collect samples, clean sample gloves, and standard sampling procedures for EPA Region 2. Samples were kept at 4°C and received intact at the laboratories with the exceptions noted in the data validation reports. The generally low concentrations of blank contaminants as discussed above are an indication that sample results are representative of the site conditions.

6.4.2 Comparability

Comparability is a qualitative term that expresses the confidence with which a data set can be compared with another. Strict adherence to standard sample collection procedures, analytical detection limits, and analytical methods assures that data from like samples and sample conditions are comparable. This comparability is independent of laboratory personnel, data reviewers, or sampling personnel. Comparability criteria are met for the project if, based on data review, the sample collection and analytical procedures are determined to have been followed or that variations in procedures did not affect the values reported.

To ensure comparability of data generated for the site, standard sample collection procedures and EPA-approved analytical methods were utilized by CDM. The sample analyses were performed by EPA, DESA, and the subcontract laboratories using defined, standard methods. Utilizing such procedures and methods enables the current data to be comparable with the previous data sets generated with similar methods. All aqueous samples were reported in µg/L or mg/L, and soil samples were reported in µg/kilogram (kg) or mg/kg.

Detection limits were low enough to compare the data with applicable criteria except for the compounds listed on Table 6. The compounds listed in this table were identified in the July 2007 Final QAPP as requiring lower quantitation levels to achieve the project action limits (PALs) listed on QAPP worksheet #15. The PALs and PQLGs listed in the QAPP were for the purpose of ensuring that contaminants of interest meet the lowest available method reporting limits. Efforts to achieve lower limits for these compounds were pursued; a modified analysis was obtained from EPA for the soil organics 1,3-dichloropropene and PCE, and the ICP-MS technique was requested to achieve the groundwater metal PALs antimony, arsenic, beryllium, cadmium, selenium and thallium.

For the soil samples, although the method CRQLs provide adequate limits, some sample reporting limits (SRL) for 1,2-dichloropropane, vinyl chloride and benzene were above the CRQLs. However, the SRLs were below the PALs, so the data are fully usable.

The groundwater SRLs exceeded the method CRQLs and PQLGs for arsenic, beryllium, cadmium and selenium. However, the SRLs were still below the PALs, so this data is fully usable.

All non-detected reporting limits for the compounds mentioned above are fully usable since they are below the PALs. All other detection limits were at or below the PQLG to allow characterization of contamination at the site and to determine if compounds exceed the screening criteria. The data user is cautioned to re-evaluate the sample reporting limits against the final approved remedial RI criteria, risk assessment criteria, and any other criteria established for use of the data.

6.5 Data Completeness

Completeness of the field program is defined as the percentage of samples planned for collection as listed in the Final QAPP versus the actual samples collected during the field program (See equation A).

Completeness for acceptable data is defined as the percentage of acceptable data obtained judged to be valid versus the total quantity of data generated (See equation B). Acceptable data includes both data that passes all the QC criteria (unqualified data) and data that may not pass all the QC criteria but had appropriate corrective actions taken (qualified but usable data).

A. $\%\ \text{Completeness} = C \times \frac{100}{n}$

where,

C= actual number of samples collected
n = total number of samples planned

B. $\%\ \text{Completeness} = V \times \frac{100}{n'}$

where,
V= number of measurements judged valid
n′ = total number of measurements made

Completeness of the data set achieved by CDM is presented in Tables 7a and 7b. The list of samples collected and parameters analyzed are shown on Table 1 of this assessment. The overall goal was to generate a complete data set for at least 90 percent of the samples planned for collection and 90 percent valid data from the samples analyzed.

The data validation narratives detail the sample analyses that failed the QC criteria cited in the validation SOPs. Results associated with QC outliers were appropriately qualified as estimated or as non-detect by data validators.

Of the VOC data collected, 2.2 percent of the soil boring VOC sample results were rejected and 1.7 percent of the overall sample results were rejected. Rejections were due to poor performance of 1,4-dioxane in the method and high percent moisture in sample RMSB-22-D resulting in rejection of the non-detects. Ninety-eight percent of the data collected was judged valid and usable. This met the objective of 90 percent usable data. However, it should be noted that the sample collected from the Ramallo area, RMSB-22-D, and the 1,4-dioxane results overall were impacted by rejections. The project team, in consultation with EPA, will determine whether this sample needs to be re-collected or if sufficient data is available to achieve the project objectives.

Although, samples IDCSB-02 and IDCSB-05 located at the International Dry Cleaner area and sample CCSB-07 located at CCLabel were not collected due to lack of recovery, approximately 99 percent of the planned samples were collected. The 90 percent objective was achieved.

7.0 Summary Assessment of Data Usability and Reconciliation with QAPP Goals

Sample results evaluated in this assessment will be used for the objectives stated in Section 2 of this report.

Most of the 1,4-dioxane results were rejected for poor response factors; and most of the results for sample RMSB-22-D (Table 7b) were rejected due to high moisture level; these results are

therefore not usable. Ninety-eight percent of the RI/FS data are suitable for their intended use as stated in the previous section. The remaining two percent should not be used for project decisions. The ninety percent completeness goal for usable data has been met. The data user should evaluate the data completeness section above to determine what data gaps exist due to rejected data or data which was unable to be collected.

Some sample reporting limits were elevated but the PALs defined in the QAPP were achieved.

DQO goals for completeness, comparability, and representativeness established during project planning were mainly achieved. Data failing QC criteria were appropriately qualified as estimated, non-detect, or rejected during data validation. All data reported herein are usable as reported with the data validation qualifiers added except for rejected data, which should not be used for project decisions.

8. Data Validation Qualifiers

The following qualifiers are used with the reported data.

Organic Qualifiers:

U	-	Compound was analyzed for but not detected. The associated numerical value is the sample quantitation.
J	-	Estimated data due to exceeded quality control criteria.
UJ	-	Estimated non-detect data due to exceeded quality control criteria.
N	-	Presumptive evidence of a compound.

Inorganic Qualifiers:

U	-	Analyte was analyzed for but not detected.
J	-	Estimated data due to exceeded quality control criteria.
K	-	The identification of the analyte is acceptable; the reported value may be biased high.
L	-	The identification of the analyte is acceptable; the reported value may be biased low.
M	-	Duplicate injection precision not met.
NJ	-	Tentatively identified compound. The reported value is an estimate.

Acronyms

ABS	absolute difference
CDM	CDM Federal Programs Corporation
CLP	Contract Laboratory Program
CRQL	contact required quantitation limit
D	laboratory duplicate
DESA	Division of Environmental Science and Assessment
DMC	deuterated monitoring compound
DQA	data quality assessment
DQI	data quality indicator
DQO	data quality objective
DUP	duplicate
DV	data validation
EPA	(United States) Environmental Protection Agency
FCR	field change request
HDPE	high density polyethylene
ICP-AES	inductively coupled plasma – atomic emission spectrometer
ICP-MS	inductively coupled plasma - mass spectrometer
ID	identification
L	liter
LCS	laboratory control sample
MDL	method detection limit
mg	milligram
µg	microgram
MS	matrix spike
NA	not applicable
NC	not calculable
NR	not reported
PAL	project action limit
PCB	polychlorinated biphenyl
PQLG	project quantitation limit goal
QA/QC	quality assurance/quality control
QAPP	quality assurance project plan
RI	remedial investigation
RPD	relative percent difference
SIM	selective ion monitoring
SOP	standard operating procedure
SOW	statement of work
SVOC	semi volatile organic compound
TAL	target analyte list
TCL	target compound list
TDS	total dissolved solids
TOC	total organic carbon
TSS	total suspended solids
VOC	volatile organic compound
%R	percent recovery

References

CDM Federal Programs Corporation (CDM). 2007. Final Quality Assurance Project Plan for the Cidra Groundwater Contamination Superfund Site, Cidra, Puerto Rico. April.

Data Validation Procedures (EPA Region 2 protocols)
Environmental Protection Agency. 2007. Region II Standard Operating Procedures (SOP) No. HW-6. Revision 34, Revision 1 - Data Validation SOP for Organic Analysis of Trace Concentration VOCs under SOW SOM01.1. August.

_____. 2007. Region II SOP No. HW-33. Data Validation SOP for Organic Analysis of Low/Medium Concentration VOCs under SOW SOM01.2. Revision 1. August.

_____. 2007. Region II SOP No. HW-35. Data Validation SOP for Organic Analysis of Low/Medium Concentration SVOCs under SOW SOM01.1. Revision 1. August.

_____. 2007. Region II SOP No. HW-36. Data Validation SOP for Organic Analysis of Low/Medium Concentration Pesticides under SOW SOM01.1. Revision 1. August.

_____. 2007. Region II SOP No. HW-37. Data Validation SOP for Organic Analysis of Low/Medium Concentration Aroclors under SOW SOM01.1. Revision 1. August.

_____. 2005. Region II Standard Operating Procedures - No. HW-2. Revision 13 - Evaluation of Inorganic Data for the Contract Laboratory Program. September.

CDM. 2001. Standard Operating Procedure USEPA Methods for General Chemistry. Document No. SOP CDM-029A, Rev 0. July.

Analytical Methodologies
EPA. 2007. Multi-media, Multi-Concentration, Organic Analytical Service for Superfund. SOM01.2. June.

EPA. 2007. Multi-media, Multi-Concentration, Inorganic Analysis Service for Superfund. Document No. ILM05.4. March.

EPA-600/4-79-020. 1983 Revision. Methods for the Chemical Analysis of Water and Wastes (EPA). March.

Standard Methods for the Examination of Water and Wastewater. 19th Edition.

Table 1
Sample Summary

[Soil Borings and Groundwater Samples]

Table 1
Sample Summary
Cidra Contaminated Groundwater Site
Cidra, Puerto Rico

Sample Name	Parent Name	Matrix	Sample Date	Alk	Cl	TDS	TSS	TKN	NH3	NO3	NO2	SO4-	S2-	pH	Soil TOC	Aq TOC	Hard-ness	Metals-AES	MEE	TVOC-SIM	Soil VOC	Aq VOC
CCSB-11-A		Soil	4/23/10																		52	
CCSB-11-B		Soil	4/23/10											1	1						52	
CCSB-11-C		Soil	4/23/10																		52	
CCSB-11-D		Soil	4/23/10											1	1						52	
CCSB-11-F		Soil	4/23/10																		52	
CCSB-11-G		Soil	4/23/10																		52	
CCSB-12-A		Soil	4/23/10																		52	
CCSB-12-B		Soil	4/23/10																		52	
CCSB-12-C		Soil	4/23/10											1	1						52	
CCSB-12-C-DUP	CCSB-012-C	Soil	4/23/10																		52	
CCSB-12-D		Soil	4/23/10																		52	
CCSB-12-E		Soil	4/23/10																		52	
CCSB-12-F		Soil	4/23/10											1	1						52	
FB-042310		FB	4/23/10																	2		51
CCSB-13-A		Soil	4/26/10																		52	
CCSB-13-B		Soil	4/26/10											1	1						52	
CCSB-13-C		Soil	4/26/10																		52	
CCSB-13-D		Soil	4/26/10																		52	
CCSB-13-E		Soil	4/26/10																		52	
CCSB-13-F		Soil	4/26/10											1	1						52	
CCSB-14-A		Soil	4/26/10																		52	
CCSB-14-B		Soil	4/26/10																		52	
CCSB-14-C		Soil	4/26/10											1	1						52	
CCSB-14-C-DUP	CCSB-014-C	Soil	4/26/10																		52	
CCSB-14-D		Soil	4/26/10																		52	
CCSB-14-E		Soil	4/26/10																		52	
CCSB-14-F		Soil	4/26/10											1	1						52	
CCSB-14-G		Soil	4/26/10																		52	
CCSB-15-A		Soil	4/27/10																		52	
CCSB-15-B		Soil	4/27/10											1	1						52	
CCSB-15-C		Soil	4/27/10																		52	
CCSB-15-D		Soil	4/27/10																		52	
CCSB-15-E		Soil	4/27/10																		52	
CCSB-15-F		Soil	4/27/10											1	1						52	
CCSB-15-G		Soil	4/27/10																		52	
CCSB-15-H		Soil	4/27/10																		52	
CCSB-16-A		Soil	4/27/10																		52	
CCSB-16-B		Soil	4/27/10											1	1						52	

Table 1
Sample Summary
Cidra Contaminated Groundwater Site
Cidra, Puerto Rico

Sample Name	Parent Name	Matrix	Sample Date	Alk	Cl	TDS	TSS	TKN	NH3	NO3	NO2	SO4-	S2-	pH	Soil TOC	Aq TOC	Hard-ness	Metals-AES	MEE	TVOC-SIM	Soil VOC	Aq VOC
CCSB-16-C		Soil	4/27/10																		52	
CCSB-16-C-DUP	CCSB-016-C	Soil	4/27/10																		52	
CCSB-16-D		Soil	4/27/10																		52	
CCSB-16-E		Soil	4/27/10																		52	
CCSB-16-F		Soil	4/27/10											1	1						52	
CCSB-16-G		Soil	4/27/10																		52	
CCSB-16-H		Soil	4/27/10																		51	
CCSB-17-A		Soil	4/28/10																		52	
CCSB-17-B		Soil	4/28/10											1	1						52	
CCSB-17-C		Soil	4/28/10																		52	
CCSB-17-D		Soil	4/28/10																		52	
CCSB-17-E		Soil	4/28/10											1	1						52	
CCSB-17-F		Soil	4/28/10																		52	
CCSB-17-G		Soil	4/28/10																		52	
CCSB-17-H		Soil	4/28/10																		52	
CCSB-18-A		Soil	4/28/10																		52	
CCSB-18-B		Soil	4/28/10											1	1						52	
CCSB-18-C		Soil	4/28/10																		52	
CCSB-18-D		Soil	4/28/10											1	1						52	
CCSB-18-D-DUP	CCSB-018D													1	1							
CCSB-18-E		Soil	4/28/10																		52	
CCSB-18-F		Soil	4/28/10																		52	
CCSB-18-G		Soil	4/28/10																		52	
CCSB-18-H		Soil	4/28/10																		52	
RMSB-11-A		Soil	4/29/10																		52	
RMSB-11-B		Soil	4/29/10																		52	
RMSB-11-C		Soil	4/29/10											1	1						52	
RMSB-11-E		Soil	4/29/10											1	1						52	
RMSB-11-F		Soil	4/29/10																		52	
RMSB-11-G		Soil	4/29/10																		52	
RMSB-11-H		Soil	4/29/10																		52	
RMSB-12-A		Soil	4/30/10																		52	
RMSB-12-B		Soil	4/30/10											1	1						52	
RMSB-12-C		Soil	4/30/10																		52	
RMSB-12-C-DUP	RMSB-012-C	Soil	4/30/10																		52	
RMSB-12-D		Soil	4/30/10																		52	
RMSB-12-E		Soil	4/30/10											1	1						52	
RMSB-12-F		Soil	4/30/10																		52	

Table 1
Sample Summary
Cidra Contaminated Groundwater Site
Cidra, Puerto Rico

Sample Name	Parent Name	Matrix	Sample Date	Alk	Cl	TDS	TSS	TKN	NH3	NO3	NO2	SO4-	S2-	pH	Soil TOC	Aq TOC	Hard-ness	Metals-AES	MEE	TVOC-SIM	Soil VOC	Aq VOC
RMSB-12-G		Soil	4/30/10																		52	
RMSB-13-A		Soil	4/30/10																		52	
RMSB-13-B		Soil	4/30/10											1	1						52	
RMSB-13-C		Soil	4/30/10																		52	
RMSB-13-D		Soil	4/30/10																		52	
RMSB-13-E		Soil	4/30/10											1	1						52	
RMSB-13-F		Soil	5/3/10																		52	
RMSB-14-A		Soil	5/6/10											1	1						52	
RMSB-14-B		Soil	5/6/10																		52	
RMSB-14-C		Soil	5/6/10																		52	
RMSB-14-C-DUP	RMSB-014-C	Soil	5/6/10																		52	
RMSB-14-D		Soil	5/6/10																		52	
RMSB-14-E		Soil	5/6/10																		52	
RMSB-14-F		Soil	5/6/10											1	1						52	
RMSB-14-G		Soil	5/6/10																		52	
RMSB-14-H		Soil	5/6/10																		52	
RMSB-15-A		Soil	5/6/10											1	1						52	
RMSB-15-B		Soil	5/6/10																		52	
RMSB-15-C		Soil	5/6/10																		52	
RMSB-15-E		Soil	5/6/10																		52	
RMSB-15-F		Soil	5/6/10																		52	
RMSB-15-G		Soil	5/6/10											1	1						52	
RMSB-15-H		Soil	5/6/10																		52	
RMSB-16-A		Soil	5/7/10																		52	
RMSB-16-B		Soil	5/7/10											1	1						52	
RMSB-16-C		Soil	5/7/10																		52	
RMSB-16-D		Soil	5/7/10																		52	
RMSB-16-E		Soil	5/7/10																		52	
RMSB-16-F		Soil	5/7/10											1	1						52	
RMSB-16-G		Soil	5/7/10																		52	
RMSB-16-H		Soil	5/7/10																		52	
RMSB-17-A		Soil	5/7/10											1	1						52	
RMSB-17-B		Soil	5/7/10																		52	
RMSB-17-C		Soil	5/7/10																		52	
RMSB-17-D		Soil	5/7/10																		52	
RMSB-17-E		Soil	5/7/10											1	1						52	
RMSB-18-A		Soil	5/10/10											1	1						52	
RMSB-18-B		Soil	5/10/10																		52	

Table 1
Sample Summary
Cidra Contaminated Groundwater Site
Cidra, Puerto Rico

Sample Name	Parent Name	Matrix	Sample Date	Alk	Cl	TDS	TSS	TKN	NH3	NO3	NO2	SO4-	S2-	pH	Soil TOC	Aq TOC	Hard-ness	Metals-AES	MEE	TVOC-SIM	Soil VOC	Aq VOC
RMSB-18-C		Soil	5/10/10																		52	
RMSB-18-C-DUP	RMSB-018-C	Soil	5/10/10																		52	
RMSB-18-D		Soil	5/10/10																		52	
RMSB-18-E		Soil	5/10/10																		52	
RMSB-18-F		Soil	5/10/10											1	1						52	
RMSB-18-G		Soil	5/10/10																		52	
RMSB-18-H		Soil	5/10/10																		52	
RMSB-19-B		Soil	5/11/10											1	1						52	
RMSB-19-C		Soil	5/11/10																		52	
RMSB-19-D		Soil	5/11/10																		52	
RMSB-19-E		Soil	5/11/10																		52	
RMSB-19-F		Soil	5/11/10																		52	
RMSB-19-G		Soil	5/11/10											1	1						52	
RMSB-20-A		Soil	5/11/10											1	1						52	
RMSB-20-B		Soil	5/11/10																		52	
RMSB-20-C		Soil	5/11/10																		52	
RMSB-20-D		Soil	5/11/10																		52	
RMSB-20-E		Soil	5/11/10																		52	
RMSB-20-F		Soil	5/11/10											1	1						52	
RMSB-13-G		Soil	5/12/10																		52	
RMSB-19-A		Soil	5/12/10																		52	
DJSB-01-A		Soil	5/13/10																		52	
DJSB-01-B		Soil	5/13/10																		52	
DJSB-01-C		Soil	5/13/10											1	1						52	
DJSB-01-C-DUP	DJSB-001-C	Soil	5/13/10																		52	
RMSB-21-A		Soil	5/13/10																		52	
RMSB-21-B		Soil	5/13/10																		52	
RMSB-21-C		Soil	5/13/10											1	1						52	
RMSB-21-D		Soil	5/13/10																		52	
RMSB-21-E		Soil	5/13/10											1	1						52	
RMSB-21-F		Soil	5/13/10																		52	
RMSB-21-G		Soil	5/13/10																		52	
RMSB-21-H		Soil	5/13/10																		52	
DJSB-02-A		Soil	5/14/10																		52	
DJSB-02-B		Soil	5/14/10																		52	
DJSB-02-C		Soil	5/14/10											1	1						52	
DJSB-02-C-DUP	DJ-SB002-C	Soil	5/14/10																		52	
DJSB-02-D		Soil	5/14/10																		52	

Table 1
Sample Summary
Cidra Contaminated Groundwater Site
Cidra, Puerto Rico

Sample Name	Parent Name	Matrix	Sample Date	Alk	Cl	TDS	TSS	TKN	NH3	NO3	NO2	SO4-	S2-	pH	Soil TOC	Aq TOC	Hard-ness	Metals-AES	MEE	TVOC-SIM	Soil VOC	Aq VOC
DJSB-02-E		Soil	5/14/10											1	1						52	
DJSB-03-A		Soil	5/14/10																		52	
DJSB-03-B		Soil	5/14/10																		52	
DJSB-03-C		Soil	5/14/10											1	1						52	
DJSB-03-D		Soil	5/17/10																		52	
DJSB-03-E		Soil	5/17/10											1	1						52	
DJSB-03-F		Soil	5/17/10																		52	
DJSB-04-A		Soil	5/18/10																		52	
DJSB-04-B		Soil	5/18/10																		52	
DJSB-04-C		Soil	5/18/10											1	1						52	
DJSB-04-D		Soil	5/18/10																		52	
DJSB-04-E		Soil	5/18/10											1	1						52	
DJSB-05-A		Soil	5/18/10																		52	
DJSB-05-B		Soil	5/18/10																		52	
DJSB-05-C		Soil	5/18/10											1	1						52	
DJSB-05-D		Soil	5/19/10																		52	
DJSB-05-E		Soil	5/19/10											1	1						52	
DJSB-05-F		Soil	5/19/10																		52	
ENSB-01-A		Soil	5/20/10																		52	
ENSB-01-B		Soil	5/20/10																		52	
ENSB-01-C		Soil	5/20/10											1	1						52	
ENSB-01-C-DUP	ENSB-001-C	Soil	5/20/10																		52	
ENSB-01-D		Soil	5/20/10																		52	
ENSB-01-E		Soil	5/24/10											1	1						52	
ENSB-02-A		Soil	5/24/10																		52	
ENSB-02-B		Soil	5/24/10																		52	
ENSB-02-C		Soil	5/24/10											1	1						52	
ENSB-02-C-DUP	ENSB-002-C	Soil	5/24/10																		52	
ENSB-02-D		Soil	5/24/10																		52	
ENSB-02-E		Soil	5/24/10																		52	
ENSB-02-F		Soil	5/24/10											1	1						52	
ENSB-02-G		Soil	5/24/10																		52	
ENSB-03-A		Soil	5/25/10																		52	
ENSB-03-B		Soil	5/25/10																		52	
ENSB-03-C		Soil	5/25/10											1	1						52	
ENSB-03-D		Soil	5/25/10																		52	
ENSB-03-E		Soil	5/25/10																		52	
ENSB-03-F		Soil	5/25/10																		52	

Table 1
Sample Summary
Cidra Contaminated Groundwater Site
Cidra, Puerto Rico

Sample Name	Parent Name	Matrix	Sample Date	Alk	Cl	TDS	TSS	TKN	NH3	NO3	NO2	SO4-	S2-	pH	Soil TOC	Aq TOC	Hard-ness	Metals-AES	MEE	TVOC-SIM	Soil VOC	Aq VOC
ENSB-03-G		Soil	5/25/10											1	1						52	
ENSB-04-A		Soil	5/25/10																		52	
ENSB-04-B		Soil	5/25/10											1	1						52	
ENSB-04-C		Soil	5/26/10																		52	
ENSB-05-A		Soil	5/26/10																		52	
ENSB-05-B		Soil	5/26/10																		52	
ENSB-05-C		Soil	5/26/10											1	1						52	
ENSB-05-C-DUP	ENSB-005-C	Soil	5/26/10											1	1							
ENSB-06-A		Soil	5/27/10											1	1						52	
ENSB-06-B		Soil	5/27/10																		52	
ESSB-15-A		Soil	5/27/10																		52	
ESSB-15-B		Soil	5/27/10																		52	
ESSB-15-C		Soil	5/27/10											1	1						52	
ESSB-15-C-DUP	ESSB-015-C	Soil	5/27/10																		52	
ESSB-15-D		Soil	5/27/10																		52	
ESSB-15-F		Soil	5/27/10											1	1						52	
ESSB-15-F-DUP	ESSB-015-F	Soil	5/27/10											1	1							
ESSB-15-G		Soil	5/27/10																		52	
ENSB-07-A		Soil	5/28/10																		52	
ENSB-07-B		Soil	5/28/10																		52	
ENSB-07-C		Soil	5/28/10											1	1						52	
ENSB-07-C-DUP	ENSB-007-C	Soil	5/28/10																		52	
ESSB-16-C		Soil	5/28/10											1	1						52	
ESSB-16-D		Soil	5/28/10																		52	
ESSB-16-E		Soil	5/28/10																		52	
ESSB-16-F		Soil	5/28/10											1	1						52	
ESSB-16-G		Soil	5/28/10																		52	
ENSB-07-D		Soil	6/1/10																		52	
ENSB-07-E		Soil	6/1/10																		52	
ENSB-07-F		Soil	6/1/10											1	1						52	
ENSB-07-G		Soil	6/1/10																		52	
ENSB-07-H		Soil	6/1/10																		52	
RMSB-22-A		Soil	6/2/10																		52	
RMSB-22-B		Soil	6/2/10																		52	
RMSB-22-C		Soil	6/2/10											1	1						52	
RMSB-22-D		Soil	6/2/10																		52	
RMSB-22-E		Soil	6/2/10																		52	
RMSB-22-F		Soil	6/2/10											1	1						52	

Table 1
Sample Summary
Cidra Contaminated Groundwater Site
Cidra, Puerto Rico

Sample Name	Parent Name	Matrix	Sample Date	Alk	Cl	TDS	TSS	TKN	NH3	NO3	NO2	SO4-	S2-	pH	Soil TOC	Aq TOC	Hard-ness	Metals-AES	MEE	TVOC-SIM	Soil VOC	Aq VOC
RMSB-22-G		Soil	6/2/10																		52	
RMSB-23-A		Soil	6/2/10																		52	
RMSB-23-B		Soil	6/2/10																		52	
RMSB-23-C		Soil	6/2/10											1	1						52	
RMSB-23-D		Soil	6/2/10											1	1						52	
RMSB-23-D-DUP	RMSB-023-D	Soil	6/2/10																		52	
IDCSB-05-A		Soil	6/3/10																		52	
IDCSB-05-B		Soil	6/3/10																		52	
IDCSB-05-C		Soil	6/3/10											1	1						52	
IDCSB-05-C-DUP	IDCSB005-C	Soil	6/3/10																		52	
IDCSB-05-D		Soil	6/3/10																		52	
IDCSB-05-E		Soil	6/3/10											1	1						52	
IDCSB-05-F		Soil	6/3/10																		52	
IDCSB-05-G		Soil	6/3/10																		52	
IDCSB-06-A		Soil	6/3/10																		52	
IDCSB-06-B		Soil	6/3/10																		52	
IDCSB-06-C		Soil	6/3/10											1	1						52	
IDCSB-06-D		Soil	6/4/10																		52	
IDCSB-06-E		Soil	6/4/10																		52	
IDCSB-06-F		Soil	6/4/10											1	1						52	
IDCSB-06-G		Soil	6/4/10																		52	
IDCSB-07-A		Soil	6/4/10																		52	
IDCSB-07-B		Soil	6/4/10																		52	
IDCSB-07-C		Soil	6/4/10											1	1						52	
IDCSB-07-C-DUP	IDC-SB007-C	Soil	6/4/10																		52	
IDCSB-07-D		Soil	6/4/10																		52	
IDCSB-07-E		Soil	6/4/10																		52	
IDCSB-07-F		Soil	6/4/10											1	1						52	
IDCSB-08-A		Soil	6/7/10																		52	
IDCSB-08-B		Soil	6/7/10																		52	
IDCSB-08-C		Soil	6/7/10											1	1						52	
IDCSB-08-D		Soil	6/7/10											1	1						52	
IDCSB-08-D-DUP	IDCSB008-D	Soil	6/7/10											1	1						52	
IDCSB-08-E		Soil	6/7/10																		52	
IDCSB-08-F		Soil	6/7/10																		52	
IDCSB-08-G		Soil	6/7/10																		52	
IDCSB-09-A		Soil	6/7/10																		52	
IDCSB-09-B		Soil	6/7/10																		52	

Table 1
Sample Summary
Cidra Contaminated Groundwater Site
Cidra, Puerto Rico

Sample Name	Parent Name	Matrix	Sample Date	Alk	Cl	TDS	TSS	TKN	NH3	NO3	NO2	SO4-	S2-	pH	Soil TOC	Aq TOC	Hard-ness	Metals-AES	MEE	TVOC-SIM	Soil VOC	Aq VOC
IDCSB-09-C		Soil	6/7/10											1	1						52	
IDCSB-09-D		Soil	6/8/10																		52	
IDCSB-09-E		Soil	6/8/10											1	1						52	
IDCSB-09-F		Soil	6/8/10																		52	
IDCSB-10-A		Soil	6/8/10																		52	
IDCSB-10-B		Soil	6/8/10																		52	
IDCSB-10-C		Soil	6/8/10											1	1						52	
IDCSB-11-A		Soil	6/8/10																		52	
IDCSB-11-B		Soil	6/8/10																		52	
IDCSB-11-C		Soil	6/8/10											1	1						52	
IDCSB-12-A		Soil	6/8/10																		52	
IDCSB-12-B		Soil	6/8/10																		52	
IDCSB-13-A		Soil	6/8/10																		52	
IDCSB-13-B		Soil	6/8/10																		52	
IDCSB-13-C		Soil	6/8/10											1	1						52	
IDCSB-14-A		Soil	6/8/10																		52	
IDCSB-14-B		Soil	6/8/10											1	1						52	
MPW-1-P1-S2		GW	7/20/10	1	1	1	1	1	1	1	1	2	1			1	1	23	3			51
MPW-1-P2-S2		GW	7/20/10														1	23		2		51
MPW-1-P3-S2		GW	7/20/10	1	1	1	1	1	1	1	1	2	1			1	1	23	3	2		51
MPW-1-P4-S2		GW	7/20/10														1	23		2		51
MPW-1-P5-S2		GW	7/20/10														1	23		2		51
MPW-1-P6-S2		GW	7/20/10	1	1	1	1	1	1	1	1	2	1			1	1	23	3	2		51
TB-01-072010		TB	7/20/10																	2		51
MPW-5-P1-S2		GW	7/21/10	1	1	1	1	1	1	1	1	2	1			1	1	23	3	2		51
MPW-5-P2-S2		GW	7/21/10														1	23		2		51
MPW-5-P3-S2		GW	7/21/10														1	23		2		51
MPW-5-P4-S2		GW	7/21/10	1	1	1	1	1	1	1	1	2	1			1	1	23	3	2		51
MPW-5-P5-S2		GW	7/21/10														1	23				51
MPW-5-P6-S2		GW	7/21/10	1	1	1	1	1	1	1	1	2	1			1	1	23	3	2		51
MPW-5-P7-S2		GW	7/21/10	1	1	1	1	1	1	1	1	2	1			1	1	23	3	2		51
MPW-5-P7-S2-DUP	MPW-5-P7-S2	GW	7/21/10	1	1	1	1	1	1	1	1	2	1			1	1	23	3	2		51
TB-02-072110		TB	7/21/10																	2		51
MPW-2-P1-S2		GW	7/22/10	1	1	1	1	1	1	1	1	2	1			1	1	23	3	2		51
MPW-2-P2-S2		GW	7/22/10														1	23		2		51
MPW-2-P3-S2		GW	7/22/10														1	23		2		51
MPW-2-P4-S2		GW	7/22/10	1	1	1	1	1	1	1	1	2	1			1	1	23	3			51
MPW-3-P1-S2		GW	7/22/10	1	1	1	1	1	1	1	1	2	1			1	1	23	3	2		51

Table 1
Sample Summary
Cidra Contaminated Groundwater Site
Cidra, Puerto Rico

Sample Name	Parent Name	Matrix	Sample Date	Alk	Cl	TDS	TSS	TKN	NH3	NO3	NO2	SO4-	S2-	pH	Soil TOC	Aq TOC	Hard-ness	Metals-AES	MEE	TVOC-SIM	Soil VOC	Aq VOC
MPW-3-P2-S2		GW	7/22/10														1	23		2		51
MPW-3-P3-S2		GW	7/22/10	1	1	1	1	1	1	1	1	2	1			1	1	23	3	2		51
MPW-3-P4-S2		GW	7/22/10														1	23		2		51
MPW-3-P5-S2		GW	7/22/10	1	1	1	1	1	1	1	1	2	1			1	1	23	3	2		51
TB-03-072210		TB	7/22/10																	2		51
IVAX-2-S2		GW	7/23/10														1	23		2		51
IVAX-2-S2-DUP	IVAX-02-S2	GW	7/23/10														1	23		2		51
MPW-4-P1-S2		GW	7/23/10	1	1	1	1	1	1	1	1	2	1			1	1	23	3	2		51
MPW-4-P2-S2		GW	7/23/10														1	23		2		51
MPW-4-P3-S2		GW	7/23/10														1	23		2		51
MPW-4-P4-S2		GW	7/23/10	1	1	1	1	1	1	1	1	2	1			1	1	23	3			51
TB-04-072310		TB	7/23/10																	2		51
FB-01-072610		FB	7/26/10														1	23	3	2		51
SMW-1-S2		GW	7/26/10	1	1	1	1	1	1	1	1	2	1			1	1	23	3	2		51
SMW-1-S2-DUP	SMW-01-S2	GW	7/26/10	1	1	1	1	1	1	1	1	2	1			1	1	23	3	2		51
SMW-2-S2		GW	7/26/10	1	1	1	1	1	1	1	1	2	1			1	1	23	3	2		51
SMW-3-S2		GW	7/26/10	1	1	1	1	1	1	1	1	2	1			1	1	23	3	2		51
SMW-5-S2		GW	7/26/10	1	1	1	1	1	1	1	1	2	1			1	1	23	3	2		51
TB-05-072610		TB	7/26/10																	2		51
CIDRA-3-S2		GW	7/27/10														1	23		2		51
CIDRA-4-S2		GW	7/27/10														1	23		2		51
FB-02-072710		FB	7/27/10														1	23	3	2		51
SMW-9-S2		GW	7/27/10	1	1	1	1	1	1	1	1	2	1			1	1	23	3	2		51
TB-06-072710		TB	7/27/10																3	2		51
CIDRA-6-S2		GW	7/28/10														1	23		2		51
CIDRA-8-S2		GW	7/28/10														1	23		2		51
FB-03-072810		FB	7/28/10														1	23	3	2		51
IVAX-Abandon-S2		GW	7/28/10														1	23		2		51
SMW-12-S2		GW	7/28/10	1	1	1	1	1	1	1	1	2	1			1	1	23	3	2		51
TB-07-072810		TB	7/28/10																3	2		51
FB-04-072910		FB	7/29/10														1	23	3	2		51
SMW-10-S2		GW	7/29/10	1	1	1	1	1	1	1	1	2	1			1	1	23	3	2		51
SMW-10-S2-DUP	SMW-010-S2	GW	7/29/10	1	1	1	1	1	1	1	1	2	1			1	1	23	3	2		51
TB-08-072910		TB	7/29/10																3	2		51

Table 1
Sample Summary
Cidra Contaminated Groundwater Site
Cidra, Puerto Rico

Sample Name	Parent Name	Matrix	Sample Date	Alk	Cl	TDS	TSS	TKN	NH3	NO3	NO2	SO4-	S2-	pH	Soil TOC	Aq TOC	Hard-ness	Metals-AES	MEE	TVOC-SIM	Soil VOC	Aq VOC
FB-05-073010		FB	7/30/10														1	23	3	2		51
MPW-6-P5-S2		GW	7/30/10	1	1	1	1	1	1	1	1	2	1			1	1	23	3	2		51
TB-09-073010		TB	7/30/10																3	2		51
			Total reported results	25	25	25	25	25	25	25	25	50	25	84	84	25	49	1127	102	110	14507	3009
			No. of Samples	25	25	25	25	25	25	25	25	25	25	84	84	25	49	49	34	55	278.98	59

Notes:

Numbers in the grid represent the number of compounds in each analytical group.

Parameter	Code	Method
Alkalinity	Alk	MCAWW310-1
Chloride	Cl	MCAWW325-3
Total dissolved solids	TDS	MCAWW160-1
Total suspended solids	TSS	MCAWW160-2
Total Kjeldahl Nitrogen	TKN	MCAWW351-
Ammonia	NH3	MCAWW350-1
Nitrate	NO3	MCAWW353-1
Nitrite	NO2	MCAWW353-2
Sulfate	SO4-	MCAWW376-
Sulfide	S2-	MCAWW375-
pH	pH	SW9045C
Total Organic Carbon	Soil TOC	Lloyd Kahn
Aqueous Total Organic Carbon	Aq TOC	SW 9060
Hardness	Hardness	SM2340B
Metals	Metals-AES	ILM05.4
Methane, ethane, ethene	MEE	RSK 147
Volatile organic compound	VOC	SOM01.2

Other Abbreviations:

AES = atomic emmission spectrophotometry
Aq = aqueous
FB = Field blanks
GW = aqueous groundwater
SIM = selective ion monitoring
TB = Trip blanks
CIDRA – Cidra Supply Well
IVAX - IVAX Well
MPW – Multiport Well
SMW – Saprolite Monitoring Well
CCSB – CCL Label Soil Boring
DJSB – DJ Manufacturing Soil Boring
ENSB – ENCO Soil Boring
ESSB – Esso Soil Boring
IDCSB – International Dry Cleaners Soil Boring
RMSB – Ramallo Soil Boring

Table 2
Laboratory and Methods Used and Summary of QC Samples

Table 2
Laboratories and Methods Used and Summary of QC Samples
Cidra Contaminated Groundwater Site
Cidra, Puerto Rico

Sampling Event	Case No.	Analysis	Designated Laboratory	# Samples	Matrix	Field Blank	Trip Blank	Field Duplicates	Total	Methods
4/23/10-5/28/10	40039	VOCs, TCL	CLP - Liberty	169	SOIL	1	0	9	179	SOM01.2; MA 1919.1
		Grain Size, TOC	Subcontract: Compuchem	80	SOIL	0	0	4	84	EPA 9045; Lloyd Kahn
		pH		80	SOIL	0	0	6	86	EPA 9045
6/1/10-6/8/10	40222	VOCs, TCL	CLP - Liberty	62	SOIL	0	0	4	66	SOM01.2; MA 1919.1
7/19/10-7/28/10	NA	Metals, TAL (ICP-AES)	DESA	40	GW	5	0	4	49	ILM05.4
	NA	Alkalinity, ammonia, chloride, hardness, NO3, NO2, TOC, TDS, TSS, SO4, S^{2-}	DESA	22	GW	5 (hardness only)	0	3	25 30 (for hardness)	various as per QAPP
	NA	MEE	DESA	22	GW	5	4	3	34	RSK 147
7/21/10-7/30/10	40369	TVOC + TVSIM	CLP - Shealy	31	GW	5	9	4	49	SOM01.2

Acronyms:

AES - atomic emission spectrometry
DESA - Division of Environmental Science and Assessment
ICP - inductively coupled plasma
MEE - methane, ethane, ethene
NA - not applicable
NO2 - nitrite
NO3 - nitrate
$S2^-$ - sulfide
gw - groundwater
CLP - Contract Laboratory Program
SO4 - sulfate
TAL - target analyte list
TCL - Target compound list
TDS - total dissolved solids
TOC - total organic carbon
TSS - total suspended solids
TVOC - trace volatile organic compound
TVSIM-trace VOC Selected ion monitoring
VOC - volatile organic compound

Table 3
DQI Inputs

Table 3
DQIs and Corresponding QC Parameters
Cidra Contaminated Groundwater Site
Cidra, Puerto Rico

Data Quality Indicators	QC Parameters Evaluated in Data Review/ Validation
Precision	Relative Percent Difference (RPD) values of: 1) Laboratory Control Sample (LCS)/LCS duplicate 2) Matrix Spike/Laboratory Duplicate (MS/D) 3) Field duplicates
Accuracy/Bias	Percent Recovery (%R) or Percent Difference (%D) values of: 1) Initial calibration and continuing calibration verification 2) LCS 3) MS 4) Surrogate spikes 5) Serial dilution (Inductively Coupled Plasma [ICP] metals) 6) ICP inter-element interference check samples 7) Internal standards (%R and retention times) Relative Standard Deviation (RSD) values of: 1) Initial calibration verifications Results of: 1) Instrument and calibration blanks 2) Method (preparation) blanks 3) Trip blanks 4) Equipment rinsate blanks
Representativeness	Results of all blanks Sample integrity (Chain-of Custody and sample receipt forms) Holding times Compound identification (retention times, mass spectra, column confirmation) Results compared to calibration range
Comparability	Sample-specific method reporting limits Sample collection methods Laboratory analytical methods
Completeness	Data qualifiers Laboratory deliverables Requested/reported valid results Field sample collection (primary and QC samples) Contract compliance (i.e., method and instrument QC within limits)
Sensitivity	Method Reporting Limits Sample extract cleanup Adequacy of sample dilution

R2-0007989

Table 4
Field Duplicates

Table 4a - Soil VOC - Field Duplicate Results

Table 4b - Aqueous VOCs - Field Duplicate Results

Table 4c - Aqueous Metals - Field Duplicate Results

Table 4d - Wet Chemistry (Aqueous and Soil) - Field Duplicate Results

Table 4a
Soil VOC Field Duplicate Results
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Sample Code		IDCSB-05-C		IDCSB-05-C-DUP		RPD	ABS	IDCSB-07-C		IDCSB-07-C-DUP		RPD	ABS
Sample Name				IDCSB005-C						IDC-SB007-C			
Sample Date	5X	6/3/2010		6/3/2010				6/4/2010		6/4/2010			
Unit \\ Depth	CRQL	8 to 12 ft		8 to 12 ft		< 100	< 5*CRQL	8 to 12 ft		8 to 12 ft		< 100	< 5*CRQL
Volatile Organic Compounds													
Dichlorodifluoromethane	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
Chloromethane	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
Vinyl Chloride	25	100		60		50.00	NA	120		64		60.87	NA
Bromomethane	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
Chloroethane	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
Trichlorofluoromethane	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
1,1-Dichloroethene	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
Acetone	50	14	U	14	U	NC	NA	6.2	J	5.3	J	15.65	NA
Carbon Disulfide	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
Methyl Acetate	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
Methylene Chloride	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
trans-1,2-Dichloroethene	25	32		19		50.98	NA	3.1	J	7.1	U	NC	4
Methyl tert-Butyl Ether	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
1,1-Dichloroethane	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
cis-1,2-Dichloroethene	25	750		960		24.56	NA	430	J	270		45.71	NA
2-Butanone	50	14	U	14	U	NC	NA	13	U	14	U	NC	NA
Chlorobromomethane	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
Chloroform	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
1,1,1-Trichloroethane	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
Cyclohexane	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
Carbon Tetrachloride	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
Benzene	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
1,2-Dichloroethane	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
1,4-Dioxane	500	140	R	140	R	NC	NA	130	R	140	R	NC	NA
Trichloroethene	25	210	J	270	J	25.00	NA	56		38		38.30	NA
Methylcyclohexane	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
1,2-Dichloropropane	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
Bromodichloromethane	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
cis-1,3-Dichloropropene	25	2.8	U	2.7	U	NC	NA	2.7	U	2.9	U	NC	NA
4-Methyl-2-pentanone	50	14	U	14	U	NC	NA	13	U	14	U	NC	NA
Toluene	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
trans-1,3-Dichloropropene	25	2.8	U	2.7	U	NC	NA	2.7	U	2.9	U	NC	NA
1,1,2-Trichloroethane	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
Tetrachloroethene	25	1600		1900		17.14	NA	110		83		27.98	NA
2-Hexanone	50	14	U	14	U	NC	NA	13	U	14	U	NC	NA
Dibromochloromethane	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
1,2-Dibromoethane	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
Chlorobenzene	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
Ethylbenzene	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
o-Xylene	25	0.82	J	0.55	J	39.42	0.27	6.7	U	7.1	U	NC	NA
m,p-Xylene	25	0.82	J	0.68	J	18.67	0.14	6.7	U	7.1	U	NC	NA
Styrene	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
Bromoform	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
Isopropylbenzene	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
1,1,2,2-Tetrachloroethane	25	2.8	U	2.7	U	NC	NA	2.7	U	2.9	U	NC	NA
1,3-Dichlorobenzene	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
1,4-Dichlorobenzene	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
1,2-Dichlorobenzene	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
1,2-Dibromo-3-chloropropane	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
1,2,4-Trichlorobenzene	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA
1,2,3-Trichlorobenzene	25	6.9	U	6.8	U	NC	NA	6.7	U	7.1	U	NC	NA

Table 4a
Soil VOC Field Duplicate Results
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Sample Code	IDCSB-08-D		IDCSB-08-D-DUP		RPD	ABS	DJSB-01-C		DJSB-01-C-DUP		RPD	ABS
Sample Name			IDC-SB008-D						DJSB-001-C			
Sample Date	6/7/2010		6/7/2010				5/13/2010		5/13/2010			
Unit \\ Depth	20 to 24 ft		20 to 24 ft		< 100	< 5*CRQL	8 to 12 ft		8 to 12 ft		< 100	< 5*CRQL
Volatile Organic Compounds												
Dichlorodifluoromethane	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
Chloromethane	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
Vinyl Chloride	6.1	U	8.6		NC	**2.5**	5.3	U	5.4	U	NC	NA
Bromomethane	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
Chloroethane	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
Trichlorofluoromethane	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
1,1-Dichloroethene	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
Acetone	12	U	12	U	NC	NA	11	U	11	U	NC	NA
Carbon Disulfide	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
Methyl Acetate	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
Methylene Chloride	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
trans-1,2-Dichloroethene	14		4.1	J	**109.39**	9.9	5.3	U	5.4	U	NC	NA
Methyl tert-Butyl Ether	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
1,1-Dichloroethane	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
cis-1,2-Dichloroethene	540		160	J	108.57	380	5.3	U	5.4	U	NC	NA
2-Butanone	12	U	12	U	NC	NA	11	U	11	U	NC	NA
Chlorobromomethane	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
Chloroform	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
1,1,1-Trichloroethane	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
Cyclohexane	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
Carbon Tetrachloride	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
Benzene	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
1,2-Dichloroethane	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
1,4-Dioxane	120	R	120	R	NC	NA	110	R	110	R	NC	NA
Trichloroethene	310	J	260	J	17.54	NA	5.3	U	5.4	U	NC	NA
Methylcyclohexane	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
1,2-Dichloropropane	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
Bromodichloromethane	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
cis-1,3-Dichloropropene	2.4	U	2.4	U	NC	NA	2.1	U	2.1	U	NC	NA
4-Methyl-2-pentanone	12	U	12	U	NC	NA	11	U	11	U	NC	NA
Toluene	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
trans-1,3-Dichloropropene	2.4	U	2.4	U	NC	NA	2.1	U	2.1	U	NC	NA
1,1,2-Trichloroethane	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
Tetrachloroethene	2700		3500		25.81	NA	5.3	U	5.4	U	NC	NA
2-Hexanone	12	U	12	U	NC	NA	11	U	11	U	NC	NA
Dibromochloromethane	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
1,2-Dibromoethane	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
Chlorobenzene	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
Ethylbenzene	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
o-Xylene	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
m,p-Xylene	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
Styrene	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
Bromoform	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
Isopropylbenzene	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
1,1,2,2-Tetrachloroethane	2.4	U	2.4	U	NC	NA	2.1	U	2.1	U	NC	NA
1,3-Dichlorobenzene	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
1,4-Dichlorobenzene	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
1,2-Dichlorobenzene	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
1,2-Dibromo-3-chloropropane	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
1,2,4-Trichlorobenzene	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA
1,2,3-Trichlorobenzene	6.1	U	6	U	NC	NA	5.3	U	5.4	U	NC	NA

Table 4a
Soil VOC Field Duplicate Results
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Sample Code	DJSB-02-C		DJSB-02-C-DUP		RPD	ABS	ESSB-15-C		ESSB-15-C-DUP		RPD	ABS
Sample Name			DJ-SB002-C						ESSB-015-C			
Sample Date	5/14/2010		5/14/2010				5/27/2010		5/27/2010			
Unit \\ Depth	8 to 12 ft		8 to 12 ft		< 100	< 5*CRQL	8 to 12 ft		8 to 12 ft		< 100	< 5*CRQL
Volatile Organic Compounds												
Dichlorodifluoromethane	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
Chloromethane	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
Vinyl Chloride	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
Bromomethane	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
Chloroethane	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
Trichlorofluoromethane	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
1,1-Dichloroethene	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
Acetone	14	U	6.8	J	NC	7.2	45		53		16.33	NA
Carbon Disulfide	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
Methyl Acetate	6.9	U	6.2	U	NC	NA	11	U	1	J	NC	10
Methylene Chloride	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
trans-1,2-Dichloroethene	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
Methyl tert-Butyl Ether	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
1,1-Dichloroethane	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
cis-1,2-Dichloroethene	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
2-Butanone	14	U	12	U	NC	NA	5.5	J	14	U	NC	8.5
Chlorobromomethane	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
Chloroform	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
1,1,1-Trichloroethane	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
Cyclohexane	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
Carbon Tetrachloride	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
Benzene	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
1,2-Dichloroethane	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
1,4-Dioxane	140	R	120	R	NC	NA	220	R	140	R	NC	NA
Trichloroethene	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
Methylcyclohexane	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
1,2-Dichloropropane	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
Bromodichloromethane	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
cis-1,3-Dichloropropene	2.8	U	2.5	U	NC	NA	4.5	U	2.9	U	NC	NA
4-Methyl-2-pentanone	14	U	12	U	NC	NA	22	U	14	U	NC	NA
Toluene	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
trans-1,3-Dichloropropene	2.8	U	2.5	U	NC	NA	4.5	U	2.9	U	NC	NA
1,1,2-Trichloroethane	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
Tetrachloroethene	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
2-Hexanone	14	U	12	U	NC	NA	22	U	14	U	NC	NA
Dibromochloromethane	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
1,2-Dibromoethane	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
Chlorobenzene	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
Ethylbenzene	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
o-Xylene	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
m,p-Xylene	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
Styrene	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
Bromoform	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
Isopropylbenzene	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
1,1,2,2-Tetrachloroethane	2.8	U	2.5	U	NC	NA	4.5	U	2.9	U	NC	NA
1,3-Dichlorobenzene	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
1,4-Dichlorobenzene	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
1,2-Dichlorobenzene	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
1,2-Dibromo-3-chloropropane	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
1,2,4-Trichlorobenzene	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA
1,2,3-Trichlorobenzene	6.9	U	6.2	U	NC	NA	11	U	7.2	U	NC	NA

Table 4a
Soil VOC Field Duplicate Results
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Sample Code	CCSB-12-C		CCSB-12-C-DUP		RPD	ABS	CCSB-14-C		CCSB-14-C-DUP		RPD	ABS
Sample Name			CCSB-012-C						CCSB-014-C			
Sample Date	4/23/2010		4/23/2010				4/26/2010		4/26/2010			
Unit \\ Depth	8 to 12 ft		8 to 12 ft		< 100	< 5*CRQL	8 to 12 ft		8 to 12 ft		< 100	< 5*CRQL
Volatile Organic Compounds												
Dichlorodifluoromethane	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
Chloromethane	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
Vinyl Chloride	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
Bromomethane	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
Chloroethane	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
Trichlorofluoromethane	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
1,1-Dichloroethene	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
Acetone	3.8	J	14		NA	10.2	7.7	J	14	U	NC	6.3
Carbon Disulfide	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
Methyl Acetate	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
Methylene Chloride	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
trans-1,2-Dichloroethene	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
Methyl tert-Butyl Ether	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
1,1-Dichloroethane	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
cis-1,2-Dichloroethene	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
2-Butanone	10	U	12	U	NC	NA	14	U	14	U	NC	NA
Chlorobromomethane	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
Chloroform	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
1,1,1-Trichloroethane	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
Cyclohexane	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
Carbon Tetrachloride	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
Benzene	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
1,2-Dichloroethane	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
1,4-Dioxane	100	R	120	R	NC	NA	140	R	140	R	NC	NA
Trichloroethene	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
Methylcyclohexane	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
1,2-Dichloropropane	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
Bromodichloromethane	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
cis-1,3-Dichloropropene	2.1	U	2.3	U	NC	NA	2.7	U	2.9	U	NC	NA
4-Methyl-2-pentanone	10	U	12	U	NC	NA	14	U	14	U	NC	NA
Toluene	5.2	U	67		NC	61.8	49		7.1	U	NC	41.9
trans-1,3-Dichloropropene	2.1	U	2.3	U	NC	NA	2.7	U	2.9	U	NC	NA
1,1,2-Trichloroethane	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
Tetrachloroethene	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
2-Hexanone	10	U	12	U	NC	NA	14	U	14	U	NC	NA
Dibromochloromethane	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
1,2-Dibromoethane	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
Chlorobenzene	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
Ethylbenzene	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
o-Xylene	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
m,p-Xylene	5.2	U	5.8	U	NC	NA	1.3	J	7.1	U	NC	5.8
Styrene	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
Bromoform	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
Isopropylbenzene	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
1,1,2,2-Tetrachloroethane	2.1	U	2.3	U	NC	NA	2.7	U	2.9	U	NC	NA
1,3-Dichlorobenzene	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
1,4-Dichlorobenzene	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
1,2-Dichlorobenzene	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
1,2-Dibromo-3-chloropropane	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
1,2,4-Trichlorobenzene	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA
1,2,3-Trichlorobenzene	5.2	U	5.8	U	NC	NA	6.8	U	7.1	U	NC	NA

Table 4a
Soil VOC Field Duplicate Results
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Sample Code	CCSB-16-C		CCSB-16-C-DUP		RPD	ABS	ENSB-01-C		ENSB-01-C-DUP		RPD	ABS
Sample Name			CCSB-016-C						ENSB-001-C			
Sample Date	4/27/2010		4/27/2010				5/20/2010		5/20/2010			
Unit \\ Depth	8 to 12 ft		8 to 12 ft		< 100	< 5*CRQL	8 to 12 ft		8 to 12 ft		< 100	< 5*CRQL
Volatile Organic Compounds												
Dichlorodifluoromethane	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
Chloromethane	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
Vinyl Chloride	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
Bromomethane	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
Chloroethane	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
Trichlorofluoromethane	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
1,1-Dichloroethene	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
Acetone	16	J	8.9	J	57.03	7.1	13	U	12	U	NC	NA
Carbon Disulfide	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
Methyl Acetate	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
Methylene Chloride	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
trans-1,2-Dichloroethene	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
Methyl tert-Butyl Ether	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
1,1-Dichloroethane	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
cis-1,2-Dichloroethene	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
2-Butanone	17	U	15	U	NC	NA	13	U	12	U	NC	NA
Chlorobromomethane	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
Chloroform	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
1,1,1-Trichloroethane	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
Cyclohexane	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
Carbon Tetrachloride	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
Benzene	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
1,2-Dichloroethane	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
1,4-Dioxane	170	R	150	R	NC	NA	130	R	120	R	NC	NA
Trichloroethene	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
Methylcyclohexane	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
1,2-Dichloropropane	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
Bromodichloromethane	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
cis-1,3-Dichloropropene	3.4	U	3	U	NC	NA	6.5	U	6.2	U	NC	NA
4-Methyl-2-pentanone	17	U	15	U	NC	NA	13	U	12	U	NC	NA
Toluene	33		35		5.88	NA	6.5	U	6.2	U	NC	NA
trans-1,3-Dichloropropene	3.4	U	3	U	NC	NA	6.5	U	6.2	U	NC	NA
1,1,2-Trichloroethane	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
Tetrachloroethene	8.4	U	7.6	U	NC	NA	1.1	J	0.84	J	26.80	0.26
2-Hexanone	17	U	15	U	NC	NA	13	U	12	U	NC	NA
Dibromochloromethane	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
1,2-Dibromoethane	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
Chlorobenzene	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
Ethylbenzene	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
o-Xylene	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
m,p-Xylene	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
Styrene	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
Bromoform	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
Isopropylbenzene	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
1,1,2,2-Tetrachloroethane	3.4	U	3	U	NC	NA	6.5	U	6.2	U	NC	NA
1,3-Dichlorobenzene	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
1,4-Dichlorobenzene	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
1,2-Dichlorobenzene	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
1,2-Dibromo-3-chloropropane	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
1,2,4-Trichlorobenzene	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA
1,2,3-Trichlorobenzene	8.4	U	7.6	U	NC	NA	6.5	U	6.2	U	NC	NA

Table 4a
Soil VOC Field Duplicate Results
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Sample Code	ENSB-02-C		ENSB-02-C-DUP		RPD	ABS	ENSB-07-C		ENSB-07-C-DUP		RPD	ABS
Sample Name			ENSB-002-C						ENSB-007-C			
Sample Date	5/24/2010		5/24/2010				5/28/2010		5/28/2010			
Unit \\ Depth	8 to 12 ft		8 to 12 ft		< 100	< 5*CRQL	8 to 12 ft		8 to 12 ft		< 100	< 5*CRQL
Volatile Organic Compounds												
Dichlorodifluoromethane	7.1	U	5.2	U	NC	NA	6.1	U	6.4	UJ	NC	NA
Chloromethane	7.1	U	5.2	U	NC	NA	6.1	U	6.4	UJ	NC	NA
Vinyl Chloride	7.1	U	5.2	U	NC	NA	6.1	U	6.4	UJ	NC	NA
Bromomethane	7.1	U	5.2	U	NC	NA	6.1	U	6.4	UJ	NC	NA
Chloroethane	7.1	U	5.2	U	NC	NA	6.1	U	6.4	UJ	NC	NA
Trichlorofluoromethane	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
1,1-Dichloroethene	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
Acetone	14	U	10	U	NC	NA	4.6	J	13	U	NC	8.4
Carbon Disulfide	7.1	U	5.2	U	NC	NA	6.1	U	6.4	UJ	NC	NA
Methyl Acetate	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
Methylene Chloride	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
trans-1,2-Dichloroethene	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
Methyl tert-Butyl Ether	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
1,1-Dichloroethane	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
cis-1,2-Dichloroethene	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
2-Butanone	14	U	10	U	NC	NA	12	U	13	U	NC	NA
Chlorobromomethane	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
Chloroform	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
1,1,1-Trichloroethane	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
Cyclohexane	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
Carbon Tetrachloride	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
Benzene	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
1,2-Dichloroethane	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
1,4-Dioxane	140	R	100	R	NC	NA	120	R	130	R	NC	NA
Trichloroethene	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
Methylcyclohexane	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
1,2-Dichloropropane	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
Bromodichloromethane	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
cis-1,3-Dichloropropene	2.8	U	2.1	U	NC	NA	2.5	U	2.6	U	NC	NA
4-Methyl-2-pentanone	14	U	10	U	NC	NA	12	U	13	U	NC	NA
Toluene	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
trans-1,3-Dichloropropene	2.8	U	2.1	U	NC	NA	2.5	U	2.6	U	NC	NA
1,1,2-Trichloroethane	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
Tetrachloroethene	7.1	U	5.2	U	NC	NA	1.5	J	1.1	J	NA	0.4
2-Hexanone	14	U	10	U	NC	NA	12	U	13	U	NC	NA
Dibromochloromethane	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
1,2-Dibromoethane	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
Chlorobenzene	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
Ethylbenzene	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
o-Xylene	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
m,p-Xylene	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
Styrene	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
Bromoform	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
Isopropylbenzene	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
1,1,2,2-Tetrachloroethane	2.8	U	2.1	U	NC	NA	2.5	U	2.6	U	NC	NA
1,3-Dichlorobenzene	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
1,4-Dichlorobenzene	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
1,2-Dichlorobenzene	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
1,2-Dibromo-3-chloropropane	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
1,2,4-Trichlorobenzene	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA
1,2,3-Trichlorobenzene	7.1	U	5.2	U	NC	NA	6.1	U	6.4	U	NC	NA

Table 4a
Soil VOC Field Duplicate Results
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Sample Code	RMSB-12-C		RMSB-12-C-DUP		RPD	ABS	RMSB-14-C		RMSB-14-C-DUP		RPD	ABS
Sample Name			RMSB-012-C						RMSB-014-C			
Sample Date	4/30/2010		4/30/2010				5/6/2010		5/6/2010			
Unit \\ Depth	8 to 12 ft		8 to 12 ft		< 100	< 5*CRQL	8 to 12 ft		8 to 12 ft		< 100	< 5*CRQL
Volatile Organic Compounds												
Dichlorodifluoromethane	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
Chloromethane	5.4	U	580		NC	**574.6**	6.4	U	6.7	U	NC	NA
Vinyl Chloride	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
Bromomethane	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
Chloroethane	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
Trichlorofluoromethane	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
1,1-Dichloroethene	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
Acetone	19		950	U	NC	**931**	9.8	J	4.1	J	NA	5.7
Carbon Disulfide	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
Methyl Acetate	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
Methylene Chloride	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
trans-1,2-Dichloroethene	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
Methyl tert-Butyl Ether	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
1,1-Dichloroethane	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
cis-1,2-Dichloroethene	3.1	J	470	U	NC	**466.9**	6.4	U	6.7	U	NC	NA
2-Butanone	11	U	950	U	NC	NA	13	U	13	U	NC	NA
Chlorobromomethane	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
Chloroform	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
1,1,1-Trichloroethane	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
Cyclohexane	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
Carbon Tetrachloride	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
Benzene	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
1,2-Dichloroethane	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
1,4-Dioxane	4300	J	9500	R	NC	NA	130	R	130	R	NC	NA
Trichloroethene	2.2	J	470	U	NC	**467.8**	6.4	UJ	6.7	UJ	NC	NA
Methylcyclohexane	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
1,2-Dichloropropane	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
Bromodichloromethane	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
cis-1,3-Dichloropropene	2.2	U	190	U	NC	NA	2.6	U	2.7	U	NC	NA
4-Methyl-2-pentanone	11	U	950	U	NC	NA	13	U	13	U	NC	NA
Toluene	30		470	U	NC	**440**	6.4	U	6.7	U	NC	NA
trans-1,3-Dichloropropene	2.2	U	190	U	NC	NA	2.6	U	2.7	U	NC	NA
1,1,2-Trichloroethane	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
Tetrachloroethene	310	J	1000		105.34	NA	6.9		5.9	J	NA	1
2-Hexanone	11	U	950	U	NC	NA	13	U	13	U	NC	NA
Dibromochloromethane	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
1,2-Dibromoethane	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
Chlorobenzene	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
Ethylbenzene	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
o-Xylene	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
m,p-Xylene	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
Styrene	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
Bromoform	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
Isopropylbenzene	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
1,1,2,2-Tetrachloroethane	2.2	U	190	U	NC	NA	2.6	U	2.7	U	NC	NA
1,3-Dichlorobenzene	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
1,4-Dichlorobenzene	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
1,2-Dichlorobenzene	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
1,2-Dibromo-3-chloropropane	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
1,2,4-Trichlorobenzene	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA
1,2,3-Trichlorobenzene	5.4	U	470	U	NC	NA	6.4	U	6.7	U	NC	NA

Table 4a
Soil VOC Field Duplicate Results
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Sample Code	RMSB-18-C		RMSB-18-C-DUP		RPD	ABS	RMSB-23-D		RMSB-23-D-DUP		RPD	ABS
Sample Name			RMSB-018-C						RMSB-023-D			
Sample Date	5/10/2010		5/10/2010				6/2/2010		6/2/2010			
Unit \\ Depth	8 to 12 ft		8 to 12 ft		< 100	< 5*CRQL	20 to 24 ft		20 to 24 ft		< 100	< 5*CRQL
Volatile Organic Compounds												
Dichlorodifluoromethane	5.8	U	6.9	U	NC	NA	6.7	U	8	U	NC	NA
Chloromethane	5.8	U	6.9	U	NC	NA	6.7	U	8	U	NC	NA
Vinyl Chloride	400	J	380	J	5.13	NA	6.7	U	8	U	NC	NA
Bromomethane	5.8	U	6.9	U	NC	NA	6.7	U	8	U	NC	NA
Chloroethane	5.8	U	6.9	U	NC	NA	6.7	U	8	U	NC	NA
Trichlorofluoromethane	5.8	UJ	6.9	U	NC	NA	6.7	U	8	U	NC	NA
1,1-Dichloroethene	120		6.9	U	NC	113.1	6.7	U	8	U	NC	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	5.8	UJ	6.9	U	NC	NA	6.7	U	8	U	NC	NA
Acetone	850	J	1700	J	66.67	NA	6.4	J	13	J	68.04	6.6
Carbon Disulfide	69		9.3		152.49	59.7	6.7	U	8	U	NC	NA
Methyl Acetate	5.8	UJ	4.7	J	NC	1.1	6.7	U	8	U	NC	NA
Methylene Chloride	5.8	UJ	6.9	U	NC	NA	6.7	U	8	U	NC	NA
trans-1,2-Dichloroethene	92		6.9	U	NC	85.1	6.7	U	8	U	NC	NA
Methyl tert-Butyl Ether	5.8	UJ	6.9	U	NC	NA	6.7	U	8	U	NC	NA
1,1-Dichloroethane	47	J	12		118.64	35	6.7	U	8	U	NC	NA
cis-1,2-Dichloroethene	620		470	J	27.52	NA	0.95	J	6.4	J	NA	5.45
2-Butanone	110		420		**116.98**	310	13	U	16	U	NC	NA
Chlorobromomethane	5.8	UJ	6.9	U	NC	NA	6.7	U	8	U	NC	NA
Chloroform	8.1	J	6.9	U	NC	1.2	6.7	U	8	U	NC	NA
1,1,1-Trichloroethane	10	J	6.9	U	NC	3.1	6.7	U	8	U	NC	NA
Cyclohexane	5.8	U	6.9	U	NC	NA	6.7	U	8	U	NC	NA
Carbon Tetrachloride	5.8	UJ	6.9	U	NC	NA	6.7	U	8	U	NC	NA
Benzene	1.1	J	6.9	U	NC	5.8	6.7	U	8	U	NC	NA
1,2-Dichloroethane	5.8	UJ	6.9	U	NC	NA	6.7	U	8	U	NC	NA
1,4-Dioxane	100	J	72	J	32.56	NA	130	R	160	R	NC	NA
Trichloroethene	1400	J	25		192.98	1375	1	J	11		NA	10
Methylcyclohexane	5.2	J	6.9	U	NC	1.7	6.7	U	8	U	NC	NA
1,2-Dichloropropane	5.8	U	6.9	U	NC	NA	6.7	U	8	U	NC	NA
Bromodichloromethane	5.8	U	6.9	U	NC	NA	6.7	U	8	U	NC	NA
cis-1,3-Dichloropropene	5.8	U	6.9	U	NC	NA	2.7	U	3.2	U	NC	NA
4-Methyl-2-pentanone	15		5	J	100.00	10	13	U	16	U	NC	NA
Toluene	390	J	40		162.79	NA	6.7	U	8	U	NC	NA
trans-1,3-Dichloropropene	5.8	U	6.9	U	NC	NA	2.7	U	3.2	U	NC	NA
1,1,2-Trichloroethane	5.8	U	6.9	U	NC	NA	6.7	U	8	U	NC	NA
Tetrachloroethene	210	J	430	J	68.75	NA	85		710		#####	NA
2-Hexanone	12	U	14	U	NC	NA	13	U	16	U	NC	NA
Dibromochloromethane	5.8	UJ	6.9	U	NC	NA	6.7	U	8	U	NC	NA
1,2-Dibromoethane	5.8	UJ	6.9	U	NC	NA	6.7	U	8	U	NC	NA
Chlorobenzene	5.8	U	6.9	U	NC	NA	6.7	U	8	U	NC	NA
Ethylbenzene	11		6.9	U	NC	4.1	6.7	U	8	U	NC	NA
o-Xylene	29		1.6	J	179.08	27.4	6.7	U	8	U	NC	NA
m,p-Xylene	64		2.2	J	186.71	61.8	6.7	U	8	U	NC	NA
Styrene	5.8	U	6.9	U	NC	NA	6.7	U	8	U	NC	NA
Bromoform	5.8	UJ	6.9	U	NC	NA	6.7	U	8	U	NC	NA
Isopropylbenzene	2.1	J	6.9	U	NC	4.8	6.7	U	8	U	NC	NA
1,1,2,2-Tetrachloroethane	5.8	U	6.9	U	NC	NA	2.7	U	3.2	U	NC	NA
1,3-Dichlorobenzene	5.8	U	6.9	U	NC	NA	6.7	U	8	U	NC	NA
1,4-Dichlorobenzene	5.8	U	6.9	U	NC	NA	6.7	U	8	U	NC	NA
1,2-Dichlorobenzene	5.8	U	6.9	U	NC	NA	6.7	U	8	U	NC	NA
1,2-Dibromo-3-chloropropane	5.8	U	6.9	U	NC	NA	6.7	U	8	U	NC	NA
1,2,4-Trichlorobenzene	5.8	U	6.9	U	NC	NA	6.7	U	8	U	NC	NA
1,2,3-Trichlorobenzene	5.8	U	6.9	U	NC	NA	6.7	U	8	U	NC	NA

Table 4b
Aqueous VOCs Field Duplicate Results
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Sample Code		IVAX-2-S2		IVAX-2-S2-DUP		RPD	ABS	MPW-5-P7-S2		MPW-5-P7-S2-DUP		RPD	ABS
Sample Name				IVAX-02-S2						MPW-55-P7-S2			
Sample Date		7/23/2010		7/23/2010				7/21/2010		7/21/2010			
Depth	5XQL	NA		NA		< 50	< 5*CRQL	302 to 324 ft		302 to 324 ft		< 50	< 5*CRQL
Volatile Organic Compounds													
Dichlorodifluoromethane	2.5	0.5	U	0.5	U	NC	NA	0.082	J	0.5	U	NC	0.42
Chloromethane	2.5	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Vinyl Chloride	2.5	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Bromomethane	2.5	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Chloroethane	2.5	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Trichlorofluoromethane	2.5	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,1-Dichloroethene	2.5	39	J	0.5	U	NC	38.5	3.6	J	3.4	J	2.86	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	2.5	0.41	J	0.37	J	10.26	0.04	0.5	U	0.5	U	NC	NA
Acetone	25	5	U	5	U	NC	NA	5	U	5	U	NC	NA
Carbon Disulfide	2.5	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Methyl Acetate	2.5	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Methylene Chloride	2.5	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
trans-1,2-Dichloroethene	2.5	0.5	U	0.5	U	NC	NA	0.48	J	0.59	J	10.28	0.11
Methyl tert-Butyl Ether	2.5	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,1-Dichloroethane	2.5	2.8	J	2.9	J	3.51	0.1	0.092	J	0.087	J	2.79	0.005
cis-1,2-Dichloroethene	2.5	0.5	U	0.5	U	NC	NA	32	J	31	J	1.59	NA
2-Butanone	25	5	U	5	U	NC	NA	5	U	5	U	NC	NA
Chlorobromomethane	2.5	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Chloroform	2.5	68	J	71	J	4.32	NA	3.5		3.3		2.94	NA
1,1,1-Trichloroethane	2.5	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Cyclohexane	2.5	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Carbon Tetrachloride	2.5	0.5	U	0.5	U	NC	NA	0.16	J	0.5	U	NC	NA
Benzene	2.5	0.5	U	0.5	U	NC	NA	0.16	J	0.16	J	0.00	0
1,2-Dichloroethane	2.5	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,4-Dioxane	500												
Trichloroethene	2.5	0.5	U	0.5	U	NC	NA	5.3		4.7		6.00	NA
Methylcyclohexane	2.5	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,2-Dichloropropane	2.5	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Bromodichloromethane	2.5	0.44	J	0.48	J	8.70	0.04	0.5	U	0.5	U	NC	NA
cis-1,3-Dichloropropene	2.5	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
4-Methyl-2-pentanone	25	5	U	5	U	NC	NA	5	U	5	U	NC	NA
Toluene	2.5	0.5	U	0.5	U	NC	NA	1.6		2.1		13.51	0.5
trans-1,3-Dichloropropene	2.5	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,1,2-Trichloroethane	2.5	0.16	J	0.18	J	11.76	0.02	0.5	U	0.5	U	NC	NA
Tetrachloroethene	2.5	0.78		0.76		2.60	0.02	86		68		11.69	NA
2-Hexanone	25	5	U	5	U	NC	NA	5	U	5	U	NC	NA
Dibromochloromethane	2.5	0.075	J	0.088	J	15.95	0.013	0.5	U	0.5	U	NC	NA
1,2-Dibromoethane	2.5	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Chlorobenzene	2.5	0.5	U	0.5	U	NC	NA	0.5	U	0.073	J	NC	0.43
Ethylbenzene	2.5	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
o-Xylene	2.5	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
m,p-Xylene	2.5	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Styrene	2.5	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Bromoform	2.5	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Isopropylbenzene	2.5	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,1,2,2-Tetrachloroethane	2.5	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,3-Dichlorobenzene	2.5	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,4-Dichlorobenzene	2.5	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,2-Dichlorobenzene	2.5	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,2-Dibromo-3-chloropropane	2.5	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,2,4-Trichlorobenzene	2.5	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
1,2,3-Trichlorobenzene	2.5	0.5	U	0.5	U	NC	NA	0.5	U	0.5	U	NC	NA
Volatile Organic Compounds - SIM													
1,2-Dibromoethane	0.25	0.05	U	0.05	U	NC	NA	0.05	U	0.05	U	NC	NA
1,2-Dibromo-3-chloropropane	0.25	0.05	U	0.05	U	NC	NA	0.05	U	0.05	U	NC	NA

Notes and Abbreviation:

1. RPD is calculated when both results are detected above the CRQL.
2. ABS is calculated for results failing the RPD **and** where results fall below the CRQL.
3. Values highlighted exceed criteria (above 50% RPD or ABS values above five times the CRQL).

Acronyms:

ABS = absolute difference
VOC = volatile organic compound
CRQL = contract required detection limit
J = estimated
U = non-detect
NA = Not available or not applicable
NC = Not calculable
µg = microgram; L = liter
RPD = relative percent difference

Table 4b
Aqueous VOCs Field Duplicate Results
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Sample Code	SMW-1-S2		SMW-1-S2-DUP		RPD	ABS	SMW-10-S2		SMW-10-S2-DUP		RPD	ABS
Sample Name			SMW-01-S2						SMW-010-S2			
Sample Date	7/26/2010		7/26/2010				7/29/2010		7/29/2010			
Depth	55 ft		55 ft		< 50	< 5*CRQL	70 ft		70 ft		< 50	< 5*CRQL
Volatile Organic Compounds												
Dichlorodifluoromethane	5	U	1	U	NC	NA	5	U	5	U	NC	NA
Chloromethane	5	U	1	U	NC	NA	5	U	5	U	NC	NA
Vinyl Chloride	5	U	1	U	NC	NA	5	U	5	U	NC	NA
Bromomethane	5	U	1	U	NC	NA	5	U	5	U	NC	NA
Chloroethane	5	U	1	U	NC	NA	5	U	5	U	NC	NA
Trichlorofluoromethane	5	U	1	U	NC	NA	5	U	5	U	NC	NA
1,1-Dichloroethene	5	U	11		NC	6.00	31		29		3.33	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	5	U	0.3	J	NC	4.70	5	U	5	U	NC	NA
Acetone	50	U	10	U	NC	NA	50	U	50	U	NC	NA
Carbon Disulfide	5	U	1	U	NC	NA	5	U	5	U	NC	NA
Methyl Acetate	5	U	1	U	NC	NA	5	U	5	U	NC	NA
Methylene Chloride	5	U	0.16	J	NC	4.84	5	U	5	U	NC	NA
trans-1,2-Dichloroethene	5	U	0.14	J	NC	4.86	5	U	5	U	NC	NA
Methyl tert-Butyl Ether	5	U	1	U	NC	NA	5	U	5	U	NC	NA
1,1-Dichloroethane	5	U	0.19	J	NC	4.81	5	U	5	U	NC	NA
cis-1,2-Dichloroethene	21		24		6.67	NA	60		55		4.35	NA
2-Butanone	50	U	10	U	NC	NA	50	U	50	U	NC	NA
Chlorobromomethane	5	U	1	U	NC	NA	5	U	5	U	NC	NA
Chloroform	9.4		12		12.15	NA	5	U	5	U	NC	NA
1,1,1-Trichloroethane	5	U	1	U	NC	NA	5	U	5	U	NC	NA
Cyclohexane	5	U	1	U	NC	NA	5	U	5	U	NC	NA
Carbon Tetrachloride	5	U	1	U	NC	NA	5	U	5	U	NC	NA
Benzene	5	U	1	U	NC	NA	5	U	5	U	NC	NA
1,2-Dichloroethane	5	U	1	U	NC	NA	5	U	5	U	NC	NA
1,4-Dioxane												
Trichloroethene	14		15		3.45	NA	31		29		3.33	NA
Methylcyclohexane	5	U	1	U	NC	NA	5	U	5	U	NC	NA
1,2-Dichloropropane	5	U	1	U	NC	NA	5	U	5	U	NC	NA
Bromodichloromethane	5	U	0.65	J	NC	4.35	5	U	5	U	NC	NA
cis-1,3-Dichloropropene	5	UJ	1	UJ	NC	NA	5	UJ	5	UJ	NC	NA
4-Methyl-2-pentanone	50	U	10	U	NC	NA	50	U	50	U	NC	NA
Toluene	5	U	1	U	NC	NA	5	U	5	U	NC	NA
trans-1,3-Dichloropropene	5	UJ	1	UJ	NC	NA	5	UJ	5	UJ	NC	NA
1,1,2-Trichloroethane	5	UJ	1	UJ	NC	NA	5	UJ	5	UJ	NC	NA
Tetrachloroethene	680		680		0.00	NA	1700		1600		3.03	NA
2-Hexanone	50	U	10	U	NC	NA	50	U	50	U	NC	NA
Dibromochloromethane	5	U	0.11	J	NC	4.89	5	U	5	U	NC	NA
1,2-Dibromoethane	5	U	1	U	NC	NA	5	U	5	U	NC	NA
Chlorobenzene	5	U	1	U	NC	NA	5	U	5	U	NC	NA
Ethylbenzene	5	U	1	U	NC	NA	5	U	5	U	NC	NA
o-Xylene	5	U	1	U	NC	NA	5	U	5	U	NC	NA
m,p-Xylene	5	U	1	U	NC	NA	5	U	5	U	NC	NA
Styrene	5	U	1	U	NC	NA	5	U	5	U	NC	NA
Bromoform	5	U	1	U	NC	NA	5	U	5	U	NC	NA
Isopropylbenzene	5	U	1	U	NC	NA	5	U	5	U	NC	NA
1,1,2,2-Tetrachloroethane	5	U	1	U	NC	NA	5	U	5	U	NC	NA
1,3-Dichlorobenzene	5	U	1	U	NC	NA	5	U	5	U	NC	NA
1,4-Dichlorobenzene	5	U	1	U	NC	NA	5	U	5	U	NC	NA
1,2-Dichlorobenzene	5	U	1	U	NC	NA	5	U	5	U	NC	NA
1,2-Dibromo-3-chloropropane	5	U	1	U	NC	NA	5	U	5	U	NC	NA
1,2,4-Trichlorobenzene	5	U	1	U	NC	NA	5	U	5	U	NC	NA
1,2,3-Trichlorobenzene	5	U	1	U	NC	NA	5	U	5	U	NC	NA
Volatile Organic Compounds - SI												
1,2-Dibromoethane	0.05	U	0.05	U	NC	NA	0.05	U	0.05	U	NC	NA
1,2-Dibromo-3-chloropropane	0.05	U	0.05	U	NC	NA	0.05	U	0.05	U	NC	NA

Notes and Abbreviation:

1. RPD is calculated when both results are detected above the CRQL.
2. ABS is calculated for results failing the RPD **and** where results fall below the CRQL.
3. Values highlighted exceed criteria (above 50% RPD or ABS values above five times the CRQL).

Acronyms:

ABS = absolute difference
VOC = volatile organic compound
CRQL = contract required detection limit
J = estimated
U = non-detect
NA = Not available or not applicable
NC = Not calculable
µg = microgram; L = liter
RPD = relative percent difference

Table 4c
Aqueous Metals Field Duplicate Results
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Sample Code		IVAX-2-S2		IVAX-2-S2-DUP		RPD	ABS	MPW-5-P7-S2		MPW-5-P7-S2-DUP		RPD	ABS
Sample Name				IVAX-02-S2						MPW-55-P7-S2			
Sample Date		7/23/2010		7/23/2010				7/21/2010		7/21/2010			
Criteria \\ Depth	5XQL	NA		NA		< 50	< 5*CRQL	302 to 324 ft		302 to 324 ft		< 50	< 5*CRQL
Inorganic Analytes													
Aluminum	500	100	U	100	U	NC	NA	100	U	100	U	NC	NA
Antimony	10	2	U	2	U	NC	NA	2	U	2	U	NC	NA
Arsenic	40	8	U	8	U	NC	NA	8	U	8	U	NC	NA
Barium	500	100	U	100	U	NC	NA	100	U	100	U	NC	NA
Beryllium	15	3	U	3	U	NC	NA	3	U	3	U	NC	NA
Cadmium	15	3	U	3	U	NC	NA	3	U	3	U	NC	NA
Calcium	25000	39,000		40,000		2.53	NA	67,000		67,000		0.00	NA
Chromium	25	5	U	5	U	NC	NA	5	U	5	U	NC	NA
Cobalt	100	20	U	20	U	NC	NA	20	U	20	U	NC	NA
Copper	50	10	U	10	U	NC	NA	10	U	10	U	NC	NA
Iron	250	50	U	50	U	NC	NA	50	U	50	U	NC	NA
Lead	40	8	U	8	U	NC	NA	8	U	8	U	NC	NA
Magnesium	25000	16,000		16,000		0.00	NA	20,000		19,000		5.13	NA
Manganese	25	5	U	5	U	NC	NA	17		22		25.64	NA
Mercury	1	0.2	U	0.2	U	NC	NA	0.2	U	0.2	U	NC	NA
Nickel	100	20	U	20	U	NC	NA	20	U	20	U	NC	NA
Potassium	25000	2,000		2,100		4.88	NA	1,000		920		8.33	NA
Selenium	100	20	U	20	U	NC	NA	20	U	20	U	NC	NA
Silver	25	5	U	5	U	NC	NA	5	U	5	U	NC	NA
Sodium	25000	20,000		20,000		0.00	NA	26,000		26,000		0.00	NA
Thallium	5	1	U	1	U	NC	NA	1	U	1	U	NC	NA
Vanadium	100	20		20	U	NC	NA	24		23		4.26	NA
Zinc	100	38		43		12.35	NA	20	U	20	U	NC	NA

Notes and Abbreviation:
1. RPD is calculated when both results are detected.
2. ABS is calculated for results failing the RPD **and** where results fall below the CRQL.
3. Values highlighted exceed criteria (above 50% RPD or ABS values above five times the CRQL).

Acronyms:
ABS = absolute difference
AES = atomic emission spectroscopy
CRQL = contract required detection limit
NA = Not available or not applicable
NC = Not calculable
RPD = relative percent difference
µg = microgram; L = liter
J = estimated
U = non-detect

Table 4c
Aqueous Metals Field Duplicate Results
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Sample Code	SMW-1-S2		SMW-1-S2-DUP		RPD	ABS	SMW-10-S2		SMW-10-S2-DUP		RPD	ABS
Sample Name			SMW-01-S2						SMW-010-S2			
Sample Date	7/26/2010		7/26/2010				7/29/2010		7/29/2010			
Criteria \\ Depth	55 ft		55 ft		< 50	< 5*CRQL	70 ft		70 ft		< 50	< 5*CRQL
Inorganic Analytes												
Aluminum	240		260		8.00	NA	1,200		2,900		82.93	NA
Antimony	2	U	2	U	NC	NA	2	U	2	U	NC	NA
Arsenic	8	U	8	U	NC	NA	8	U	8	U	NC	NA
Barium	130		130		0.00	NA	210		270		25.00	NA
Beryllium	3	U	3	U	NC	NA	3	U	3	U	NC	NA
Cadmium	3	U	3	U	NC	NA	3	U	3	U	NC	NA
Calcium	41,000		40,000		2.47	NA	26,000		33,000		23.73	NA
Chromium	6.9		7.2		4.26	NA	5	U	14		NC	NA
Cobalt	20	U	20	U	NC	NA	20	U	20	U	NC	NA
Copper	10	U	10	U	NC	NA	10	U	10	U	NC	NA
Iron	380		380		0.00	NA	89		340		NA	251
Lead	8	U	8	U	NC	NA	8	U	8	U	NC	NA
Magnesium	19,000		19,000		0.00	NA	6,200		12,000		NA	5800
Manganese	260		240		8.00	NA	7.3		21		NA	13.7
Mercury	0.2	U	0.2	U	NC	NA	0.2	U	0.2	U	NC	NA
Nickel	20	U	20	U	NC	NA	20	U	20	U	NC	NA
Potassium	2,500		2,500		0.00	NA	51,000		51,000		0.00	NA
Selenium	20	U	20	U	NC	NA	20	U	20	U	NC	NA
Silver	5	U	5	U	NC	NA	5	U	5	U	NC	NA
Sodium	30,000		30,000		0.00	NA	120,000		110,000		8.70	NA
Thallium	1	U	1	U	NC	NA	1	U	1	U	NC	NA
Vanadium	20		20		0.00	NA	67		71		5.80	NA
Zinc	20	U	20	U	NC	NA	20	U	20	U	NC	NA

Notes and Abbreviation:

1. RPD is calculated when both results are detected.
2. ABS is calculated for results failing the RPD **and** where results fall below the CRQL.
3. Values highlighted exceed criteria (above 50% RPD or ABS values above five times the CRQL).

Acronyms:
ABS = absolute difference
AES = atomic emission spectroscopy
CRQL = contract required detection limit
NA = Not available or not applicable
NC = Not calculable
RPD = relative percent difference
µg = microgram; L = liter
J = estimated
U = non-detect

Table 4d
Wet Chemistry Field Duplicate Results
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Sample Code / Sample Name / Sample Date / Chemical Name	Unit \\ Depth	5 x QL	IVAX-2-S2 / 7/23/2010	IVAX-2-S2-DUP / IVAX-02-S2 / 7/23/2010	RPD	ABS	MPW-5-P7-S2 / 7/21/2010		MPW-5-P7-S2-DUP / MPW-55-P7-S2 / 7/21/2010		RPD	ABS
			NA	NA	< 50	< 5*QL	302 to 324 ft		302 to 324 ft		< 50	< 5*QL
Wet Chemistry												
Alkalinity, Total (as CaCO3)	mg/L	20	NA	NA	NA	NA	250		250		0.00	NA
Chloride	mg/L	5	NA	NA	NA	NA	41		41		0.00	NA
Ethene	µg/L	10	NA	NA	NA	NA	2	U	2	U	NC	NA
Ethane	µg/L	10	NA	NA	NA	NA	2	U	2	U	NC	NA
Methane	µg/L	10	NA	NA	NA	NA	560		680		19.35	NA
Hardness as CaCO3	mg/L	35	160	170	6.06	NA	250		250		0.00	NA
Nitrate	mg/L	0.25	NA	NA	NA	NA	4.6		4.5		2.20	NA
Nitrite	mg/L	0.25	NA	NA	NA	NA	0.05	U	0.05	U	NC	NA
Nitrogen, Ammonia	mg/L	0.25	NA	NA	NA	NA	0.05	U	0.05	U	NC	NA
Nitrogen, Total Kjeldahl	mg/L	0.5	NA	NA	NA	NA	0.1	U	0.1	U	NC	NA
Sulfate	mg/L	5	NA	NA	NA	NA	9.1		9		1.10	NA
Sulfide	mg/L	0.05	NA	NA	NA	NA	Not Analyzed		Not Analyzed			
Total Organic Carbon	mg/L	5	NA	NA	NA	NA	1.8		2		10.53	NA
Total Dissolved Solids	mg/L	50	NA	NA	NA	NA	390		390		0.00	NA
Total Suspended Solids	mg/L	50	NA	NA	NA	NA	10	U	10	U	NC	NA
HACH - Ferrous Iron	mg/L	0.15	NA	NA	NA	NA	0.03	U	0.03	U	NC	NA

Notes and Abbreviation:

1. RPD is calculated when both results are detected above the QL.
2. ABS is calculated for results failing the RPD **and** where results fall below the QL.
3. Values highlighted exceed criteria (above 50% RPD or ABS values above five times the QL).

Acronyms:
ABS = absolute difference
RPD = relative percent difference
QL = quantitation limit
J = estimated
U = non-detect
NA = Not analyzed or not applicable
NC = Not calculable
µg = microgram; L = liter
ft = feet
mg = milligram
CaCO3 = calcium carbonate

Table 4d
Wet Chemistry Field Duplicate Results
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Sample Code			SMW-1-S2		SMW-1-S2-DUP		RPD	ABS	SMW-10-S2		SMW-10-S2-DUP		RPD	ABS
Sample Name					SMW-01-S2						SMW-010-S2			
Sample Date		5 x QL	7/26/2010		7/26/2010				7/29/2010		7/29/2010			
Chemical Name	Unit \\ Depth		0 to 55 ft		55 ft		< 50	< 5*QL	70 ft		70 ft		< 50	< 5*QL
Wet Chemistry														
Alkalinity, Total (as CaCO3)	mg/L	20	180		180		0.00	NA	230		230		0.00	NA
Chloride	mg/L	5	36		36		0.00	NA	24		24		0.00	NA
Ethene	µg/L	10	2	U	2	U	NC	NA	2	U	2	U	NC	NA
Ethane	µg/L	10	2.4		2	U	NC	NA	2	U	2	U	NC	NA
Methane	µg/L	10	4.3		2.6		49.28	NA	8.2		4.8		52.31	3.4
Hardness as CaCO3	mg/L	35	180		180		0.00	NA	90		130		36.36	NA
Nitrate	mg/L	0.25	3.4		3.4		0.00	NA	4.5		5.1		12.50	NA
Nitrite	mg/L	0.25	0.12		0.14		15.38	NA	0.53		0.54		1.87	NA
Nitrogen, Ammonia	mg/L	0.25	0.05	U	0.05	U	NC	NA	0.29		0.3		3.39	NA
Nitrogen, Total Kjeldahl	mg/L	0.5	0.16		0.1	U	NC	NA	0.46		0.58		23.08	NA
Sulfate	mg/L	5	18		19		5.41	NA	8.8		9.2		4.44	NA
Sulfide	mg/L	0.05	Not Analyzed		Not Analyzed				Not Analyzed		Not Analyzed			
Total Organic Carbon	mg/L	5	2		2.4		18.18	NA	1.3		1.2		8.00	NA
Total Dissolved Solids	mg/L	50	330		310		6.25	NA	360		410		12.99	NA
Total Suspended Solids	mg/L	50	10	U	10	U	NC	NA	64		73		13.14	NA
HACH - Ferrous Iron	mg/L	0.15	0.03		0.03		0.00	NA	0.04		0.04		0.00	NA

Notes and Abbreviation:

1. RPD is calculated when both results are detected above the QL.
2. ABS is calculated for results failing the RPD **and** where results fall below the QL.
3. Values highlighted exceed criteria (above 50% RPD or ABS values above five times the QL).

Acronyms:
ABS = absolute difference
RPD = relative percent difference
QL = quantitation limit
J = estimated
U = non-detect
NA = Not analyzed or not applicable
NC = Not calculable
µg = microgram; L = liter
ft = feet
mg = milligram
CaCO3 = calcium carbonate

Table 4d
Wet Chemistry Field Duplicate Results
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Sample Code			IDCSB-08-D	IDCSB-08-D-DUP			ESSB-15-F	ESSB-15-F-DUP		
Sample Name				IDC-SB008-D	RPD	ABS		ESSB-015-F	RPD	ABS
Sample Date		5 x QL	6/7/2010	6/7/2010			5/27/2010	5/27/2010		
Chemical Name	Unit \\ Depth		20 to 24 ft	20 to 24 ft	< 100	< 5*QL	44 to 48 ft	to	< 100	< 5*QL
pH	s.u.	0.5	4.76	4.76	0.00	NA	6.65	6.97	4.70	NA
Total Organic Carbon	mg/kg	500	1360	1510	10.45	NA	1960	1240	45	NA

Sample Code			ENSB-05-C	ENSB-05-C-DUP			CCSB-18-D	CCSB-18-D-DUP		
Sample Name				ENSB-005-C	RPD	ABS		CC-SB018D	RPD	ABS
Sample Date		5 x QL	5/26/2010	5/26/2010			4/28/2010	4/28/2010		
Chemical Name	Unit \\ Depth		8 to 12 ft	8 to 12 ft	< 100	< 5*QL	20 to 24 ft	to	< 100	< 5*QL
pH	s.u.	0.5	6.6	7	5.88	NA	5.09	4.99	1.98	NA
Total Organic Carbon	mg/kg	500	18300	16500	10.34	NA	10880	3671	99.09	NA

Notes and Abbreviation:

1. RPD is calculated when both results are detected above the QL.
2. ABS is calculated for results failing the RPD **and** where results fall below the QL.
3. Values highlighted exceed criteria (above 100% RPD or ABS values above five times the QL).

Acronyms:

ABS = absolute difference
RPD = relative percent difference
QL = quantitation limit
ft = feet
NA = Not analyzed or not applicable
NC = Not calculable
mg = milligram; kg = kilogram
s.u. = standard units

R2-0008005

Table 4d
Wet Chemistry Field Duplicate Results
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Sample Code			IDCSB-08-D	IDCSB-08-D-DUP	RPD	ABS	ESSB-15-F	ESSB-15-F-DUP	RPD	ABS
Sample Name				IDC-SB008-D				ESSB-015-F		
Sample Date		5 x QL	6/7/2010	6/7/2010			5/27/2010	5/27/2010		
Chemical Name	Unit \\ Depth		20 to 24 ft	20 to 24 ft	< 100	< 5*QL	44 to 48 ft	to	< 100	< 5*QL
pH	s.u.	0.5	4.76	4.76	0.00	NA	6.65	6.97	4.70	NA
Total Organic Carbon	mg/kg	500	1360	1510	10.45	NA	1960	1240	45	NA

Sample Code			ENSB-05-C	ENSB-05-C-DUP	RPD	ABS	CCSB-18-D	CCSB-18-D-DUP	RPD	ABS
Sample Name				ENSB-005-C				CC-SB018D		
Sample Date		5 x QL	5/26/2010	5/26/2010			4/28/2010	4/28/2010		
Chemical Name	Unit \\ Depth		8 to 12 ft	8 to 12 ft	< 100	< 5*QL	20 to 24 ft	to	< 100	< 5*QL
pH	s.u.	0.5	6.6	7	5.88	NA	5.09	4.99	1.98	NA
Total Organic Carbon	mg/kg	500	18300	16500	10.34	NA	10880	3671	99.09	NA

Notes and Abbreviation:

1. RPD is calculated when both results are detected above the QL.
2. ABS is calculated for results failing the RPD **and** where results fall below the QL.
3. Values highlighted exceed criteria (above 100% RPD or ABS values above five times the QL).

Acronyms:

ABS = absolute difference
RPD = relative percent difference
QL = quantitation limit
ft = feet
NA = Not analyzed or not applicable
NC = Not calculable
mg = milligram; kg = kilogram
s.u. = standard units

Table 5
Field and Trip Blank Results

Table 5a –Field Blank VOC Results

Table 5b – Trip Blank VOC Results

Table 5c – Field and Trip Blanks Inorganic and Gases Results

Table 5a
Field Blank VOC Results
Cidra Contaminated Groundwater Site
Cidra, Puerto Rico

Sample Code		FB-042310		FB-01-072610		FB-02-072710		FB-03-072810		FB-04-072910		FB-05-073010	
Sample Name		FB-01		FB-01		FB-02							
Sample Date	CRQL	4/23/2010		7/26/2010		7/27/2010		7/28/2010		7/29/2010		7/30/2010	
		Soil blank											
Volatile Organic Compounds													
Chloromethane	0.5							***0.11***	J				
1,1-Dichloroethene	0.5												
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5												
Acetone	5	***3.7***	J	***1.8***	J	***2.1***	J						
Carbon Disulfide	0.5	***0.094***	J										
Methylene Chloride	0.5	***0.31***	J	**4.4**		**4.2**		**3.5**		**3.2**		**3**	
trans-1,2-Dichloroethene	0.5	***0.15***	J										
1,1-Dichloroethane	0.5												
cis-1,2-Dichloroethene	0.5												
Chloroform	0.5	**2**	J	***0.074***	J	***0.071***	J						
Benzene	0.5									***0.23***	J	***0.21***	J
Cyclohexane	0.5	***0.11***	J										
Trichloroethene	0.5												
Toluene	0.5	***0.21***	J	***0.25***	J	***0.19***	J	**0.71**		**1.4**		**1.1**	
Ethylbenzene	0.5	***0.075***	J							***0.18***	J		
o-Xylene	0.5	***0.046***	J					***0.074***	J	***0.3***	J	***0.3***	J
m,p-Xylene	0.5	***0.18***	J					***0.26***	J	**0.79**		**0.64**	
1,1,2,2-Tetrachloroethane	0.5												
Volatile Organic Compounds - SIM													
1,2-Dibromoethane	0.5	0.5	U										
1,2-Dibromo-3-chloropropane	0.5	0.5	U										

Notes:
1. Values detected above the CRQL are highlighted and bolded
2. Values detected below the CRQL are highlighted and italicized
3. Field blanks not listed had no contaminants; contaminants not listed had no detections
4. Blank cells represent non-detect results.

Abbreviations:

CRQL	contract required quantitation limit
µg/L	microgram per liter
U	non-detect
VOC	volatile organic compound
TCL	target compound list
J	estimated
SIM	selected ion monitoring

Table 5b
Trip Blank VOC Results
Cidra Contaminated Groundwater Site
Cidra, Puerto Rico

Sample Code / Sample Name / Sample Date	CRQL	TB-01-072010 7/20/2010		TB-02-072110 7/21/2010		TB-03-072210 7/22/2010		TB-04-072310 7/23/2010		TB-05-072610 7/26/2010		TB-06-072710 7/27/2010		TB-07-072810 7/28/2010		TB-08-072910 7/29/2010		TB-09-073010 7/30/2010	
Volatile Organic Compounds																			
Chloromethane	0.5													***0.13***	J	***0.074***	J		
1,1-Dichloroethene	0.5							***0.092***	J										
1,1,2-Trichloro-1,2,2-trifluoroethan	0.5	***0.17***	J																
Acetone	5	***3***	J	***2.6***	J	***1.5***	J	***1.8***	J										
Carbon Disulfide	0.5																		
Methylene Chloride	0.5	**5.6**		**5.3**		**5.2**		**4.9**		**3.7**		**3.7**		**3.6**		**3.3**		**3**	
trans-1,2-Dichloroethene	0.5	***0.11***	J																
1,1-Dichloroethane	0.5	***0.068***	J																
cis-1,2-Dichloroethene	0.5	***0.064***	J																
Chloroform	0.5	***0.19***	J					***0.1***	J							***0.097***	J		
Benzene	0.5	***0.16***	J											***0.15***	J	***0.25***	J	***0.2***	J
Cyclohexane	0.5																		
Trichloroethene	0.5	***0.067***	J																
Toluene	0.5	**0.95**		**0.68**		**0.58**		***0.45***	J	***0.23***	J	***0.2***	J	**0.69**		**1.4**		**1**	
Ethylbenzene	0.5															***0.17***	J		
o-Xylene	0.5															***0.3***	J	***0.28***	J
m,p-Xylene	0.5													***0.24***	J	**0.79**		**0.62**	
1,1,2,2-Tetrachloroethane	0.5	***0.074***	J																

Notes:
1. Values detected above the CRQL are highlighted and bolded
2. Values detected below the CRQL are highlighted and italicized
3. Field blanks not listed had no contaminants; contaminants not listed had no detections
4. Blank cells represent non-detect results.

Abbreviations:

CRQL	contract required quantitation limit
µg/L	microgram per liter
U	non-detect
VOC	volatile organic compound
TCL	target compound list
J	estimated
SIM	selected ion monitoring

Table 5c
Field and Trip Blanks Inorganic and Gases Results
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Sample Code		FB-01-072610		FB-02-072710		FB-03-072810		FB-04-072910		FB-05-073010	
Sample Name		FB-01		FB-02							
Sample Date	Unit	7/26/2010		7/27/2010		7/28/2010		7/29/2010		7/30/2010	
Inorganic Analytes											
Aluminum	µg/L	100	U	100	U	100	U	100	U	100	U
Antimony	µg/L	2	U	2	U	2	U	2	U	2	U
Arsenic	µg/L	8	U	8	U	8	U	8	U	8	U
Barium	µg/L	100	U	100	U	100	U	100	U	100	U
Beryllium	µg/L	3	U	3	U	3	U	3	U	3	U
Cadmium	µg/L	3	U	3	U	3	U	3	U	3	U
Calcium	µg/L	500	U	500	U	500	U	500	U	500	U
Chromium	µg/L	5	U	5	U	5	U	5	U	5	U
Cobalt	µg/L	20	U	20	U	20	U	20	U	20	U
Copper	µg/L	10	U	10	U	10	U	10	U	10	U
Iron	µg/L	50	U	50	U	50	U	50	U	50	U
Lead	µg/L	8	U	8	U	8	U	8	U	8	U
Magnesium	µg/L	500	U	500	U	500	U	500	U	500	U
Manganese	µg/L	5	U	5	U	5	U	5	U	5	U
Mercury	µg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Nickel	µg/L	20	U	20	U	20	U	20	U	20	U
Potassium	µg/L	500	U	500	U	500	U	500	U	500	U
Selenium	µg/L	20	U	20	U	20	U	20	U	20	U
Silver	µg/L	5	U	5	U	5	U	5	U	5	U
Sodium	µg/L	1000	U	1000	U	1000	U	1000	U	1000	U
Thallium	µg/L	1	U	1	U	1	U	1	U	1	U
Vanadium	µg/L	20	U	20	U	20	U	20	U	20	U
Zinc	µg/L	20	U	20	U	20	U	20	U	20	U
Cyanide	µg/L										

Sample Code		FB-01-072610		FB-02-072710		FB-03-072810		FB-04-072910		FB-05-073010		TB-06-072710		TB-07-072810		TB-08-072910		TB-09-073010	
Sample Name		FB-01		FB-02															
Sample Date	Unit	7/26/2010		7/27/2010		7/28/2010		7/29/2010		7/30/2010		7/27/2010		7/28/2010		7/29/2010		7/30/2010	
Wet Chemistry																			
Hardness As CaCO3	mg/L	3.3	U	3.3	U	3.3	U	3.3	U	3.3	U	NA		NA		NA		NA	
Methane	µg/L	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Ethene	µg/L	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Ethane	µg/L	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U

Notes:
1. No contamination was detected in these blanks.

Abbreviations:

mg/L	milligram per liter
µg/L	microgram per liter
U	non-detect

Table 6

Quantitation Limits Above Project-Specific Criteria

(Groundwater and Soil)

Table 6
Quantitation Limits Above Project-Specific Criteria
Cidra Contaminated Groundwater Site,
Cidra, Puerto Rico

Chemical Group	Puerto Rico Groundwater Standard 2-06	QAPP Project Action Limit	QAPP Project Quantitation Limit Goal	Method CRQL	IVAX-2-S2 Sample Reporting Limit	Maximum GW SRL	Comment
Metals (µg/L):							
Arsenic	50	10	2	1	8	NA	SRL < PAL
Beryllium	NA	4	1	1	3	NA	SRL < PAL
Cadmium	5	5	1	1	3	NA	SRL < PAL
Selenium	50	50	10	5	20	NA	SRL < PAL

Chemical Group	Soil Standard	QAPP Project Action Limit	QAPP Project Quantitation Limit Goal	Method CRQL	CCSB-14-C Sample Reporting Limits	Maximum Soil SRL	Comment
VOCs (µg/kg):							
1,2-Dichloropropane	Soil screening levels as per QAPP	30	6	5	6.8	8.4	SRL < PAL
Vinyl chloride		10	5	5	6.8	8.4	SRL < PAL
Benzene		30	6	5	6.8	8.4	SRL < PAL

Notes and Abbreviations:

1 Compounds listed above have reporting sample limits above the project quantitation limit goal.
2 Samples listed were used as examples; however, all metal sample results limits were the same as the sample listed above.
3 For method ILM05.4, ICP-MS was requested for the metals listed above to try to achieve lower limits.

CRQL - contract required quantitation limit
GW - groundwater
J - Value estimated
PAL - project action limit
QAPP - quality assurance project plan
SRL - sample reporting limit
VOC - volatile organic ocmpound
µg/kg = microgram per kilogram
µg/L - microgram per liter

Table 7a

Data Completeness Report
(Usability Summary)

Table 7a
Data Completeness Report
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Method	Analytical Parameter	Non-Detects	Hits	Rejects	Total	Estimated Hits	Percent Estimated (Hits Only)	Percent Rejected
MCAWW310-1	Alkalinity	0	25	0	25	---	---	0.0
SW9045C	pH-Soil	0	84	0	84	---	---	0.0
Lloyd Kahn	Total Organic Carbon-soil	0	84	0	84	---	---	0.0
SW9060	Total Organic Carbon-water	10	15	0	25	---	---	0.0
MCAWW160-1	Total Dissolved Solids	0	25	0	25	---	---	0.0
MCAWW160-2	Total Suspended Solids	19	6	0	25	---	---	0.0
MCAWW325-3	Chloride	0	25	0	25	---	---	0.0
MCAWW350-1	Nitrogen, Ammonia	22	3	0	25	---	---	0.0
MCAWW351-	Nitrogen, Total Kjeldahl (TKN)	21	4	0	25	---	---	0.0
MCAWW353-1	Nitrate	1	24	0	25	---	---	0.0
MCAWW353-2	Nitrite	21	4	0	25	---	---	0.0
SM2540B	Hardness	0	44	0	44	---	---	0.0
MCAWW375-	Sulfate	20	30	0	50	---	---	0.0
MCAWW376-	Sulfide	20	30	0	50	---	---	0.0
ILM05.4	Inorganic Analytes (AES)	725	287	0	1012	---	---	0.0
SOM01.2 - SIM	Trace Volatile Organic Analysis - water	80	0	0	80	---	---	0.0
SOM01.2	Volatile Organic Analysis - water	1911	333	0	2244	200	8.9	0.0
SOM01.2	Volatile Organic Analysis - soil	13485	706	316	14507	375	2.6	2.2
RSK SOP147	Methane, Ethane, Ethene	50	25	0	75	---	---	0.0
	Totals	**16385**	**1754**	**316**	**18455**	**575**	**3.1**	**1.7**

Percent of all Data Rejected	1.71	
Percent of all VOCs Rejected	1.9	
Percent of all Hits Estimated	3.1	(does not include estimated non-detect data)
Percent complete (judged valid)	98.29	(Includes all estimated data)

Notes:
The counts and calculations above do not include field or triip blank samples only environmental samples.

AES = atomic emission spectroscopy
SIM = selective ion monitoring

Table 7b

Rejection Summary

Table 7b
Rejection Summary
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Sample_Name	Sample_Date	Volatile Organic Compound Name	Result	Unit
RMSB-22-D	06/02/10	1,1,1-Trichloroethane	1000	µg/kg
RMSB-22-D	06/02/10	1,1,2,2-Tetrachloroethane	410	µg/kg
RMSB-22-D	06/02/10	1,1,2-Trichloro-1,2,2-trifluoroethane	1000	µg/kg
RMSB-22-D	06/02/10	1,1,2-Trichloroethane	1000	µg/kg
RMSB-22-D	06/02/10	1,1-Dichloroethane	1000	µg/kg
RMSB-22-D	06/02/10	1,1-Dichloroethene	1000	µg/kg
RMSB-22-D	06/02/10	1,2,3-Trichlorobenzene	1000	µg/kg
RMSB-22-D	06/02/10	1,2,4-Trichlorobenzene	1000	µg/kg
RMSB-22-D	06/02/10	1,2-Dibromo-3-chloropropane	1000	µg/kg
RMSB-22-D	06/02/10	1,2-Dibromoethane	1000	µg/kg
RMSB-22-D	06/02/10	1,2-Dichlorobenzene	1000	µg/kg
RMSB-22-D	06/02/10	1,2-Dichloroethane	1000	µg/kg
RMSB-22-D	06/02/10	1,2-Dichloropropane	1000	µg/kg
RMSB-22-D	06/02/10	1,3-Dichlorobenzene	1000	µg/kg
RMSB-22-D	06/02/10	1,4-Dichlorobenzene	1000	µg/kg
RMSB-22-D	06/02/10	2-Butanone	2000	µg/kg
RMSB-22-D	06/02/10	2-Hexanone	2000	µg/kg
RMSB-22-D	06/02/10	4-Methyl-2-pentanone	2000	µg/kg
RMSB-22-D	06/02/10	Benzene	1000	µg/kg
RMSB-22-D	06/02/10	Bromodichloromethane	1000	µg/kg
RMSB-22-D	06/02/10	Bromoform	1000	µg/kg
RMSB-22-D	06/02/10	Bromomethane	1000	µg/kg
RMSB-22-D	06/02/10	Carbon Disulfide	1000	µg/kg
RMSB-22-D	06/02/10	Carbon Tetrachloride	1000	µg/kg
RMSB-22-D	06/02/10	Chlorobenzene	1000	µg/kg
RMSB-22-D	06/02/10	Chlorobromomethane	1000	µg/kg
RMSB-22-D	06/02/10	Chloroethane	1000	µg/kg
RMSB-22-D	06/02/10	Chloroform	1000	µg/kg
RMSB-22-D	06/02/10	Chloromethane	1000	µg/kg
RMSB-22-D	06/02/10	cis-1,3-Dichloropropene	410	µg/kg
RMSB-22-D	06/02/10	Cyclohexane	1000	µg/kg
RMSB-22-D	06/02/10	Dibromochloromethane	1000	µg/kg
RMSB-22-D	06/02/10	Dichlorodifluoromethane	1000	µg/kg
RMSB-22-D	06/02/10	Ethylbenzene	1000	µg/kg
RMSB-22-D	06/02/10	Isopropylbenzene	1000	µg/kg
RMSB-22-D	06/02/10	m,p-Xylene	1000	µg/kg
RMSB-22-D	06/02/10	Methyl Acetate	1000	µg/kg
RMSB-22-D	06/02/10	Methyl tert-Butyl Ether	1000	µg/kg
RMSB-22-D	06/02/10	Methylcyclohexane	1000	µg/kg
RMSB-22-D	06/02/10	o-Xylene	1000	µg/kg
RMSB-22-D	06/02/10	Styrene	1000	µg/kg
RMSB-22-D	06/02/10	trans-1,2-Dichloroethene	1000	µg/kg
RMSB-22-D	06/02/10	trans-1,3-Dichloropropene	410	µg/kg
RMSB-22-D	06/02/10	Trichlorofluoromethane	1000	µg/kg
RMSB-22-D	06/02/10	Vinyl Chloride	1000	µg/kg

Notes:

1. 271 out of 278 1,4-dioxane results were also rejected (96.8%)

2. In sample RMSB-22-D [B84F8], 86.5% of the VOC results were rejected.

3. In summary, 1,4-dioxane in the majority of samples and most of the VOC results in sample RMSB-22-D accounted for all the rejected data in the Stage 2 sampling events.

µg/kg = microgram per kilogram

Appendix J-3 – Stage 2a Data Usability Report

Data Quality Assessment

1.0 Sampling Summary

CDM Federal Programs Corporation (CDM Smith) performed field activities to support the Remedial Investigation (RI) / Feasibility Study (FS) at the Cidra Groundwater Contamination Site (the Site), Stage 2 Field Investigation. The purpose of this assessment is to evaluate the usability of the data collected and to determine whether they meet the quality objectives and user requirements outlined in the Cidra Groundwater Contamination Site, Stage 2 Field Investigation Final Quality Assurance Project Plan (Final QAPP) (CDM Smith 2010).

Sampling activities occurred from May 30, 2012 to June 5, 2012. This consisted of groundwater, surface water, and sediment sampling. Table 1 summarizes the samples collected and lists the methods used to analyze the samples. Samples were collected and shipped to the following laboratories for analysis: EPA Contract Laboratory Program (CLP) laboratories, A4 Scientific, Inc. and Bonner Analytical Testing Company, and the EPA laboratory, Division of Environmental Science and Assessment (DESA).

2.0 Usability Summary

Table 2, the Data Usability Worksheet, discusses the field sampling, data validation procedures, and summarizes the achievement of the data quality objectives. Only the final qualified data will be presented in the RI Report and other reports pertaining to the site. Data that did not meet quality control (QC) criteria were appropriately qualified during data validation as "J" estimated and usable, "UJ" usable but non-detect, or as "R" rejected and not usable.

During data validation approximately 43 percent of the metal results were rejected mostly due to failure of laboratory duplicate and inductively coupled plasma (ICP) serial dilution criteria.

a. Ninety-three (93) metal results were rejected due to laboratory duplicate imprecision.
b. Two lead results were rejected due to ICP serial dilution imprecision.

The data generated during the RI investigation are considered definitive data generated under a United States Environmental Protection Agency (EPA) approved QAPP, following EPA methods and validated according to EPA Region 2 Guidelines and the CDM Smith standard operating procedure (SOP). Data qualified as rejected during validation are not usable for any purpose. All other data results may be used for their intended purpose during the RI data evaluation, qualified data the a) are outliners, b) are near the edge of contaminated areas, or c) are suspect concentrations based on historical information, duplicate data, or multiple lines of evidence, will be further assessed to determine their usability as inputs for project decisions. The impact of the rejected data is further discussed under the Completeness section of Table 2 and within project reports as appropriate.

The final percentages of valid data are: groundwater 98.92 percent, surface waters 99.49 percent, and sediments 89.40 percent. The rejected data should not be used for project decisions pending further assessment during RI evaluation. The ninety percent completeness goal for usable data has been met.

3.0 Data Quality Indicators (DQI)

QC parameters evaluated in the data review/validation and the corresponding data quality indicators (DQIs) are summarized in Table 2. Sample results were reviewed using Level IV evaluation. Geotechnical parameters were not validated.

Precision, accuracy, representativeness, comparability, completeness, and sensitivity are used as DQIs. These DQIs provide a mechanism for evaluating and measuring data quality throughout the project. Achievement of the project's quality objectives were measured from the DQI results assessed against their measurement performance criteria. Worksheets #12 and 28 of the Final QAPP show the measurement performance criteria. These criteria are defined and their results discussed in the appropriate sections of Table 2.

Data failing QC criteria were appropriately qualified as estimated non-detect or rejected during data validation. All data reported herein are usable with the data validation qualifiers added except for rejected data. During the data evaluation, some usable data may be rejected or re-coded in terms of use and the type of site decisions.

4.0 Data Validation Qualifiers

The following qualifiers were used with the reported data.

Qualifiers:

J	-	Estimated data due to exceeded quality control criteria.
R	-	Data is rejected due to exceeded quality control criteria.
U	-	Compound was analyzed for but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	Estimated non-detect data due to exceeded quality control criteria.

5.0 Acronyms

ABS	absolute difference
CCB	continuing calibration blank
CDM Smith	CDM Federal Programs Corporation
CLP	contract laboratory program
CN	cyanide
CRQL	contract required quantitation limit
DESA	Division of Environmental Science and Assessment
DMC	deuterated monitoring compounds
DQI	data quality indicator
EPA	(United States) Environmental Protection Agency
FB	field blank
FCR	field change request
FD	field duplicate
FS	feasibility study
GC/MS	gas chromatography/mass spectrometry
HDPE	high density polyethylene
ICB	initial calibration blank
ICP	inductively coupled plasma
ID	identification
IS	internal standards
kg	kilogram
L	liter
LCS	laboratory control sample
µg	microgram
MEE	methane, ethane, ethene
mg	milligram
ml	milliliter
MS	matrix spike
MSD	matrix spike duplicate
MRLs	method reporting limits
NA	not applicable
NC	not calculable
PAL	project action limit
Percent R	percent recovery
Percent RSD	percent relative standard deviation
Percent D	percent difference
QA/QC	quality assurance/quality control
QAPP	quality assurance project plan
rev	revision
RI	remedial investigation
RPD	relative percent difference
RSD	relative standard deviation
RRF	relative response factor
SE	sediment
SOP	standard operating procedure
SOW	scope of work

TB	trip blank
TCL	target compound list
TDS	total dissolved solids
TKN	Total Kjeldahl Nitrogen
TOC	total organic carbons
TSS	total suspended solids
VOC	volatile organic compound
WG	groundwater
WS	surface water
WQ	water quality

6.0 References

CDM Federal Programs Corporation (CDM Smith). 2010. Final Quality Assurance Project Plan. Cidra Groundwater Contamination Superfund Site, Stage 2 Field Investigation. Cidra, Puerto Rico. March 18.

Data Validation Procedures (EPA Region 2 protocols)
Environmental Protection Agency. 2009. Region I2I Standard Operating Procedures (SOP) No. HW-33. Data Validation SOP for Organic Analysis of Low/Medium Concentration VOCs under SOW SOM01.2. Revision 1. August.

_____. 2009. Region II SOP No. HW-34. Data Validation SOP for Organic Analysis of Trace Concentration VOCs under SOW SOM01.2. Revision 1. August.

_____. 2009. Region II SOP No. HW-2. Revision 13 - Evaluation of Metals Data for the Contract Laboratory Program. February.

CDM Smith. 2001. Standard Operating Procedure USEPA Methods for General Chemistry. Document No. SOP CDM-029A, Rev 0. July.

Analytical Methodologies
EPA. 2007. Multi-media, Multi-Concentration, Organic Analytical Service for Superfund. SOM01.2. June.

EPA. 2010. Multi-media, Multi-Concentration, Inorganic Analysis Service for Superfund. Document No. ISM01.2. January.

EPA. 1983 Revision. Methods for the Chemical Analysis of Water and Wastes (EPA). EPA-600/4-79-020. March.

EPA. SW-846 9060. Determination of “Total Organic Carbon”.

EPA. SM2540C,D. Standard Methods for the Examination of Water and Wastewater. 19th Edition.

American Public Health Association, American Water Works Association, and Water Environment Federation. 1995. Standard Methods for the Examination of Water and Wastewater. 19th Edition.

ASTM D421-85. 2002. Standard Practice for Dry Preparation of Soil Samples.

ASTM D422-63. 2002. Standard Test Method for Particle-Size Analysis of Soils.

Division of Environmental Science and Assessment (DESA) Method SOP C-18. 2007. Alkalinity, Rev 2.0. March.

_____. Method SOP C-94. 2007. Sulfate, Rev 2.0, 3/07, Anions by Ion Chromatography, Rev 2.0. March.

_____. Method SOP C-94. 2007. Chloride, Rev 2.0, 3/07, Anions by Ion Chromatography, Rev 2.0. March.

_____. Method SOP C-24. 2007. pH, Rev 2.0. March.

_____. Method SOP C-33. 2007. Total Suspended Solids (TSS)/Volatile Suspended Solids(VSS), Rev 2.0. February.

_____. Method SOP C-37. 2007. Total Dissolved Solids (TDS), Rev 2.0. February.

_____. Method SOP C-40. 2007. TKN, Rev 2.0. February.

_____. Method SOP C-79. 2006. Nitrite, Nitrate, Nitrite+ Nitrate Rev 2.0, 2/07, Anions by Ion Chromatography, Rev 2.0, December.

_____. Method SOP C-80. 2006. Ammonia, Rev 2.0. December.

_____. Method SOP C-83. 2007. Total Organics in Aqueous, Rev 2.0. March.

_____. Method SOP C-88. 2005. Total Organics in Soil, Rev 1.0. January.

_____. Method SOP C-115. 2007. Sulfide, Rev 1.0. March.

Table 1

Sample Summary

Table 1
Sample Summary
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Sample ID	Matrix	Sample Type	Sample Date	VOC	METALS	MEE	TOC	TDS	TSS	Alkalinity	Chlorine	Ammonia	TKN	Nitrate	Nitrite	Sulfate	Sulfide	pH	Grain size
SD-1	SE		6/1/2012	52	24		1											1	9
SD-2	SE		6/1/2012	52	24		1											1	7
SD-3	SE		5/31/2012	52	24		1											1	7
SD-23	SE	Field Duplicate of SD-3	5/31/2012	52	24		1											1	8
SD-4	SE		5/31/2012	52	24		1											1	8
SD-5	SE		5/31/2012	52	24		1											1	7
SD-6	SE		5/31/2012	52	24		1											1	8
SD-7	SE		5/30/2012	52	24		1											1	8
SD-8	SE		5/30/2012	52	24		1											1	7
SD-9	SE		5/30/2012	52	24		1											1	8
SD-10	SE		5/30/2012	52	24		1											1	8
SMW-4-S2a	WG		6/1/2012	51	23														
SMW-6-S2a	WG		6/5/2012	51	23														
SMW-7-S2a	WG		6/5/2012	51	23														
SMW-8-S2a	WG		6/5/2012	51	23														
SMW-28-S2a	WG	Field Duplicate of SMW-8-S2a	6/5/2012	51	23														
SW-1	WS		6/1/2012	51	23	3	1	1	1	1	1	1	1	1	1	1	1		
SW-2	WS		6/1/2012	51	23	3	1	1	1	1	1	1	1	1	1	1	1		
SW-3	WS		5/31/2012	51	24	3	1	1	1	1	1	1	1	1	1	1	1		
SW-4	WS		5/31/2012	51	24	3	1	1	1	1	1	1	1	1	1	1	1		
SW-5	WS		5/31/2012	51	24	3	1	1	1	1	1	1	1	1	1	1	1		
SW-6	WS		5/31/2012	51	24	3	1	1	1	1	1	1	1	1	1	1	1		
SW-7	WS		5/30/2012	51	24	3	1	1	1	1	1	1	1	1	1	1	1		
SW-27	WS	Field Duplicate of SW-7	5/30/2012	51	24	3	1	1	1	1	1	1	1	1	1	1	1		
SW-8	WS		5/30/2012	51	24	3	1	1	1	1	1	1	1	1	1	1	1		
SW-9	WS		5/30/2012	51	24	3	1	1	1	1	1	1	1	1	1	1	1		
SW-10	WS		5/30/2012	51	24	3	1	1	1	1	1	1	1	1	1	1	1		
FB-MW-02	WQ	Field Blank	6/1/2012	51	23														
FB-MW-03	WQ	Field Blank	6/5/2012	51	23														
FB-SD-01	WQ	Field Blank	5/30/2012	51	24		1												
TB-MW-04	WQ	Trip Blank	6/5/2012	51															
TB-SW-01	WQ	Trip Blank	5/30/2012	51		3													
TB-SW-02	WQ	Trip Blank	5/31/2012	51		3													
TB-SW-03	WQ	Trip Blank	6/1/2012	51		3													

Table 1
Sample Summary
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Notes:

1. The number of samples is estimated because the same number of compounds is not reported for some parameters.
2. Numbers in the grid represent the number of compounds reported in each analytical group.
3. Mercury and cyanide are include in the total number of metals.

Abbreviations:

CN = Cyanide
DESA = Division of Environmental Science and Assessment
FB = Field blank
FD = Field duplicate
ID = Identification
MEE = Methane, ethane, ethene
NA = Not applicable
SE = sediment
SOP = Standard operating procedure
TB = Trip blank
TDS = Total dissolved solids
TKN = Total Kjeldahl Nitrogen
TOC = Total organic carbon
TSS = Total suspended solids
VOC = Volatile organic compound
WG = Groundwater
WQ = Water quality
WS = Surface water

Parameter	Method	Parameter	Method
Alkalinity	SM2320B / SOP C-18	Nitrite	EPA 353.2 / SOP C-79
Ammonia	EPA 350.1 / SOP C-80	pH	SM4500-H B / SOP C-24
Chloride/Sulfate/Bromide	EPA 300.0/ SOP C-94	Sulfide	HACH 8023 / SOP C-96
Cyanide	ISM01.3	TDS	SM2540 C / SOP C-37
Grain size	ASTM D422-63 / BIO 8.3	TKN	EPA 351.2 / SOP C-40
MEE	EPA RSK-175 / SOP C-124	TOC (Aqueous)	SM5310
Mercury	ISM01.3	TOC (Soil)	EPA 415.1mod / SOP C-88
Metals	ISM01.3	TSS	SM2540 D / SOP C-33
Nitrate	EPA 353.2 / SOP C-79	Volatile organic compounds	SOM01.2

The methods listed above are those included in the electronic data deliverables from the laboratories and are based on SOPs consistent with the QAPP requested methods. DESA used their internal lab SOPs.

Table 2

Data Usability Worksheet

Table 2 - DATA USABILITY WORKSHEET
Site: Cidra Groundwater Contamination Site
Media: Groundwater, Surface Water, and Sediment

Data Quality Indicators (DQIs) and Corresponding Quality Control (QC) Parameters review during data evaluation and/or data validation.

Data Quality Indicators	QC Parameters Evaluated in Data Review/Validation
Precision	Relative Percent Difference (RPD) or percent difference (Percent D) values of: 1) Laboratory Control sample (LCS)/LCS duplicate 2) Matrix Spike/Matrix Spike Duplicate (MS/MSD) 3) Laboratory and Field duplicates Relative Standard Deviation (RSD) values of: 1) Initial calibration verifications
Accuracy/Bias	Percent Recovery (Percent R) values of: 1) Initial calibration and continuing calibration verification 2) LCS/LCSD 3) MS/MSD 4) Surrogate spikes 5) Serial dilution (Inductively Coupled Plasma [ICP] metals) 6) ICP inter-element interference check samples 7) Internal standards (Percent R and retention times) 8) Mass Spectrometer Resolution and tuning Results of: 1) Instrument and calibration blanks 2) Method (preparation) blanks 3) Trip blanks 4) Equipment rinsate blanks 5) Temperature blanks
Representativeness	Results of all blanks Sample integrity (Chain-of Custody and sample receipt forms) Holding times Compound identification (retention times, mass spectra, dual column confirmation) Sample extract cleanup
Comparability	Sample-specific method reporting limits (MRLs) Sample collection methods Laboratory analytical methods
Completeness	Data qualifiers Laboratory deliverables Requested/reported valid results Field sample collection (primary and QC samples) Contract compliance (i.e., method and instrument QC within limits)
Sensitivity	Sample MRLs Sample extract cleanup Adequacy of sample dilution Instrument Sensitivity Test

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Table 2 - DATA USABILITY WORKSHEET
Site: Cidra Groundwater Contamination Site
Media: Groundwater, Surface Water, and Sediment

Activity	Comment
Field Sampling	
Discuss sampling problems and field conditions that affect data usability.	CDM Smith implemented eight field change requests (FCRs) which were discussed in the December 2010 Data Quality Summary Assessment Report. No additional FCRs were issued. Several FCRs documenting changes to the field program outlined in the Final QAPP were implemented during the Stage 1 investigation. FCRs-2 through 8 were not utilized during Stage 2; only FCR-1 was used during Stage 2: FCR-1 dated November 9, 2007 addressed the use of a high density polyethylene (HDPE) syringe type device for collection of soil samples for target compound list (TCL) VOCs analysis. This FCR improved the quality of the data collected by decreasing the disturbance of the soil and minimizing VOC loss, increasing sampling efficiency and speed and decreasing cross-contamination.
Are samples representative of receptor exposure for this medium (e.g. sample depth, grab versus composite, filtered versus unfiltered, low flow, etc.)?	Sample representativeness was achieved by CDM Smith through the use of United States Environmental Protection Agency (EPA) Contract Laboratory Program (CLP) and standard EPA-approved analytical methods, Region 2 requirements, decontaminated sampling equipment, the use of inert materials to collect samples, clean sample gloves, and standard sampling procedures. Samples were kept at 0 to 6 degrees Celsius and received intact at the laboratories with the exceptions noted in the data validation reports. The generally low concentrations of blank contaminants are an indication that sample results are representative of the site conditions. In addition, the sampling design was developed to collect data representative of site conditions.
Assess the effect of field quality control (QC) results on data usability.	**Trip Blanks** – One or two contaminants were detected in all four trip blanks. All detections were below the contract required quantitation limits (CRQLs). Although these compounds were detected in the blanks no actions were required by the validator. **Field/Rinsate Blanks** – All three field blanks have contaminant concentrations less than five times the CRQL. These detections affected some sample metal results, which were qualified non-detect "U" by the data validator. In addition, nine antimony results were rejected. A few other detections were below the blank action limits but no action was taken since they did not impact the sample results. Field duplicate samples are discussed in the precision section on page 5 below. All of the groundwater, surface water, and sediment field duplicate results met the Final QAPP project-specific precision criteria. This indicates that the data has good precision and are usable.
Summarize the effect of field sampling issues on the data assessment, if applicable.	None.

Table 2 - DATA USABILITY WORKSHEET
Site: Cidra Groundwater Contamination Site
Media: Groundwater, Surface Water, and Sediment

Activity	Comment
Analytical Techniques	
Were the analytical methods appropriate for quantitative data assessment?	Yes. The analytical methods used for the groundwater, surface water, and sediment samples were appropriate for the RI. A list of methods is included on Table 1, the Sampling Summary. In addition, modifications to the EPA CLP methods, Statement of Work (SOW) SOM01.2 or ISM01.3 were applied to achieve lower limits to meet the Final Quality Assurance Project Plan (QAPP) objectives.
Were detection limits adequate?	Selected methods had detection limits low enough to compare the data with applicable QAPP criteria except for a few compounds. These compounds were identified in the Final QAPP as problematic in achieving project action limits (PALs). The PALs listed were derived from EPA and Puerto Rico criteria as detailed on QAPP worksheet #15. These PALs and quantitation limit goals were reviewed against the methods to ensure that contaminants of interest meet the lowest available method reporting limits for the Cidra Groundwater Contamination Site, Stage 2 Field Investigation. For the groundwater samples, one volatile organic compound (VOC) result for 1,2-Dibromo-3-chloropropane has a limit above the PALs. For the surface water samples two VOCs and five metal (including mercury and cyanide) results have limits above the PALs listed in the Final QAPP. For the sediment samples, three VOCs, and three metal (including cyanide) results have limits above the PALs listed in the Final QAPP. All reporting limits that exceeded their PALs are a result of limits which are unachievable by the laboratory or were not included in an existing modified analysis. All other reporting limits were at or below the QAPP listed PALs, and the data are usable for their intended data uses. The data user is cautioned to re-evaluate the sample reporting limits against the final approved RI criteria, risk assessment criteria, and any other established criteria.
Summarize the effect of analytical technique issues on the data assessment, if applicable.	**Analytical Blank -** Laboratory method blanks had detections resulting in qualification of VOCs and metals sample results. Associated sample results were appropriately qualified as estimated or non-detect. **Deuterated Monitoring Compounds** – Several deuterated monitoring compounds (DMCs) exceeded QC criteria. This affected VOC sample results which were estimated by the data validator. **Percent Relative Standard Deviation (Percent RSD) and Percent Difference (Percent D)** - Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean relative response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. A value outside of these limits indicates potential detection and quantitation errors. Percent RSD and/or percent D recoveries were outside control limits for VOCs standards results. Some of the associated samples results were estimated by the data validator.

Table 2 - DATA USABILITY WORKSHEET
Site: Cidra Groundwater Contamination Site
Media: Groundwater, Surface Water, and Sediment

Activity	Comment
	Internal Standards (IS) - IS performance criteria ensure that the gas chromatography/mass spectrometry (GC/MS) sensitivity and response are stable during every analytical run. One VOC result had IS outside criteria and was estimated. **Initial/Continuing Calibration Blanks (ICB/CCB) –** Metals samples were estimated due to initial/continuing calibration blanks (ICB/CCB) contaminants. **Other Problems** - Several sample results did not meet criteria for other problems identified below. This affected VOC samples which were qualified as estimated by the data validator. One reoccurring issue was identified in the data validation reports: ■ Several VOC compounds have been qualified and reported from the initial analysis since both the initial results and dilution value were over the calibration range. **Inductively Coupled Plasma (ICP) Serial Dilution (Inorganics)** - Several ICP serial dilutions did not yield acceptable percent D. Three arsenic results were estimated and two lead results were rejected.
Reconciliation of Data Quality Objectives	
Precision - How were duplicates handled?	Field duplicates were collected as co-located samples. A criterion of 50 percent RPD applied when both results were greater than five times the CRQL. For all other data the absolute difference (ABS) should be equal to or less than five times the CRQL. As shown on Tables 3-1 to 3-3, all of the groundwater, surface water, and sediment field duplicate results met the Final QAPP project-specific precision criteria. **Data Validation Action** – Several metals results were above the validation criteria in the field duplicate sample pairs and were qualified estimated by the data validator. **Matrix Spike/Matrix Spike Duplicate** (**MS/MSD)** or **Laboratory Duplicate** –Several MS/MSDs or laboratory duplicates did not meet QC criteria. The MS/MSD and laboratory duplicate results affected sample metals results, which were qualified as estimated by the data validator. Two antimony, lead, and selenium sample results were rejected for due to MS/MSD criteria. Ninety-three (93) results were rejected due to laboratory duplicate criteria.
Accuracy - How were split samples handled?	Splits samples were not collected.

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Table 2 - DATA USABILITY WORKSHEET
Site: Cidra Groundwater Contamination Site
Media: Groundwater, Surface Water, and Sediment

Activity	Comment
Reconciliation of Data Quality Objectives (continued)	
Representativeness - Indicate any problems associated with data representativeness (e.g., trip blank or rinsate blank contamination, chain of custody problems, etc.).	**Trip Blanks** 2-Hexanone and methylene chloride were detected in trip blanks below the CRQL (Table 4-1). Although these compounds were detected in the trip blanks they were not detected in the associated samples, therefore no qualifications were assigned by the validator. **Field Blanks** No action was required for compounds detected in at least one field blank below or at their respective CRQLs (Table 4-2). VOC (methylene chloride) and metals (antimony, chromium, manganese, nickel, and vanadium) samples were detected at or above their CRQLs in one or more field blank. These compounds were qualified "U" in the associated samples as required. Even though methylene chloride was detected in the blanks it was not detected in the associated samples, therefore no qualifications were required by the validator.
Completeness - Indicate any problems associated with data completeness (e.g., incorrect sample analysis, incomplete sample records, problems with field procedures, etc.).	Completeness of the data set achieved by CDM Smith is presented in Tables 5-1 to 5-3. It is important to note that the values reported as estimated hits, "J", include only those data that are estimated detected results, not estimated non-detect results, "UJ", and neither does it include QC samples. The list of samples collected and parameters analyzed are shown on Table 1. For data collected and judged to be valid, ▪ Groundwater results had a completeness value of approximately 99 percent ▪ Surface water results had a completeness value of approximately 99 percent ▪ Sediment results had a completeness value of approximately 89 percent The overall goal was to generate a complete data set for at least 90 percent of the samples planned for collection and 90 percent valid data from the samples analyzed. Therefore, CDM Smith achieved data completeness and usability established in the Final QAPP. The data validation narratives indicate that the sample analyses generally met the QC criteria cited in the methods with the exceptions noted in the data validation narratives. Results associated with QC outliers were appropriately qualified as rejected, estimated or as non-detect by data validators. These estimated data are usable for the intended project purposes. Approximately one percent of groundwater, less than one percent of surface water, and 11 percent of the sediment samples were rejected. Forty-three percent of metal results in groundwater, surface water and soil were rejected overall mostly due laboratory duplicate and ICP serial dilution criteria. These rejected data are not usable for the project objectives. All 100 percent of the planned parameter samples were collected. The data completeness will be further discussed in the project RI report.

Table 2 - DATA USABILITY WORKSHEET
Site: Cidra Groundwater Contamination Site
Media: Groundwater, Surface Water, and Sediment

Activity	Comment
Comparability - Indicate any problems associated with data comparability.	No problems were associated with data comparability.
Were the DQOs specified in the QAPP satisfied?	Yes, the DQOs identified in the QAPP were satisfied.
Summarize the effect of DQO issues on the data assessment, if applicable.	There are no DQO issues that should affect data usability.
Data Validation and Interpretation	
What are the data validation requirements?	Page 1 of this table shows the DQIs and Corresponding QC Parameters and the specific topics covered by the data validation review.
What method or guidance was used to validate the data?	The data validation criteria in the QAPP were applied: Standard operating procedures (SOP) HW-33, revision (rev) 2, SOP HW-34, rev 1 HW-2, rev 13, and DESA SOP
Was the data validation method consistent with guidance? Discuss any discrepancies.	Yes. The data validation methods were consistent with regional guidance.
Were all data qualifiers defined? Discuss those which were not.	Yes. All data qualifiers were defined.
Which qualifiers represent usable data?	J, U, and UJ (Pending further assessment during RI evaluation).
Which qualifiers represent unusable data?	R (Pending further assessment during RI evaluation)
How are tentatively identified compounds handled?	These data were not evaluated under this study.
Summarize the effect of data validation and interpretation issues on the data assessment, if applicable.	Unusable data qualified with an "R" will not be used unless during the RI evaluation other lines of evidence dictate that the data may be used (see above). All other data, both qualified and unqualified will be used. Qualified data that are located at critical locations such as those at the edge of concentration plumes or boundaries or qualified data that do not correlate with neighboring sample points will be re-examined during the RI data evaluation and discussed in the RI Report.

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Table 2 - DATA USABILITY WORKSHEET
Site: Cidra Groundwater Contamination Site
Media: Groundwater, Surface Water, and Sediment

Activity	Comment
Additional notes:	None.

Note: This Worksheet summarizes the data usability analysis and conclusions. Refer to specific pages in the Remedial Investigation and/or the Risk Assessment report for more details on the data usability presented here.

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Table 3
Field Duplicate Results

Table 3-1: Groundwater Field Duplicate Results
Table 3-2: Surface Water Field Duplicate Results
Table 3-3: Sediment Field Duplicate Results

Table 3-1
Groundwater Field Duplicate Results
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Chemical Name	5 x CRQL	Unit	SMW-28-S2a 6/5/2012		SMW-8-S2a 6/5/2012		RPD	ABS
Volatile Organic Carbon								
1,1,1-Trichloroethane	2.5	µg/L	0.5	U	0.5	UJ	NC	NA
1,1,2,2-Tetrachloroethane	1	µg/L	0.2	U	0.2	U	NC	NA
1,1,2-Trichloro-1,2,2-trifluoroethar	2.5	µg/L	0.5	U	0.5	UJ	NC	NA
1,1,2-Trichloroethane	1	µg/L	0.2	U	0.2	U	NC	NA
1,1-Dichloroethane	2.5	µg/L	0.5	U	0.5	U	NC	NA
1,1-Dichloroethene	2.5	µg/L	0.5	U	0.5	U	NC	NA
1,2,3-Trichlorobenzene	2.5	µg/L	0.5	U	0.5	U	NC	NA
1,2,4-Trichlorobenzene	2.5	µg/L	0.5	U	0.5	U	NC	NA
1,2-Dibromo-3-chloropropane	1	µg/L	0.2	U	0.2	U	NC	NA
1,2-Dibromoethane	1	µg/L	0.2	U	0.2	U	NC	NA
1,2-Dichlorobenzene	2.5	µg/L	0.5	U	0.5	U	NC	NA
1,2-Dichloroethane	1	µg/L	0.2	U	0.2	U	NC	NA
1,2-Dichloropropane	1	µg/L	0.2	U	0.2	U	NC	NA
1,3-Dichlorobenzene	2.5	µg/L	0.5	U	0.5	U	NC	NA
1,4-Dichlorobenzene	1	µg/L	0.2	U	0.2	U	NC	NA
2-Butanone	25	µg/L	5	U	5	U	NC	NA
2-Hexanone	25	µg/L	5	U	5	U	NC	NA
4-Methyl-2-pentanone	25	µg/L	5	U	5	U	NC	NA
Acetone	25	µg/L	5	U	5	U	NC	NA
Benzene	1	µg/L	0.12	J	0.2	U	NC	0.08
Bromodichloromethane	2.5	µg/L	0.5	U	0.5	U	NC	NA
Bromoform	2.5	µg/L	0.5	U	0.5	U	NC	NA
Bromomethane	2.5	µg/L	0.5	U	0.5	U	NC	NA
Carbon Disulfide	2.5	µg/L	0.5	U	0.5	U	NC	NA
Carbon Tetrachloride	1	µg/L	0.2	U	0.2	U	NC	NA
Chlorobenzene	2.5	µg/L	0.5	U	0.5	U	NC	NA
Chlorobromomethane	2.5	µg/L	0.5	U	0.5	U	NC	NA
Chloroethane	2.5	µg/L	0.5	U	0.5	U	NC	NA
Chloroform	1	µg/L	0.34		0.4		NA	0.06
Chloromethane	2.5	µg/L	0.5	U	0.5	U	NC	NA
cis-1,2-Dichloroethene	2.5	µg/L	0.5	U	0.5	U	NC	NA
cis-1,3-Dichloropropene	2.5	µg/L	0.5	U	0.5	U	NC	NA
Cyclohexane	2.5	µg/L	0.5	U	0.5	U	NC	NA
Dibromochloromethane	2.5	µg/L	0.5	U	0.5	U	NC	NA
Dichlorodifluoromethane	2.5	µg/L	0.5	U	0.5	U	NC	NA
Ethylbenzene	2.5	µg/L	0.5	U	0.5	U	NC	NA
Isopropylbenzene	2.5	µg/L	0.5	U	0.5	U	NC	NA
m,p-Xylene	2.5	µg/L	0.5	U	0.5	U	NC	NA
Methyl Acetate	2.5	µg/L	0.5	U	0.5	UJ	NC	NA
Methyl tert-Butyl Ether	2.5	µg/L	0.5	U	0.5	UJ	NC	NA
Methylene Chloride	2.5	µg/L	0.5	U	0.5	UJ	NC	NA
Metylcyclohexane	2.5	µg/L	0.5	U	0.5	U	NC	NA
o-Xylene	2.5	µg/L	0.5	U	0.5	U	NC	NA
Styrene	2.5	µg/L	0.5	U	0.5	U	NC	NA
Tetrachloroethene	1	µg/L	0.2	U	0.1	J	NC	0.1
Toluene	2.5	µg/L	0.5	U	0.5	U	NC	NA
trans-1,2-Dichloroethene	2.5	µg/L	0.5	U	0.5	U	NC	NA
trans-1,3-Dichloropropene	1	µg/L	0.2	U	0.2	U	NC	NA
Trichloroethene	2.5	µg/L	0.5	U	0.5	U	NC	NA
Trichlorofluoromethane	2.5	µg/L	0.5	U	0.5	UJ	NC	NA
Vinyl Chloride	1	µg/L	0.2	U	0.2	U	NC	NA
Metals								
Aluminum	100	µg/L	404		390		3.53	NA
Antimony	10	µg/L	4.7	R	4.9	R	NC	NA
Arsenic	5	µg/L	0.54	J	0.49	J	NA	0.05
Barium	50	µg/L	17.2		17.2		NA	0
Beryllium	5	µg/L	1	U	1	U	NC	NA

Table 3-1
Groundwater Field Duplicate Results
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Chemical Name	5 x CRQL	Unit	SMW-28-S2a 6/5/2012		SMW-8-S2a 6/5/2012		RPD	ABS
Cadmium	5	µg/L	1	U	1	U	NC	NA
Calcium	2500	µg/L	63300		61800		2.40	NA
Chromium	10	µg/L	6.4		6.4		NA	0
Cobalt	5	µg/L	1.6	J	1.6	J	NA	0
Copper	10	µg/L	2.5	J	2.6	J	NA	0.1
Iron	1000	µg/L	531		514		NA	17
Lead	5	µg/L	0.15	J	0.15	J	NA	0
Magnesium	2500	µg/L	37900		37000		2.40	NA
Manganese	5	µg/L	1330		1240		7.00	NA
Mercury	1	µg/L	0.2	U	0.2	U	NC	NA
Nickel	0	µg/L	12.7		13		2.33	NA
Potassium	2500	µg/L	1720		1690		NA	30
Selenium	25	µg/L	0.54	J	0.72	J	NA	0.18
Silver	5	µg/L	1	U	1	U	NC	NA
Sodium	2500	µg/L	44500		44200		0.68	NA
Thallium	5	µg/L	1	U	1	U	NC	NA
Vanadium	25	µg/L	19	J	18.2	J	NA	0.8
Zinc	10	µg/L	11.2	J	11.9	J	6.06	NA

Notes:
ABS = absolute difference
CRQL = contract required quantitation limit
NA = not applicable
NC = not calculable
RPD = relative percent difference
µg/L = microgram per liter

Data Validation Qualifiers
J - Estimated data due to exceeded quality control criteria
U - Compound was analyzed but not detected. The associated numerical value is the sample quantitation limit
UJ - Not detected, quantitation limit may be inaccurate or imprecise.

Table 3-2
Surface Water Field Duplicate Results
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Chemical Name	5 x CRQL	Unit	SW-27 5/30/2012		SW-7 5/30/2012		RPD	ABS
Volatile Organic Carbon								
1,1,1-Trichloroethane	2.5	µg/L	0.5	U	0.5	U	NC	NA
1,1,2,2-Tetrachloroethane	1	µg/L	0.2	UJ	0.2	UJ	NC	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	2.5	µg/L	0.5	U	0.5	U	NC	NA
1,1,2-Trichloroethane	1	µg/L	0.2	U	0.2	U	NC	NA
1,1-Dichloroethane	2.5	µg/L	0.5	U	0.5	U	NC	NA
1,1-Dichloroethene	2.5	µg/L	0.5	U	0.5	U	NC	NA
1,2,3-Trichlorobenzene	2.5	µg/L	0.5	U	0.5	U	NC	NA
1,2,4-Trichlorobenzene	2.5	µg/L	0.5	U	0.5	U	NC	NA
1,2-Dibromo-3-chloropropane	1	µg/L	0.2	U	0.2	U	NC	NA
1,2-Dibromoethane	1	µg/L	0.2	U	0.2	U	NC	NA
1,2-Dichlorobenzene	2.5	µg/L	0.5	U	0.5	U	NC	NA
1,2-Dichloroethane	1	µg/L	0.2	U	0.2	U	NC	NA
1,2-Dichloropropane	1	µg/L	0.2	U	0.2	U	NC	NA
1,3-Dichlorobenzene	2.5	µg/L	0.5	U	0.5	U	NC	NA
1,4-Dichlorobenzene	1	µg/L	0.2	U	0.2	U	NC	NA
2-Butanone	25	µg/L	5	U	5	U	NC	NA
2-Hexanone	25	µg/L	3.9	J	5	U	NC	1.1
4-Methyl-2-pentanone	25	µg/L	5	U	5	U	NC	NA
Acetone	25	µg/L	5	U	5	U	NC	NA
Benzene	1	µg/L	0.2	U	0.2	U	NC	NA
Bromodichloromethane	2.5	µg/L	0.5	U	0.5	U	NC	NA
Bromoform	2.5	µg/L	0.5	U	0.5	U	NC	NA
Bromomethane	2.5	µg/L	0.5	U	0.5	U	NC	NA
Carbon Disulfide	2.5	µg/L	0.5	U	0.5	U	NC	NA
Carbon Tetrachloride	1	µg/L	0.2	U	0.2	U	NC	NA
Chlorobenzene	2.5	µg/L	0.5	U	0.5	U	NC	NA
Chlorobromomethane	2.5	µg/L	0.5	U	0.5	U	NC	NA
Chloroethane	2.5	µg/L	0.5	U	0.5	U	NC	NA
Chloroform	1	µg/L	0.2	U	0.2	U	NC	NA
Chloromethane	2.5	µg/L	0.5	U	0.5	U	NC	NA
cis-1,2-Dichloroethene	2.5	µg/L	0.68		0.65		NA	0.03
cis-1,3-Dichloropropene	2.5	µg/L	0.5	U	0.5	U	NC	NA
Cyclohexane	2.5	µg/L	0.5	U	0.5	U	NC	NA
Dibromochloromethane	2.5	µg/L	0.5	U	0.5	U	NC	NA
Dichlorodifluoromethane	2.5	µg/L	0.5	U	0.5	U	NC	NA
Ethylbenzene	2.5	µg/L	0.5	U	0.5	U	NC	NA
Isopropylbenzene	2.5	µg/L	0.5	U	0.5	U	NC	NA
m,p-Xylene	2.5	µg/L	0.5	U	0.5	U	NC	NA
Methyl Acetate	2.5	µg/L	0.5	U	0.5	U	NC	NA
Methyl tert-Butyl Ether	2.5	µg/L	0.5	U	0.5	U	NC	NA
Methylene Chloride	2.5	µg/L	0.5	U	0.5	U	NC	NA
Metylcyclohexane	2.5	µg/L	0.5	U	0.5	U	NC	NA
o-Xylene	2.5	µg/L	0.5	U	0.5	U	NC	NA
Styrene	2.5	µg/L	0.5	U	0.5	U	NC	NA
Tetrachloroethene	2.5	µg/L	5.5		4.6		17.82	NA
Toluene	2.5	µg/L	0.5	U	0.5	U	NC	NA
trans-1,2-Dichloroethene	2.5	µg/L	0.5	U	0.5	U	NC	NA
trans-1,3-Dichloropropene	1	µg/L	0.2	U	0.2	U	NC	NA
Trichloroethene	2.5	µg/L	0.5	U	0.25	J	NC	0.25
Trichlorofluoromethane	2.5	µg/L	0.5	U	0.5	U	NC	NA
Vinyl Chloride	1	µg/L	0.2	U	0.2	U	NC	NA
Metals								
Aluminum	100	µg/L	33.3		27.6		NA	5.7
Antimony	10	µg/L	7.1	R	7.7	R	NC	NA
Arsenic	5	µg/L	1.1		1.1		NA	0
Barium	50	µg/L	31.4		31.8		NA	0.4
Beryllium	5	µg/L	1	U	1	U	NC	NA
Cadmium	5	µg/L	1	U	1	U	NC	NA

Table 3-2
Surface Water Field Duplicate Results
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Chemical Name	5 x CRQL	Unit	SW-27		SW-7		RPD	ABS
			5/30/2012		5/30/2012			
Calcium	2500	µg/L	46400		46700		0.64	NA
Chromium	10	µg/L	0.32	J	0.3	J	NA	0.02
Cobalt	5	µg/L	0.21	J	0.21	J	NA	0
Copper	10	µg/L	1.9	J	1.9	J	NA	0
Iron	1000	µg/L	200	UJ	200	UJ	NC	NA
Lead	5	µg/L	1	U	1	U	NC	NA
Magnesium	2500	µg/L	22600		22900		1.32	NA
Manganese	5	µg/L	76.2		77.6		1.82	NA
Mercury	1	µg/L	0.2	UJ	0.2	UJ	NC	NA
Nickel	0	µg/L	0.97	J	0.97	J	0.00	NA
Potassium	2500	µg/L	2150		2160		NA	10
Selenium	25	µg/L	5	U	5	U	NC	NA
Silver	5	µg/L	1	U	1	U	NC	NA
Sodium	2500	µg/L	32400		32900		1.53	NA
Thallium	5	µg/L	1	U	1	U	NC	NA
Vanadium	25	µg/L	16.1	J	15.5	J	NA	0.6
Zinc	10	µg/L	4.2	J	2	UJ	NC	2.2
Cyanide	50	µg/L	10	U	10	U	NC	NA
Wet Chemistry								
Nitrate	10	mg/L	0.85		0.86		NA	0.01
Nitrite	5	mg/L	0.025	U	0.025	U	NC	NA
Methane	5	µg/L	5.8		6.2		6.67	NA
Ethene	5	µg/L	2	U	2	U	NC	NA
Ethane	5	µg/L	2	U	2	U	NC	NA
Nitrogen, Ammonia	1	mg/L	0.05	U	0.05	U	NC	NA
Total Organic Carbon	5	mg/L	2.8		2.8		NA	0
Total Suspended Solids	20	mg/L	10	U	10	U	NC	NA
Sulfide	0.002	mg/L	0.01	U	0.01	U	NC	NA
Alkalinity, Total (as CaCO3)	20	mg/L	250		240		4.08	NA
Chloride	230	mg/L	32		33		NA	1
Sulfate	250	mg/L	16		17		NA	1
Total Dissolved Solids	500	mg/L	380		420		NA	40
Nitrogen, Total Kjeldahl	0.5	mg/L	0.24		0.28		NA	0.04
Total Organic Carbon	50	mg/L	2.8		2.8		NA	0

Notes:
ABS = absolute difference
CRQL = contract required quantitation limit
mg/L = miligram per liter
NA = not applicable
NC = not calculable
RPD = relative percent difference
µg/L = microgram per liter

Data Validation Qualifiers
J - Estimated data due to exceeded quality control criteria
R - Data is rejected due to exceeded quality control criteria
U - Compound was analyzed but not detected. The associated numerical value is the sample quantitation limit
UJ - Not detected, quantitation limit may be inaccurate or imprecise.

Table 3-3
Sediment Field Duplicate Results
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Chemical Name	5 x CRQL	Unit	SD-23		SD-3		RPD	ABS
			5/31/2012		5/31/2012			
Volatile Organic Carbon								
1,1,1-Trichloroethane	25	µg/kg	5.8	U	5.7	U	NC	NA
1,1,2,2-Tetrachloroethane	25	µg/kg	5.8	U	5.7	U	NC	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	25	µg/kg	5.8	U	5.7	U	NC	NA
1,1,2-Trichloroethane	25	µg/kg	5.8	U	5.7	U	NC	NA
1,1-Dichloroethane	25	µg/kg	5.8	U	5.7	U	NC	NA
1,1-Dichloroethene	25	µg/kg	5.8	U	5.7	U	NC	NA
1,2,3-Trichlorobenzene	25	µg/kg	5.8	U	5.7	U	NC	NA
1,2,4-Trichlorobenzene	25	µg/kg	5.8	U	5.7	U	NC	NA
1,2-Dibromo-3-chloropropane	25	µg/kg	5.8	U	5.7	U	NC	NA
1,2-Dibromoethane	25	µg/kg	5.8	U	5.7	U	NC	NA
1,2-Dichlorobenzene	25	µg/kg	5.8	U	5.7	U	NC	NA
1,2-Dichloroethane	25	µg/kg	5.8	U	5.7	U	NC	NA
1,2-Dichloropropane	25	µg/kg	5.8	U	5.7	U	NC	NA
1,3-Dichlorobenzene	25	µg/kg	5.8	U	5.7	U	NC	NA
1,4-Dichlorobenzene	25	µg/kg	5.8	U	5.7	U	NC	NA
1,4-Dioxane	500	µg/kg	120	U	110	U	NC	NA
2-Butanone	50	µg/kg	12	U	11	U	NC	NA
2-Hexanone	50	µg/kg	12	U	11	U	NC	NA
4-Methyl-2-pentanone	50	µg/kg	12	U	11	U	NC	NA
Acetone	50	µg/kg	12	U	11	U	NC	NA
Benzene	25	µg/kg	5.8	U	5.7	U	NC	NA
Bromodichloromethane	25	µg/kg	5.8	U	5.7	U	NC	NA
Bromoform	25	µg/kg	5.8	U	5.7	U	NC	NA
Bromomethane	25	µg/kg	5.8	U	5.7	U	NC	NA
Carbon Disulfide	25	µg/kg	5.8	U	5.7	U	NC	NA
Carbon Tetrachloride	25	µg/kg	5.8	U	5.7	U	NC	NA
Chlorobenzene	25	µg/kg	5.8	U	5.7	U	NC	NA
Chlorobromomethane	25	µg/kg	5.8	U	5.7	U	NC	NA
Chloroethane	25	µg/kg	5.8	U	5.7	U	NC	NA
Chloroform	25	µg/kg	5.8	U	5.7	U	NC	NA
Chloromethane	25	µg/kg	5.8	U	5.7	U	NC	NA
cis-1,2-Dichloroethene	25	µg/kg	5.8	U	5.7	U	NC	NA
cis-1,3-Dichloropropene	25	µg/kg	5.8	U	5.7	U	NC	NA
Cyclohexane	25	µg/kg	5.8	U	5.7	U	NC	NA
Dibromochloromethane	25	µg/kg	5.8	U	5.7	U	NC	NA
Dichlorodifluoromethane	25	µg/kg	5.8	U	5.7	U	NC	NA
Ethylbenzene	25	µg/kg	5.8	U	5.7	U	NC	NA
Isopropylbenzene	25	µg/kg	5.8	U	5.7	U	NC	NA
m,p-Xylene	25	µg/kg	5.8	U	5.7	U	NC	NA
Methyl Acetate	25	µg/kg	5.8	U	5.7	U	NC	NA
Methyl tert-Butyl Ether	25	µg/kg	5.8	U	5.7	U	NC	NA
Methylene Chloride	25	µg/kg	5.8	U	5.7	U	NC	NA
Metylcyclohexane	25	µg/kg	5.8	U	5.7	U	NC	NA
o-Xylene	25	µg/kg	5.8	U	5.7	U	NC	NA
Styrene	25	µg/kg	5.8	U	5.7	U	NC	NA
Tetrachloroethene	25	µg/kg	5.8	U	5.7	U	NC	NA
Toluene	25	µg/kg	5.8	U	5.7	U	NC	NA
trans-1,2-Dichloroethene	25	µg/kg	5.8	U	5.7	U	NC	NA
trans-1,3-Dichloropropene	25	µg/kg	5.8	U	5.7	U	NC	NA
Trichloroethene	25	µg/kg	5.8	U	5.7	U	NC	NA
Trichlorofluoromethane	25	µg/kg	5.8	U	5.7	U	NC	NA
Vinyl Chloride	25	µg/kg	5.8	U	5.7	U	NC	NA
Metals								
Aluminum	100	mg/kg	16200	J	15300	J	5.71	NA
Antimony	5	mg/kg	1.2	UJ	1.2	UJ	NC	NA
Arsenic	2.5	mg/kg	2.9	R	2.9	R	NC	NA
Barium	25	mg/kg	61	R	51.8	R	NC	NA
Beryllium	2.5	mg/kg	0.3	R	0.21	R	NC	NA
Cadmium	2.5	mg/kg	0.092	R	0.095	R	NC	NA

Table 3-3
Sediment Field Duplicate Results
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Chemical Name	5 x CRQL	Unit	SD-23		SD-3		RPD	ABS
			5/31/2012		5/31/2012			
Calcium	2500	mg/kg	14000	J	19300	J	31.83	NA
Chromium	5	mg/kg	28.7	R	25.2	R	NC	NA
Cobalt	2.5	mg/kg	23	R	19.1	R	NC	NA
Copper	5	mg/kg	60.9	J	57.3	J	6.09	NA
Iron	50	mg/kg	38300	J	34200	J	11.31	NA
Lead	2.5	mg/kg	1630	R	4.9	R	NC	NA
Magnesium	2500	mg/kg	7140	J	6010	J	17.19	NA
Manganese	2.5	mg/kg	986	J	866	J	12.96	NA
Mercury	0.5	mg/kg	0.12	U	0.12	U	NC	NA
Nickel	2.5	mg/kg	15.3	R	15.1	R	NC	NA
Potassium	2500	mg/kg	600	UJ	596	UJ	NC	NA
Selenium	12.5	mg/kg	0.15	R	0.21	R	NC	NA
Silver	2.5	mg/kg	0.6	R	0.6	R	NC	NA
Sodium	2500	mg/kg	600	UJ	596	UJ	NC	NA
Thallium	2.5	mg/kg	0.6	R	0.6	R	NC	NA
Vanadium	12.5	mg/kg	134	J	119	J	11.86	NA
Zinc	5	mg/kg	59.2	J	49.2	J	18.45	NA
Cyanide	2.5	mg/kg	0.6	U	0.6	U	NC	NA
Additional Parameters								
pH	NA	s.u.	7.4		7.8		0.05	NA
Total Organic Carbon	NA	mg/kg	8300		3100		0.91	NA
% CLAY & COLLOIDS	NA	%	0.1	U	NA		NC	NA
% Coarse Sand >0.42 - 2.0 mm	NA	%	16		14		0.13	NA
% FINE SAND >.125 - .25 MM	NA	%	1.5		1.1		0.31	NA
% GRANULE & LARGER >2 MM	NA	%	53		55		0.04	NA
% MEDIUM SAND >.25 - .5 MM	NA	%	4.5		3.6		0.22	NA
% SILT	NA	%	1.6		NA		NC	NA
% VERY COURSE SAND >1 - 2 MM	NA	%	24		25		0.04	NA
% VERY FINE SAND >.0625 - .125 MM	NA	%	0.5		0.4		0.22	NA
%Silt + % Clay/Colloids (%Total Fines)	NA	%	NA		1.7		NC	NA

Notes:
ABS = absolute difference
CRQL = contract required quantitation limit
mg/kg = miligram per kilogram
NA = not applicable
NC = not calculable
RPD = relative percent difference
µg/kg = microgram per kilogram

Data Laboratory and Validation Qualifiers
J - Estimated data due to exceeded quality control criteria.
R - Data is rejected due to exceeded quality control criteria.
U - Compound was analyzed but not detected. The associated numerical value is the sample quantitation limit.
UJ - Not detected, quantitation limit may be inaccurate or imprecise.

Table 4
Blank Results

Table 4-1: Trip Blanks
Table 4-2: Field Blanks

Table 4-1
Trip Blank Results
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Chemical Name	CRQL	Unit	TB-MW-04 6/5/2012		TB-SW-01 5/30/2012		TB-SW-02 5/31/2012		TB-SW-03 6/1/2012	
Volatile Organic Carbon										
2-Hexanone	5	µg/L	5	U	5	U	*4.8*	*J*	*4.6*	*J*
Methylene Chloride	0.5	µg/L	*0.49*	*J*	*0.35*	*J*	*0.46*	*J*	*0.38*	*J*

Notes:
1. Compounds with no detects are not included in the table above
2. Hits below the CRQL are highlighted and italicized.
3. No compounds were detected in the methane, ethane, and ethene

CRQL - contract required quantitation limit
µg/L - microgram per liter
J - Estimated data due to exceeded QC criteria.
R - Data is rejected due to exceeded QC criteria.
U - Compound was analyzed but not detected. The associated numerical value is the sample quantitation limit
UJ - Not detected, quantitation limit may be inaccurate or imprecise.

Table 4-2
Field Blank Results
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Chemical Name	CRQL	Unit	FB-MW-02 6/1/2012		FB-MW-03 6/5/2012		FB-SD-01 5/30/2012	
Volatile Organic Carbon								
Methylene Chloride	0.5	µg/L	*0.4*	*J*	**0.53**		0.5	U
Metals								
Aluminum	20	µg/L	*4.6*	*J*	*3.3*	*J*	*8.1*	*J*
Antimony	2	µg/L	**7.7**		**7.5**		**10.1**	**J**
Arsenic	1	µg/L	*0.14*	*J*	*0.17*	*J*	*0.22*	*J*
Barium	10	µg/L	*0.19*	*J*	10	U	10	U
Calcium	500	µg/L	*78.2*	*J*	*32.6*	*J*	*65.5*	*J*
Chromium	2	µg/L	**6.2**		*0.17*	*J*	*0.23*	*J*
Cobalt	1	µg/L	*0.086*	*J*	1	UJ	1	U
Copper	2	µg/L	*1.5*	*J*	*0.2*	*J*	2	U
Iron	200	µg/L	*62.6*	*J*	*3.6*	*J*	*19.3*	*J*
Lead	1	µg/L	*0.029*	*J*	*0.015*	*J*	*0.083*	*J*
Magnesium	500	µg/L	*17.7*	*J*	*2*	*J*	*4.4*	*J*
Manganese	1	µg/L	*0.53*	*J*	*0.072*	*J*	**1.3**	
Nickel	1	µg/L	**10.3**		*0.1*	*J*	*0.46*	*J*
Silver	1	µg/L	1	U	*0.044*	*J*	1	U
Sodium	500	µg/L	*132*	*J*	*80.9*	*J*	*238*	*J*
Vanadium	5	µg/L	*4*	*J*	*4.6*	*J*	**6.2**	**J**
Zinc	2	µg/L	*1.8*	*J*	*0.61*	*J*	*1.5*	*J*
Cyanide	10	µg/L	NA		NA		*0.15*	*J*

Notes:
1. Compounds with no detects are not included in the table above
2. Hits above the CRQL are highlighted and bolded.
3. Hits below the CRQL are highlighted and italicized.
4. No compounds were detected in the Organic Carbon.

CRQL - contract required quantitation limit
NA - not analyzed
µg/L - microgram per liter
J - Estimated data due to exceeded QC criteria.
R - Data is rejected due to exceeded QC criteria.
U - Compound was analyzed but not detected. The associated numerical value is the sample quantitation limit
UJ - Not detected, quantitation limit may be inaccurate or imprecise.

Table 5
Data Completeness Report

Table 5-1: Groundwater Completeness
Table 5-2: Surface Water Completeness Table
Table 5-3: Sediment Completeness Table

Table 5-1
Groundwater Completeness
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Analytical Parameter	Non-Detects	No. of Hits	Estimated Hits	No. of Rejects	Total	Percent Rejected	Percent Estimated Hits
VOC	183	11	1	0	194	0.00	0.52
VOC SIM	54	7	4	0	61	0.00	6.56
Metals	28	83	36	4	115	3.48	31.30
Sum	265	101	41	4	370		
Total Completeness						98.92	88.92

Percent of all Data Rejected	1.08	
Percent of all Metals Rejected	3.48	
Percent of all Hits Estimated	11.08	(does not include estimated non-detect data)
Percent Complete (judged valid)	98.92	(Includes all estimated data)

Notes:
The counts and calculations above do not include field or trip blank samples only environmental samples.
Estimated hits are included in the number of hits.

SIM = selected ion monitoring
VOC = volatile organic compound

Table 5-2
Surface Water Completeness
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Analytical Parameter	Non-Detects	No. of Hits	Estimated Hits	No. of Rejects	Total	Percent Rejected	Percent Estimated Hits
VOC	408	16	7	0	424	0.00	1.65
VOC-SIM	135	2	2	0	137	0.00	1.46
Metals	98	159	59	5	262	1.91	22.52
Methane/Ethane/Ethene	24	9	0	0	33	0.00	0.00
TOC	0	11	0	0	11	0.00	0.00
TDS	0	11	0	0	11	0.00	0.00
TSS	10	1	0	0	11	0.00	0.00
Alkalinity	0	11	0	0	11	0.00	0.00
Chlorine	0	11	0	0	11	0.00	0.00
NH3	11	0	0	0	11	0.00	0.00
TKN	0	11	0	0	11	0.00	0.00
Sulfate	0	11	0	0	11	0.00	0.00
Nitrate	0	11	0	0	11	0.00	0.00
Nitrite	9	2	0	0	11	0.00	0.00
Sulfide	11	0	0	0	11	0.00	0.00
Sum	706	266	68	5	977		
Total Completeness						99.49	93.04

Percent of all Data Rejected	0.51	
Percent of all Metals Rejected	1.91	
Percent of all Hits Estimated	6.96	(does not include estimated non-detect data)
Percent Complete (judged valid)	99.49	(Includes all estimated data)

Notes:
The counts and calculations above do not include field or trip blank samples only environmental samples.

SIM = selected ion monitoring
VOC = volatile organic compound
TDS = total disolved solids
TOC = total organic carbon
TSS = total suspended solids
TKN = Total Kjeldahl nitrogen

Table 5-3
Sediment Completeness
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Analytical Parameter	Non-Detects	No. of Hits	Estimated Hits	No. of Rejects	Total	Percent Rejected	Percent Estimated Hits
VOC	571	1	1	0	572	0.00	0.17
Metals	55	109	92	100	264	37.88	34.85
TOC	0	11	0	0	11	0.00	0.00
pH	0	11	0	0	11	0.00	0.00
Grainsize	8	77	0	0	85	0.00	0.00
Sum	634	209	93	100	943		
Total Completeness						89.40	90.14

Percent of all Data Rejected	10.60	
Percent of all Metals Rejected	37.88	
Percent of all Hits Estimated	9.86	(does not include estimated non-detect data)
Percent Complete (judged valid)	89.40	(Includes all estimated data)

Notes:
The counts and calculations above do not include field or trip blank samples only environmental samples.

SIM = selected ion monitoring
VOC = volatile organic compound
TOC = total organic carbon

Appendix K
Analytical Data Tables

Coffee Shop - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CSSB-01-A			CSSB-01-B			CSSB-02-A			CSSB-02-B		
		Location	CSSB-01			CSSB-01			CSSB-02			CSSB-02		
		Sample Date	12/12/2007			12/12/2007			12/12/2007			12/12/2007		
		Depth	1 to 2 ft			5 to 6 ft			1 to 2 ft			5 to 6 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds														
Dichlorodifluoromethane	ug/Kg	6000	6.5	U		5.5	U		5.6	U		5.6	U	
Chloromethane	ug/Kg	980	6.5	U		5.5	U		5.6	U		5.6	U	
Vinyl Chloride	ug/Kg	13.8	6.5	U		5.5	U		5.6	U		5.6	U	
Bromomethane	ug/Kg	36	6.5	U		5.5	U		5.6	U		5.6	U	
Chloroethane	ug/Kg	118000	6.5	U		5.5	U		5.6	U		5.6	U	
Trichlorofluoromethane	ug/Kg	13800	6.5	U		5.5	U		5.6	U		5.6	U	
1,1-Dichloroethene	ug/Kg	50	6.5	U		5.5	U		5.6	U		5.6	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.5	U		5.5	U		5.6	U		5.6	U	
Acetone	ug/Kg	48000	13	U		11	U		13	U		15	U	
Carbon Disulfide	ug/Kg	4200	6.5	U		5.5	U		5.6	U		5.6	U	
Methyl Acetate	ug/Kg	64000	6.5	U		5.5	U		5.6	U		5.6	U	
Methylene Chloride	ug/Kg	26	6.5	U		5.5	U		5.6	U		5.6	U	
trans-1,2-Dichloroethene	ug/Kg	580	6.5	U		5.5	U		5.6	U		5.6	U	
Methyl tert-Butyl Ether	ug/Kg	56	6.5	U		5.5	U		5.6	U		5.6	U	
1,1-Dichloroethane	ug/Kg	13.6	6.5	U		5.5	U		5.6	U		5.6	U	
cis-1,2-Dichloroethene	ug/Kg	420	6.5	U		5.5	U		5.6	U		5.6	U	
2-Butanone	ug/Kg	20000	13	U		11	U		11	U		11	U	
Chlorobromomethane	ug/Kg	420	6.5	U		5.5	U		5.6	U		5.6	U	
Chloroform	ug/Kg	290	6.5	U		5.5	U		5.6	U		5.6	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.5	U		5.5	U		5.6	U		5.6	U	
Cyclohexane	ug/Kg	117000	6.5	U		5.5	U		5.6	U		5.6	U	
Carbon Tetrachloride	ug/Kg	38	6.5	U		5.5	U		5.6	U		5.6	U	
Benzene	ug/Kg	52	6.5	U		5.5	U		5.6	U		5.6	U	
1,2-Dichloroethane	ug/Kg	28	6.5	U		5.5	U		5.6	U		5.6	U	
1,4-Dioxane	ug/Kg	2.8	130	R		110	R		110	R		110	R	
Trichloroethene	ug/Kg	36	6.5	U		5.5	U		5.6	U		5.6	U	

Coffee Shop - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CSSB-01-A			CSSB-01-B			CSSB-02-A			CSSB-02-B		
		Location	CSSB-01			CSSB-01			CSSB-02			CSSB-02		
		Sample Date	12/12/2007			12/12/2007			12/12/2007			12/12/2007		
		Depth	1 to 2 ft			5 to 6 ft			1 to 2 ft			5 to 6 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	6.5	U		5.5	U		5.6	U		5.6	U	
1,2-Dichloropropane	ug/Kg	34	6.5	U		5.5	U		5.6	U		5.6	U	
Bromodichloromethane	ug/Kg	270	6.5	U		5.5	U		5.6	U		5.6	U	
cis-1,3-Dichloropropene	ug/Kg	3	6.5	U		5.5	U		5.6	U		5.6	U	
4-Methyl-2-pentanone	ug/Kg	4600	13	U		11	U		11	U		11	U	
Toluene	ug/Kg	13800	6.5	U		5.5	U		5.6	U		5.6	U	
trans-1,3-Dichloropropene	ug/Kg	3	6.5	U		5.5	U		5.6	U		5.6	U	
1,1,2-Trichloroethane	ug/Kg	32	6.5	U		5.5	U		5.6	U		5.6	U	
Tetrachloroethene	ug/Kg	46	6.5	U		5.5	U		5.6	U		5.6	U	
2-Hexanone	ug/Kg	158	13	U		11	U		11	U		11	U	
Dibromochloromethane	ug/Kg	420	6.5	U		5.5	U		5.6	U		5.6	U	
1,2-Dibromoethane	ug/Kg	0.28	6.5	U		5.5	U		5.6	U		5.6	U	
Chlorobenzene	ug/Kg	1360	6.5	U		5.5	U		5.6	U		5.6	U	
Ethylbenzene	ug/Kg	5400	6.5	U		5.5	U		5.6	U		5.6	U	
o-Xylene	ug/Kg	3800	6.5	U		5.5	U		5.6	U		5.6	U	
m,p-Xylene	ug/Kg	3600	6.5	U		5.5	U		5.6	U		5.6	U	
Styrene	ug/Kg	2200	6.5	U		5.5	U		5.6	U		5.6	U	
Bromoform	ug/Kg	420	6.5	U		5.5	U		5.6	U		5.6	U	
Isopropylbenzene	ug/Kg	12800	6.5	U		5.5	U		5.6	U		5.6	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	6.5	U		5.5	U		5.6	U		5.6	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.5	U		5.5	U		5.6	U		5.6	U	
1,4-Dichlorobenzene	ug/Kg	1440	6.5	U		5.5	U		5.6	U		5.6	U	
1,2-Dichlorobenzene	ug/Kg	11600	6.5	U		5.5	U		5.6	U		5.6	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.5	U		5.5	U		5.6	U		5.6	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.5	UJ		5.5	UJ		5.6	UJ		5.6	UJ	
1,2,3-Trichlorobenzene	ug/Kg	300	6.5	U		5.5	U		5.6	U		5.6	U	

Coffee Shop - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CSSB-01-A			CSSB-01-B			CSSB-02-A			CSSB-02-B		
		Location	CSSB-01			CSSB-01			CSSB-02			CSSB-02		
		Sample Date	12/12/2007			12/12/2007			12/12/2007			12/12/2007		
		Depth	1 to 2 ft			5 to 6 ft			1 to 2 ft			5 to 6 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Semi-Volatile Organic Compounds														
Benzaldehyde	ug/Kg	6600	250	U		240	U		240	U		240	U	
Phenol	ug/Kg	52000	250	U		240	U		240	U		240	U	
bis(2-Chloroethyl) ether	ug/Kg	0.06	250	U		240	U		240	U		240	U	
2-Chlorophenol	ug/Kg	1140	250	U		240	U		240	U		240	U	
2-Methylphenol	ug/Kg	11600	250	U		240	U		240	U		240	U	
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	250	U		240	U		240	U		240	U	
Acetophenone	ug/Kg	9000	250	U		240	U		240	U		240	U	
4-Methylphenol	ug/Kg	22000	250	U		240	U		240	U		240	U	
n-Nitroso-di-n-propylamine	ug/Kg	0.14	250	U		240	U		240	U		240	U	
Hexachloroethane	ug/Kg	9.6	250	U		240	U		240	U		240	U	
Nitrobenzene	ug/Kg	1.58	250	UJ		240	UJ		240	UJ		240	UJ	
Isophorone	ug/Kg	440	250	U		240	U		240	U		240	U	
2-Nitrophenol	ug/Kg	N/A	250	U		240	U		240	U		240	U	
2,4-Dimethylphenol	ug/Kg	6400	250	U		240	U		240	U		240	U	
bis(2-Chloroethoxy)methane	ug/Kg	220	250	U		240	U		240	U		240	U	
2,4-Dichlorophenol	ug/Kg	820	250	U		240	U		240	U		240	U	
Naphthalene	ug/Kg	9.4	250	U		240	U		240	U		240	U	
4-Chloroaniline	ug/Kg	2.6	250	U		240	U		240	U		240	U	
Hexachlorobutadiene	ug/Kg	10	250	U		240	U		240	U		240	U	
Caprolactam	ug/Kg	38000	250	U		240	U		240	U		240	U	
4-Chloro-3-methylphenol	ug/Kg	26000	250	U		240	U		240	U		240	U	
2-Methylnaphthalene	ug/Kg	2800	250	U		240	U		240	U		240	U	
Hexachlorocyclopentadiene	ug/Kg	3200	250	U		240	U		240	U		240	U	
2,4,6-Trichlorophenol	ug/Kg	260	250	U		240	U		240	U		240	U	
2,4,5-Trichlorophenol	ug/Kg	66000	250	U		240	U		240	U		240	U	
1,1'-Biphenyl	ug/Kg	174	250	U		240	U		240	U		240	U	
2-Chloronaphthalene	ug/Kg	58000	250	U		240	U		240	U		240	U	

Coffee Shop - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CSSB-01-A			CSSB-01-B			CSSB-02-A			CSSB-02-B		
		Location	CSSB-01			CSSB-01			CSSB-02			CSSB-02		
		Sample Date	12/12/2007			12/12/2007			12/12/2007			12/12/2007		
		Depth	1 to 2 ft			5 to 6 ft			1 to 2 ft			5 to 6 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
2-Nitroaniline	ug/Kg	1240	480	U		460	U		470	U		460	U	
Dimethylphthalate	ug/Kg	N/A	250	U		240	U		240	U		240	U	
2,6-Dinitrotoluene	ug/Kg	400	250	U		240	U		240	U		240	U	
Acenaphthylene	ug/Kg	N/A	250	U		240	U		240	U		240	U	
3-Nitroaniline	ug/Kg	N/A	480	U		460	U		470	U		460	U	
Acenaphthene	ug/Kg	82000	250	U		240	U		240	U		240	U	
2,4-Dinitrophenol	ug/Kg	680	480	U		460	U		470	U		460	U	
4-Nitrophenol	ug/Kg	N/A	480	U		460	U		470	U		460	U	
Dibenzofuran	ug/Kg	N/A	250	U		240	U		240	U		240	U	
2,4-Dinitrotoluene	ug/Kg	5.6	250	U		240	U		240	U		240	U	
Diethylphthalate	ug/Kg	94000	250	U		240	U		240	U		240	U	
Fluorene	ug/Kg	80000	250	U		240	U		240	U		240	U	
4-Chlorophenyl-phenylether	ug/Kg	N/A	250	U		240	U		240	U		240	U	
4-Nitroaniline	ug/Kg	28	480	U		460	U		470	U		460	U	
4,6-Dinitro-2-methylphenol	ug/Kg	40	480	U		460	U		470	U		460	U	
n-Nitrosodiphenylamine	ug/Kg	1140	250	U		240	U		240	U		240	U	
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	250	U		240	U		240	U		240	U	
4-Bromophenyl-phenylether	ug/Kg	N/A	250	U		240	U		240	U		240	U	
Hexachlorobenzene	ug/Kg	260	250	U		240	U		240	U		240	U	
Atrazine	ug/Kg	38	250	U		240	U		240	U		240	U	
Pentachlorophenol	ug/Kg	200	480	U		460	U		470	U		460	U	
Phenanthrene	ug/Kg	N/A	250	U		240	U		240	U		240	U	
Anthracene	ug/Kg	840000	250	U		240	U		240	U		240	U	
Carbazole	ug/Kg	N/A	250	U		240	U		240	U		240	U	
Di-n-butylphthalate	ug/Kg	34000	250	U		240	U		240	U		240	U	
Fluoranthene	ug/Kg	230000	250	U		240	UJ		240	U		240	U	
Pyrene	ug/Kg	170000	250	U		240	UJ		240	U		240	U	
Butylbenzylphthalate	ug/Kg	4000	250	U		240	U		240	U		240	U	

Coffee Shop - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CSSB-01-A			CSSB-01-B			CSSB-02-A			CSSB-02-B		
		Location	CSSB-01			CSSB-01			CSSB-02			CSSB-02		
		Sample Date	12/12/2007			12/12/2007			12/12/2007			12/12/2007		
		Depth	1 to 2 ft			5 to 6 ft			1 to 2 ft			5 to 6 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
3,3'-Dichlorobenzidine	ug/Kg	14.2	250	U		240	U		240	U		240	U	
Benzo(a)anthracene	ug/Kg	150	250	U		240	UJ		240	U		240	U	
Chrysene	ug/Kg	15000	250	U		240	UJ		240	U		240	U	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	340	U		240	U		240	U		240	U	
Di-n-octylphthalate	ug/Kg	N/A	250	U		240	U		240	U		240	U	
Benzo(b)fluoranthene	ug/Kg	150	250	U		240	U		240	U		240	U	
Benzo(k)fluoranthene	ug/Kg	1500	250	U		240	U		240	U		240	U	
Benzo(a)pyrene	ug/Kg	15	250	U		240	U		240	U		240	U	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	250	U		240	U		240	U		240	U	
Dibenz(a,h)anthracene	ug/Kg	15	250	U		240	U		240	U		240	U	
Benzo(g,h,i)perylene	ug/Kg	N/A	250	U		240	U		240	U		240	U	
Chlorophenols	ug/Kg	22000	250	U		240	U		240	U		240	U	
PCBs														
Aroclor-1016	ug/Kg	390	48	U		46	U		47	U		46	U	
Aroclor-1221	ug/Kg	1.48	48	U		46	U		47	U		46	U	
Aroclor-1232	ug/Kg	1.48	48	U		46	U		47	U		46	U	
Aroclor-1242	ug/Kg	106	48	U		46	U		47	U		46	U	
Aroclor-1248	ug/Kg	104	48	U		46	U		47	U		46	U	
Aroclor-1254	ug/Kg	110	48	U		46	U		47	U		46	U	
Aroclor-1260	ug/Kg	220	48	U		46	U		47	U		46	U	
Aroclor-1262	ug/Kg	220	48	U		46	U		47	U		46	U	
Aroclor-1268	ug/Kg	220	48	U		46	U		47	U		46	U	
Pesticides														
alpha-BHC	ug/Kg	0.72	2.5	U		2.4	U		2.4	U		2.4	U	
beta-BHC	ug/Kg	2.6	2.5	U		2.4	U		2.4	U		2.4	U	
delta-BHC	ug/Kg	N/A	2.5	U		2.4	U		2.4	U		2.4	U	

Coffee Shop - Soil Sample Results Full Table
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		Sample Code	CSSB-01-A			CSSB-01-B			CSSB-02-A			CSSB-02-B		
		Location	CSSB-01			CSSB-01			CSSB-02			CSSB-02		
		Sample Date	12/12/2007			12/12/2007			12/12/2007			12/12/2007		
		Depth	1 to 2 ft			5 to 6 ft			1 to 2 ft			5 to 6 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
gamma-BHC (Lindane)	ug/Kg	24	2.5	U		2.4	U		2.4	U		2.4	U	
Heptachlor	ug/Kg	110	2.5	U		2.4	U		2.4	U		2.4	U	
Aldrin	ug/Kg	0.68	2.5	U		2.4	U		2.4	U		2.4	U	
Heptachlor epoxide	ug/Kg	53	2.5	U		2.4	U		2.4	U		2.4	U	
Endosulfan I	ug/Kg	22000	2.5	U		2.4	U		2.4	U		2.4	U	
Dieldrin	ug/Kg	1.22	4.8	U		4.6	U		4.7	U		4.6	U	
4,4'-DDE	ug/Kg	920	4.8	U		4.6	U		4.7	U		0.99	J	#
Endrin	ug/Kg	1620	4.8	U		4.6	U		4.7	U		4.6	U	
Endosulfan II	ug/Kg	22000	4.8	U		4.6	U		4.7	U		4.6	U	
4,4'-DDD	ug/Kg	1320	4.8	U		4.6	U		4.7	U		4.6	U	
Endosulfan sulfate	ug/Kg	22000	4.8	U		4.6	U		4.7	U		4.6	U	
4,4'-DDT	ug/Kg	1340	4.8	U		4.6	U		4.7	U		4.6	U	
Methoxychlor	ug/Kg	31000	25	U		24	U		24	U		24	U	
Endrin ketone	ug/Kg	1620	4.8	U		4.6	U		4.7	U		4.6	U	
Endrin aldehyde	ug/Kg	1620	4.8	U		4.6	U		4.7	U		4.6	U	
alpha-Chlordane	ug/Kg	1600	2.5	U		2.4	U		2.4	U		2.4	U	
gamma-Chlordane	ug/Kg	1600	2.5	U		2.4	U		2.4	U		2.4	U	
Toxaphene	ug/Kg	440	250	U		240	U		240	U		240	U	
Inorganic Analytes														
Aluminum	mg/kg	7700	4350		#	4920		#	5540		#	5420		#
Antimony	mg/kg	3.1	2.1	U		8.3	U		2.2	U		2.1	U	
Arsenic	mg/kg	0.39	1.4	U		1.4	U		1.4	U		**0.7**	J	A
Barium	mg/kg	1500	28.6	U		41.5		#	28.9	U		27.9	U	
Beryllium	mg/kg	16	0.71	U		0.69	U		0.72	U		0.7	U	
Cadmium	mg/kg	7	0.71	U		0.69	U		0.72	U		0.7	U	
Calcium	mg/kg	N/A	515	J	~	2540		~	641	J	~	2560		~
Chromium	mg/kg	0.29	**14.6**		A	**15.2**		A	**18.6**		A	**32.2**		A

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Cidra, Puerto Rico

		Sample Code	CSSB-01-A			CSSB-01-B			CSSB-02-A			CSSB-02-B		
		Location	CSSB-01			CSSB-01			CSSB-02			CSSB-02		
		Sample Date	12/12/2007			12/12/2007			12/12/2007			12/12/2007		
		Depth	1 to 2 ft			5 to 6 ft			1 to 2 ft			5 to 6 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Cobalt	mg/kg	2.3	**18.8**		A	**26.8**		A	**22.3**		A	7	U	
Copper	mg/kg	310	31		#	35.1		#	39.5		#	20.8		#
Cyanide	mg/kg	4.7	0.87	R		0.67	R		0.47	R		0.8	R	
Iron	mg/kg	5400	**34300**		A	**29300**		A	**40000**		A	**32000**		A
Lead	mg/kg	280	1.4	U		5.7		#	1.4	U		2.3		#
Magnesium	mg/kg	N/A	89.5	J	~	207	J	~	112	J	~	1120		~
Manganese	mg/kg	21	**978**	J	A	**2170**	J	A	**1220**	J	A	**143**	J	A
Mercury	mg/kg	2	0.29		#	0.14	U		0.2		#	0.14	U	
Nickel	mg/kg	150	1.5	J	#	3.5	J	#	2	J	#	2.9	J	#
Potassium	mg/kg	N/A	146	J	~	189	J	~	167	J	~	95.5	J	~
Selenium	mg/kg	5.2	5	U		4.8	U		5.1	U		4.9	U	
Silver	mg/kg	12	4.5	J	#	4	J	#	5.1	J	#	4.2	J	#
Sodium	mg/kg	N/A	714	U		690	U		724	U		697	U	
Thallium	mg/kg	0.08	0.36	U		3.4	U		0.36	U		0.35	U	
Vanadium	mg/kg	39	**91.9**		A	**77.8**		A	**105**		A	**121**		A
Zinc	mg/kg	2300	34.3		#	83.5		#	44.5		#	12.7		#

Coffee Shop - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CSSB-01-A			CSSB-01-B			CSSB-02-A			CSSB-02-B		
		Location	CSSB-01			CSSB-01			CSSB-02			CSSB-02		
		Sample Date	12/12/2007			12/12/2007			12/12/2007			12/12/2007		
		Depth	1 to 2 ft			5 to 6 ft			1 to 2 ft			5 to 6 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Additional Parameters														
% GRANULE & LARGER >2 MM	%	N/A	0		~							2		~
% VERY COURSE SAND >1 - 2 MM	%	N/A	1		~							2		~
% COARSE SAND >.5 - 1 MM	%	N/A	1		~							1		~
% MEDIUM SAND >.25 - .5 MM	%	N/A	1		~							2		~
% FINE SAND >.125 - .25 MM	%	N/A	2		~							2		~
% VERY FINE SAND >.0625 - .125 MM	%	N/A	2		~							2		~
% SILT	%	N/A	19		~							43		~
% CLAY & COLLOIDS	%	N/A	75		~							46		~
pH	s.u.	N/A	7		~							7		~
Total Organic Carbon	mg/Kg	N/A	4300		~							1800		~

Notes:
Highlight indicates exceedance
SC - Site Specific Screening Criteria
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

Q - Qualifier
C - Comparison Flag

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

Coffee Shop - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CSSB-01-A			CSSB-01-B			CSSB-02-A			CSSB-02-B		
		Location	CSSB-01			CSSB-01			CSSB-02			CSSB-02		
		Sample Date	12/12/2007			12/12/2007			12/12/2007			12/12/2007		
		Depth	1 to 2 ft			5 to 6 ft			1 to 2 ft			5 to 6 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

Don Quixote Pizza - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	DQSB-01-A			DQSB-02-A			DQSB-03-A		
		Sample Name									
		Sample Date	12/13/2007			12/13/2007			12/13/2007		
			2 to 4 ft			2 to 4 ft			2 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds											
Dichlorodifluoromethane	ug/Kg	6000	6.7	U		6.5	U		7	U	
Chloromethane	ug/Kg	980	6.7	U		6.5	U		7	U	
Vinyl Chloride	ug/Kg	13.8	6.7	U		6.5	U		7	U	
Bromomethane	ug/Kg	36	6.7	U		6.5	U		7	U	
Chloroethane	ug/Kg	118000	6.7	U		6.5	U		7	U	
Trichlorofluoromethane	ug/Kg	13800	6.7	U		6.5	U		7	U	
1,1-Dichloroethene	ug/Kg	50	6.7	U		6.5	U		7	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.7	U		6.5	U		7	U	
Acetone	ug/Kg	48000	16	U		20	U		15	U	
Carbon Disulfide	ug/Kg	4200	6.7	U		6.5	U		7	U	
Methyl Acetate	ug/Kg	64000	6.7	U		6.5	U		7	U	
Methylene Chloride	ug/Kg	26	6.7	U		6.5	U		7	U	
trans-1,2-Dichloroethene	ug/Kg	580	6.7	U		6.5	U		7	U	
Methyl tert-Butyl Ether	ug/Kg	56	6.7	U		6.5	U		7	U	
1,1-Dichloroethane	ug/Kg	13.6	6.7	U		6.5	U		7	U	
cis-1,2-Dichloroethene	ug/Kg	420	6.7	U		6.5	U		0.87	J	#
2-Butanone	ug/Kg	20000	13	U		13	U		14	U	
Chlorobromomethane	ug/Kg	420	6.7	U		6.5	U		7	U	
Chloroform	ug/Kg	290	6.7	U		6.5	U		7	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.7	U		6.5	U		7	U	
Cyclohexane	ug/Kg	117000	6.7	U		6.5	U		7	U	
Carbon Tetrachloride	ug/Kg	38	6.7	U		6.5	U		7	U	
Benzene	ug/Kg	52	6.7	U		6.5	U		7	U	
1,2-Dichloroethane	ug/Kg	28	6.7	U		6.5	U		7	U	
1,4-Dioxane	ug/Kg	2.8	130	R		130	R		140	R	

Don Quixote Pizza - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	DQSB-01-A			DQSB-02-A			DQSB-03-A		
		Sample Name									
		Sample Date	12/13/2007			12/13/2007			12/13/2007		
			2 to 4 ft			2 to 4 ft			2 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Trichloroethene	ug/Kg	36	6.7	U		6.5	U		7	U	
Metylcyclohexane	ug/Kg	N/A	6.7	U		6.5	U		7	U	
1,2-Dichloropropane	ug/Kg	34	6.7	U		6.5	U		7	U	
Bromodichloromethane	ug/Kg	270	6.7	U		6.5	U		7	U	
cis-1,3-Dichloropropene	ug/Kg	3	6.7	U		6.5	U		7	U	
4-Methyl-2-pentanone	ug/Kg	4600	13	U		13	U		14	U	
Toluene	ug/Kg	13800	6.7	U		6.5	U		7	U	
trans-1,3-Dichloropropene	ug/Kg	3	6.7	U		6.5	U		7	U	
1,1,2-Trichloroethane	ug/Kg	32	6.7	U		6.5	U		7	U	
Tetrachloroethene	ug/Kg	46	6.7	U		6.5	U		7	U	
2-Hexanone	ug/Kg	158	13	U		13	U		14	U	
Dibromochloromethane	ug/Kg	420	6.7	U		6.5	U		7	U	
1,2-Dibromoethane	ug/Kg	0.28	6.7	U		6.5	U		7	U	
Chlorobenzene	ug/Kg	1360	6.7	U		6.5	U		7	U	
Ethylbenzene	ug/Kg	5400	6.7	U		6.5	U		7	U	
o-Xylene	ug/Kg	3800	6.7	U		6.5	U		7	U	
m,p-Xylene	ug/Kg	3600	6.7	U		6.5	U		7	U	
Styrene	ug/Kg	2200	6.7	U		6.5	U		7	U	
Bromoform	ug/Kg	420	6.7	U		6.5	U		7	U	
Isopropylbenzene	ug/Kg	12800	6.7	U		6.5	U		7	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	6.7	U		6.5	U		7	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.7	U		6.5	U		7	U	
1,4-Dichlorobenzene	ug/Kg	1440	0.79	J	#	0.57	J	#	7	U	
1,2-Dichlorobenzene	ug/Kg	11600	6.7	U		6.5	U		7	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.7	U		6.5	U		7	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.7	UJ		6.5	UJ		7	UJ	
1,2,3-Trichlorobenzene	ug/Kg	300	6.7	U		6.5	U		7	U	

Don Quixote Pizza - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code Sample Name Sample Date	DQSB-01-A 12/13/2007 2 to 4 ft			DQSB-02-A 12/13/2007 2 to 4 ft			DQSB-03-A 12/13/2007 2 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Semi-Volatile Organic Compounds											
Benzaldehyde	ug/Kg	6600	230	U		260	U		260	U	
Phenol	ug/Kg	52000	230	U		260	U		260	U	
bis(2-Chloroethyl) ether	ug/Kg	0.06	230	U		260	U		260	U	
2-Chlorophenol	ug/Kg	1140	230	U		260	U		260	U	
2-Methylphenol	ug/Kg	11600	230	U		260	U		260	U	
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	230	U		260	U		260	U	
Acetophenone	ug/Kg	9000	230	U		260	U		260	U	
4-Methylphenol	ug/Kg	22000	230	U		260	U		260	U	
n-Nitroso-di-n-propylamine	ug/Kg	0.14	230	U		260	U		260	U	
Hexachloroethane	ug/Kg	9.6	230	U		260	U		260	U	
Nitrobenzene	ug/Kg	1.58	230	UJ		260	UJ		260	UJ	
Isophorone	ug/Kg	440	230	U		260	U		260	U	
2-Nitrophenol	ug/Kg	N/A	230	U		260	U		260	U	
2,4-Dimethylphenol	ug/Kg	6400	230	U		260	U		260	U	
bis(2-Chloroethoxy)methane	ug/Kg	220	230	U		260	U		260	U	
2,4-Dichlorophenol	ug/Kg	820	230	U		260	U		260	U	
Naphthalene	ug/Kg	9.4	230	U		260	U		260	U	
4-Chloroaniline	ug/Kg	2.6	230	U		260	U		260	U	
Hexachlorobutadiene	ug/Kg	10	230	U		260	U		260	U	
Caprolactam	ug/Kg	38000	230	U		260	U		260	U	
4-Chloro-3-methylphenol	ug/Kg	26000	230	U		260	U		260	U	
2-Methylnaphthalene	ug/Kg	2800	230	U		260	U		260	U	
Hexachlorocyclopentadiene	ug/Kg	3200	230	U		260	U		260	U	
2,4,6-Trichlorophenol	ug/Kg	260	230	U		260	U		260	U	
2,4,5-Trichlorophenol	ug/Kg	66000	230	U		260	U		260	U	
1,1'-Biphenyl	ug/Kg	174	230	U		260	U		260	U	
2-Chloronaphthalene	ug/Kg	58000	230	U		260	U		260	U	

Don Quixote Pizza - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	DQSB-01-A			DQSB-02-A			DQSB-03-A		
		Sample Name									
		Sample Date	12/13/2007			12/13/2007			12/13/2007		
			2 to 4 ft			2 to 4 ft			2 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
2-Nitroaniline	ug/Kg	1240	450	U		500	U		500	U	
Dimethylphthalate	ug/Kg	N/A	230	U		260	U		260	U	
2,6-Dinitrotoluene	ug/Kg	400	230	U		260	U		260	U	
Acenaphthylene	ug/Kg	N/A	230	U		260	U		260	U	
3-Nitroaniline	ug/Kg	N/A	450	U		500	U		500	U	
Acenaphthene	ug/Kg	82000	230	U		260	U		260	U	
2,4-Dinitrophenol	ug/Kg	680	450	U		500	U		500	U	
4-Nitrophenol	ug/Kg	N/A	450	U		500	U		500	U	
Dibenzofuran	ug/Kg	N/A	230	U		260	U		260	U	
2,4-Dinitrotoluene	ug/Kg	5.6	230	U		260	U		260	U	
Diethylphthalate	ug/Kg	94000	230	U		260	U		260	U	
Fluorene	ug/Kg	80000	230	U		260	U		260	U	
4-Chlorophenyl-phenylether	ug/Kg	N/A	230	U		260	U		260	U	
4-Nitroaniline	ug/Kg	28	450	U		500	U		500	U	
4,6-Dinitro-2-methylphenol	ug/Kg	40	450	U		500	U		500	U	
n-Nitrosodiphenylamine	ug/Kg	1140	230	U		260	U		260	U	
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	230	U		260	U		260	U	
4-Bromophenyl-phenylether	ug/Kg	N/A	230	U		260	U		260	U	
Hexachlorobenzene	ug/Kg	260	230	U		260	U		260	U	
Atrazine	ug/Kg	38	230	U		260	U		260	U	
Pentachlorophenol	ug/Kg	200	450	U		500	U		500	U	
Phenanthrene	ug/Kg	N/A	230	U		260	U		260	U	
Anthracene	ug/Kg	840000	230	U		260	U		260	U	
Carbazole	ug/Kg	N/A	230	U		260	U		260	U	
Di-n-butylphthalate	ug/Kg	34000	230	U		260	U		260	U	
Fluoranthene	ug/Kg	230000	230	U		260	U		260	U	
Pyrene	ug/Kg	170000	230	U		260	U		260	U	
Butylbenzylphthalate	ug/Kg	4000	230	U		260	U		260	U	

Don Quixote Pizza - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	DQSB-01-A			DQSB-02-A			DQSB-03-A		
		Sample Name									
		Sample Date	12/13/2007			12/13/2007			12/13/2007		
			2 to 4 ft			2 to 4 ft			2 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
3,3'-Dichlorobenzidine	ug/Kg	14.2	230	U		260	U		260	U	
Benzo(a)anthracene	ug/Kg	150	230	U		260	U		260	U	
Chrysene	ug/Kg	15000	230	U		260	U		260	U	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	230	U		260	U		260	U	
Di-n-octylphthalate	ug/Kg	N/A	230	U		260	U		260	U	
Benzo(b)fluoranthene	ug/Kg	150	230	U		260	U		260	U	
Benzo(k)fluoranthene	ug/Kg	1500	230	U		260	U		260	U	
Benzo(a)pyrene	ug/Kg	15	230	U		260	U		260	U	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	230	U		260	U		260	U	
Dibenz(a,h)anthracene	ug/Kg	15	230	U		260	U		260	U	
Benzo(g,h,i)perylene	ug/Kg	N/A	230	U		260	U		260	U	
Chlorophenols	ug/Kg	22000	230	U		260	U		260	U	
PCBs											
Aroclor-1016	ug/Kg	390	45	U		50	U		50	U	
Aroclor-1221	ug/Kg	1.48	45	U		50	U		50	U	
Aroclor-1232	ug/Kg	1.48	45	U		50	U		50	U	
Aroclor-1242	ug/Kg	106	45	U		50	U		50	U	
Aroclor-1248	ug/Kg	104	45	U		50	U		50	U	
Aroclor-1254	ug/Kg	110	45	U		50	U		50	U	
Aroclor-1260	ug/Kg	220	45	U		50	U		50	U	
Aroclor-1262	ug/Kg	220	45	U		50	U		50	U	
Aroclor-1268	ug/Kg	220	45	U		50	U		50	U	
Pesticides											
alpha-BHC	ug/Kg	0.72	2.3	U		2.6	U		2.6	U	
beta-BHC	ug/Kg	2.6	2.3	U		2.6	U		2.6	U	
delta-BHC	ug/Kg	N/A	2.3	U		2.6	U		2.6	U	

Don Quixote Pizza - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	DQSB-01-A			DQSB-02-A			DQSB-03-A		
		Sample Name									
		Sample Date	12/13/2007			12/13/2007			12/13/2007		
			2 to 4 ft			2 to 4 ft			2 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
gamma-BHC (Lindane)	ug/Kg	24	2.3	U		2.6	U		2.6	U	
Heptachlor	ug/Kg	110	2.3	U		2.6	U		2.6	U	
Aldrin	ug/Kg	0.68	2.3	U		2.6	U		2.6	U	
Heptachlor epoxide	ug/Kg	53	2.3	U		2.6	U		2.6	U	
Endosulfan I	ug/Kg	22000	2.3	U		2.6	U		2.6	U	
Dieldrin	ug/Kg	1.22	4.5	U		5	U		5	U	
4,4'-DDE	ug/Kg	920	4.5	U		5	U		5	U	
Endrin	ug/Kg	1620	4.5	U		5	U		5	U	
Endosulfan II	ug/Kg	22000	4.5	U		5	U		5	U	
4,4'-DDD	ug/Kg	1320	4.5	U		5	U		5	U	
Endosulfan sulfate	ug/Kg	22000	4.5	U		5	U		5	U	
4,4'-DDT	ug/Kg	1340	4.5	U		5	U		5	U	
Methoxychlor	ug/Kg	31000	23	U		26	U		26	U	
Endrin ketone	ug/Kg	1620	4.5	U		5	U		5	U	
Endrin aldehyde	ug/Kg	1620	4.5	U		5	U		5	U	
alpha-Chlordane	ug/Kg	1600	2.3	U		2.6	U		2.6	U	
gamma-Chlordane	ug/Kg	1600	2.3	U		2.6	U		2.6	U	
Toxaphene	ug/Kg	440	230	U		260	U		260	U	
Inorganic Analytes											
Aluminum	mg/kg	7700	**12900**		A	**18100**		A	**16800**		A
Antimony	mg/kg	3.1	2.3	U		2.3	U		2.3	U	
Arsenic	mg/kg	0.39	**0.61**	J	A	**0.82**	J	A	**1.2**	J	A
Barium	mg/kg	1500	57.1		#	147		#	122		#
Beryllium	mg/kg	16	0.75	U		0.76	U		0.76	U	
Cadmium	mg/kg	7	0.75	U		0.76	U		0.76	U	
Calcium	mg/kg	N/A	1730		~	2940		~	2170		~
Chromium	mg/kg	0.29	**28**		A	**20.9**		A	**24.9**		A

Don Quixote Pizza - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	DQSB-01-A			DQSB-02-A			DQSB-03-A		
		Sample Name									
		Sample Date	12/13/2007			12/13/2007			12/13/2007		
			2 to 4 ft			2 to 4 ft			2 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Cobalt	mg/kg	2.3	**12.6**		A	**24**		A	**53.7**		A
Copper	mg/kg	310	50.7		#	69.6		#	57.1		#
Cyanide	mg/kg	4.7	1.1	R		3.8	R		1	R	
Iron	mg/kg	5400	**62100**		A	**61800**		A	**63400**		A
Lead	mg/kg	280	4.2		#	4		#	3		#
Magnesium	mg/kg	N/A	244	J	~	330	J	~	333	J	~
Manganese	mg/kg	21	**3780**	J	A	**6180**	J	A	**6720**	J	A
Mercury	mg/kg	2	0.12	J	#	0.11	J	#	0.16		#
Nickel	mg/kg	150	6.2		#	13.2		#	11.3		#
Potassium	mg/kg	N/A	348	J	~	569	J	~	467	J	~
Selenium	mg/kg	5.2	5.3	U		5.3	U		5.3	U	
Silver	mg/kg	12	7.8	J	#	8.1	J	#	8.2	J	#
Sodium	mg/kg	N/A	751	U		755	U		760	U	
Thallium	mg/kg	0.08	0.38	U		0.38	U		0.38	U	
Vanadium	mg/kg	39	**171**		A	**155**		A	**152**		A
Zinc	mg/kg	2300	28.1		#	35.8		#	28.1		#

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

Q - Qualifier

C - Comparison

Flag

Don Quixote Pizza - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	DQSB-01-A			DQSB-02-A			DQSB-03-A		
		Sample Name									
		Sample Date	12/13/2007			12/13/2007			12/13/2007		
			2 to 4 ft			2 to 4 ft			2 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C

PCB - Polychlorinated Biphenyl

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit
value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value
when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

Ramoncito - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RCT-01-A			RCT-02-A		
		Location	RCT-01			RCT-02		
		Sample Date	12/14/2007			12/14/2007		
			0 to 2 ft			0 to 3 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C
Volatile Organic Compounds								
Dichlorodifluoromethane	ug/Kg	6000	6.1	U		6.8	U	
Chloromethane	ug/Kg	980	6.1	U		6.8	U	
Vinyl Chloride	ug/Kg	13.8	6.1	U		6.8	U	
Bromomethane	ug/Kg	36	6.1	U		6.8	U	
Chloroethane	ug/Kg	118000	6.1	U		6.8	U	
Trichlorofluoromethane	ug/Kg	13800	6.1	U		6.8	U	
1,1-Dichloroethene	ug/Kg	50	6.1	U		6.8	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.1	U		6.8	U	
Acetone	ug/Kg	48000	14	U		14	U	
Carbon Disulfide	ug/Kg	4200	6.1	U		6.8	U	
Methyl Acetate	ug/Kg	64000	6.1	U		6.8	U	
Methylene Chloride	ug/Kg	26	6.1	U		6.8	U	
trans-1,2-Dichloroethene	ug/Kg	580	6.1	U		6.8	U	
Methyl tert-Butyl Ether	ug/Kg	56	6.1	U		6.8	U	
1,1-Dichloroethane	ug/Kg	13.6	6.1	U		6.8	U	
cis-1,2-Dichloroethene	ug/Kg	420	6.1	U		6.8	U	
2-Butanone	ug/Kg	20000	12	U		14	U	
Chlorobromomethane	ug/Kg	420	6.1	U		6.8	U	
Chloroform	ug/Kg	290	6.1	U		6.8	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.1	U		6.8	U	
Cyclohexane	ug/Kg	117000	6.1	U		6.8	U	
Carbon Tetrachloride	ug/Kg	38	6.1	U		6.8	U	
Benzene	ug/Kg	52	6.1	U		6.8	U	
1,2-Dichloroethane	ug/Kg	28	6.1	U		6.8	U	
1,4-Dioxane	ug/Kg	2.8	120	R		140	R	
Trichloroethene	ug/Kg	36	6.1	U		6.8	U	

Ramoncito - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RCT-01-A			RCT-02-A		
		Location	RCT-01			RCT-02		
		Sample Date	12/14/2007			12/14/2007		
			0 to 2 ft			0 to 3 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	6.1	U		6.8	U	
1,2-Dichloropropane	ug/Kg	34	6.1	U		6.8	U	
Bromodichloromethane	ug/Kg	270	6.1	U		6.8	U	
cis-1,3-Dichloropropene	ug/Kg	3	6.1	U		6.8	U	
4-Methyl-2-pentanone	ug/Kg	4600	12	U		14	U	
Toluene	ug/Kg	13800	6.1	U		6.8	U	
trans-1,3-Dichloropropene	ug/Kg	3	6.1	U		6.8	U	
1,1,2-Trichloroethane	ug/Kg	32	6.1	U		6.8	U	
Tetrachloroethene	ug/Kg	46	6.1	U		6.8	U	
2-Hexanone	ug/Kg	158	12	U		14	U	
Dibromochloromethane	ug/Kg	420	6.1	U		6.8	U	
1,2-Dibromoethane	ug/Kg	0.28	6.1	U		6.8	U	
Chlorobenzene	ug/Kg	1360	6.1	U		6.8	U	
Ethylbenzene	ug/Kg	5400	6.1	U		6.8	U	
o-Xylene	ug/Kg	3800	6.1	U		6.8	U	
m,p-Xylene	ug/Kg	3600	6.1	U		6.8	U	
Styrene	ug/Kg	2200	6.1	U		6.8	U	
Bromoform	ug/Kg	420	6.1	U		6.8	U	
Isopropylbenzene	ug/Kg	12800	6.1	U		6.8	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	6.1	U		6.8	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.1	U		6.8	U	
1,4-Dichlorobenzene	ug/Kg	1440	6.1	U		6.8	U	
1,2-Dichlorobenzene	ug/Kg	11600	6.1	U		6.8	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.1	U		6.8	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.1	UJ		6.8	UJ	
1,2,3-Trichlorobenzene	ug/Kg	300	6.1	U		6.8	U	

Ramoncito - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RCT-01-A			RCT-02-A		
		Location	RCT-01			RCT-02		
		Sample Date	12/14/2007			12/14/2007		
			0 to 2 ft			0 to 3 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C
Semi-Volatile Organic Compounds								
Benzaldehyde	ug/Kg	6600	250	U		250	U	
Phenol	ug/Kg	52000	250	U		250	U	
bis(2-Chloroethyl) ether	ug/Kg	0.06	250	U		250	U	
2-Chlorophenol	ug/Kg	1140	250	U		250	U	
2-Methylphenol	ug/Kg	11600	250	U		250	U	
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	250	U		250	U	
Acetophenone	ug/Kg	9000	250	U		250	U	
4-Methylphenol	ug/Kg	22000	250	U		250	U	
n-Nitroso-di-n-propylamine	ug/Kg	0.14	250	U		250	U	
Hexachloroethane	ug/Kg	9.6	250	U		250	U	
Nitrobenzene	ug/Kg	1.58	250	U		250	U	
Isophorone	ug/Kg	440	250	U		250	U	
2-Nitrophenol	ug/Kg	N/A	250	U		250	U	
2,4-Dimethylphenol	ug/Kg	6400	250	U		250	U	
bis(2-Chloroethoxy)methane	ug/Kg	220	250	U		250	U	
2,4-Dichlorophenol	ug/Kg	820	250	U		250	U	
Naphthalene	ug/Kg	9.4	250	U		250	U	
4-Chloroaniline	ug/Kg	2.6	250	UJ		250	UJ	
Hexachlorobutadiene	ug/Kg	10	250	U		250	U	
Caprolactam	ug/Kg	38000	250	U		250	U	
4-Chloro-3-methylphenol	ug/Kg	26000	250	U		250	U	
2-Methylnaphthalene	ug/Kg	2800	250	U		250	U	
Hexachlorocyclopentadiene	ug/Kg	3200	250	UJ		250	UJ	
2,4,6-Trichlorophenol	ug/Kg	260	250	U		250	U	
2,4,5-Trichlorophenol	ug/Kg	66000	250	U		250	U	
1,1'-Biphenyl	ug/Kg	174	250	U		250	U	

Ramoncito - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RCT-01-A			RCT-02-A		
		Location	RCT-01			RCT-02		
		Sample Date	12/14/2007			12/14/2007		
			0 to 2 ft			0 to 3 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C
2-Chloronaphthalene	ug/Kg	58000	250	U		250	U	
2-Nitroaniline	ug/Kg	1240	490	U		480	U	
Dimethylphthalate	ug/Kg	N/A	250	U		250	U	
2,6-Dinitrotoluene	ug/Kg	400	250	U		250	U	
Acenaphthylene	ug/Kg	N/A	250	U		250	U	
3-Nitroaniline	ug/Kg	N/A	490	U		480	U	
Acenaphthene	ug/Kg	82000	250	U		250	U	
2,4-Dinitrophenol	ug/Kg	680	490	U		480	U	
4-Nitrophenol	ug/Kg	N/A	490	U		480	U	
Dibenzofuran	ug/Kg	N/A	250	U		250	U	
2,4-Dinitrotoluene	ug/Kg	5.6	250	U		250	U	
Diethylphthalate	ug/Kg	94000	250	U		250	U	
Fluorene	ug/Kg	80000	250	U		250	U	
4-Chlorophenyl-phenylether	ug/Kg	N/A	250	U		250	U	
4-Nitroaniline	ug/Kg	28	490	U		480	U	
4,6-Dinitro-2-methylphenol	ug/Kg	40	490	U		480	U	
n-Nitrosodiphenylamine	ug/Kg	1140	250	U		250	U	
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	250	U		250	U	
4-Bromophenyl-phenylether	ug/Kg	N/A	250	U		250	U	
Hexachlorobenzene	ug/Kg	260	250	U		250	U	
Atrazine	ug/Kg	38	250	U		250	U	
Pentachlorophenol	ug/Kg	200	490	U		480	U	
Phenanthrene	ug/Kg	N/A	170	J	~	250	U	
Anthracene	ug/Kg	840000	250	U		250	U	
Carbazole	ug/Kg	N/A	250	U		250	U	

Ramoncito - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RCT-01-A			RCT-02-A		
		Location	RCT-01			RCT-02		
		Sample Date	12/14/2007			12/14/2007		
			0 to 2 ft			0 to 3 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C
Di-n-butylphthalate	ug/Kg	34000	250	U		250	U	
Fluoranthene	ug/Kg	230000	310		#	250	U	
Pyrene	ug/Kg	170000	240	J	#	250	U	
Butylbenzylphthalate	ug/Kg	4000	250	U		250	U	
3,3'-Dichlorobenzidine	ug/Kg	14.2	250	UJ		250	UJ	
Benzo(a)anthracene	ug/Kg	150	130	J	#	250	U	
Chrysene	ug/Kg	15000	120	J	#	250	U	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	250	U		250	U	
Di-n-octylphthalate	ug/Kg	N/A	250	U		250	U	
Benzo(b)fluoranthene	ug/Kg	150	120	J	#	250	UJ	
Benzo(k)fluoranthene	ug/Kg	1500	90	J	#	250	U	
Benzo(a)pyrene	ug/Kg	15	**100**	J	A	250	U	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	69	J	#	250	U	
Dibenz(a,h)anthracene	ug/Kg	15	250	U		250	U	
Benzo(g,h,i)perylene	ug/Kg	N/A	250	U		250	U	
Chlorophenols	ug/Kg	22000	250	U		250	U	
PCBs								
Aroclor-1016	ug/Kg	390	49	U		48	U	
Aroclor-1221	ug/Kg	1.48	49	U		48	U	
Aroclor-1232	ug/Kg	1.48	49	U		48	U	
Aroclor-1242	ug/Kg	106	49	U		48	U	
Aroclor-1248	ug/Kg	104	49	U		48	U	
Aroclor-1254	ug/Kg	110	49	U		48	U	
Aroclor-1260	ug/Kg	220	49	U		48	U	
Aroclor-1262	ug/Kg	220	49	U		48	U	
Aroclor-1268	ug/Kg	220	49	U		48	U	

Ramoncito - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RCT-01-A			RCT-02-A		
		Location	RCT-01			RCT-02		
		Sample Date	12/14/2007			12/14/2007		
			0 to 2 ft			0 to 3 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C
Pesticides								
alpha-BHC	ug/Kg	0.72	2.5	U		2.5	U	
beta-BHC	ug/Kg	2.6	2.5	U		2.5	U	
delta-BHC	ug/Kg	N/A	2.5	U		2.5	U	
gamma-BHC (Lindane)	ug/Kg	24	2.5	U		2.5	U	
Heptachlor	ug/Kg	110	2.5	U		2.5	U	
Aldrin	ug/Kg	0.68	2.5	U		2.5	U	
Heptachlor epoxide	ug/Kg	53	2.5	U		2.5	U	
Endosulfan I	ug/Kg	22000	2.5	U		2.5	U	
Dieldrin	ug/Kg	1.22	4.9	U		4.8	U	
4,4'-DDE	ug/Kg	920	4.9	U		2.1	J	#
Endrin	ug/Kg	1620	4.9	U		4.8	U	
Endosulfan II	ug/Kg	22000	4.9	U		4.8	U	
4,4'-DDD	ug/Kg	1320	4.9	U		4.8	U	
Endosulfan sulfate	ug/Kg	22000	4.9	U		4.8	U	
4,4'-DDT	ug/Kg	1340	4.9	U		4.8	U	
Methoxychlor	ug/Kg	31000	25	U		25	U	
Endrin ketone	ug/Kg	1620	4.9	U		4.8	U	
Endrin aldehyde	ug/Kg	1620	4.9	U		4.8	U	
alpha-Chlordane	ug/Kg	1600	2.5	U		2.5	U	
gamma-Chlordane	ug/Kg	1600	2.5	U		2.5	U	
Toxaphene	ug/Kg	440	250	U		250	U	
Inorganic Analytes								
Aluminum	mg/kg	7700	5470		#	**7730**		A
Antimony	mg/kg	3.1	2.2	U		2.2	U	

Ramoncito - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RCT-01-A			RCT-02-A		
		Location	RCT-01			RCT-02		
		Sample Date	12/14/2007			12/14/2007		
			0 to 2 ft			0 to 3 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C
Arsenic	mg/kg	0.39	1.5	U		**1.6**		A
Barium	mg/kg	1500	29.1	U		29	U	
Beryllium	mg/kg	16	0.73	U		0.73	U	
Cadmium	mg/kg	7	0.73	U		0.73	U	
Calcium	mg/kg	N/A	759		~	2000		~
Chromium	mg/kg	0.29	**38.7**		A	**43.5**		A
Cobalt	mg/kg	2.3	7.3	U		0.29	J	#
Copper	mg/kg	310	19		#	23.8		#
Cyanide	mg/kg	4.7	0.77	R		0.95	R	
Iron	mg/kg	5400	**32000**		A	**36400**		A
Lead	mg/kg	280	0.85	J	#	3.6		#
Magnesium	mg/kg	N/A	281	J	~	365	J	~
Manganese	mg/kg	21	**107**	J	A	**526**	J	A
Mercury	mg/kg	2	0.16		#	0.086	J	#
Nickel	mg/kg	150	0.83	J	#	1.6	J	#
Potassium	mg/kg	N/A	90.1	J	~	197	J	~
Selenium	mg/kg	5.2	5.1	U		5.1	U	
Silver	mg/kg	12	4.1	J	#	5.2	J	#
Sodium	mg/kg	N/A	727	U		726	U	
Thallium	mg/kg	0.08	0.37	U		0.36	U	
Vanadium	mg/kg	39	**138**		A	**141**		A
Zinc	mg/kg	2300	14.1		#	35.4		#

Ramoncito - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RCT-01-A			RCT-02-A		
		Location	RCT-01			RCT-02		
		Sample Date	12/14/2007			12/14/2007		
			0 to 2 ft			0 to 3 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Comparison Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-01-A			IDCSB-05-A			IDCSB-03-A			IDCSB-03-B			IDCSB-03-B-DUP		
		Location	IDCSB-01			IDCSB-05			IDCSB-03			IDCSB-03			IDCSB-03		
		Sample Date	12/13/2007			6/3/2010			12/13/2007			12/13/2007			12/13/2007		
		Depth	1 to 4 ft			0 to 4 ft			3 to 4 ft			4 to 6 ft			4 to 6 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																	
Dichlorodifluoromethane	ug/Kg	6000	5	U		6	U		980	U		19000	U		780	U	
Chloromethane	ug/Kg	980	5	U		6	U		980	U		19000	U		780	U	
Vinyl Chloride	ug/Kg	13.8	5	U		**18**		A	980	U		19000	U		780	U	
Bromomethane	ug/Kg	36	5	U		6	U		980	U		19000	U		780	U	
Chloroethane	ug/Kg	118000	5	U		6	U		980	U		19000	U		780	U	
Trichlorofluoromethane	ug/Kg	13800	5	U		6	U		980	U		19000	U		780	U	
1,1-Dichloroethene	ug/Kg	50	5	U		6	U		980	U		19000	U		780	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	5	U		6	U		980	U		19000	U		780	U	
Acetone	ug/Kg	48000	10	U		9.9	J	#	2000	U		39000	U		1600	U	
Carbon Disulfide	ug/Kg	4200	5	U		6	U		980	U		19000	U		780	U	
Methyl Acetate	ug/Kg	64000	5	U		6	U		460	J	#	19000	U		780	U	
Methylene Chloride	ug/Kg	26	5	U		6	U		980	U		19000	U		780	U	
trans-1,2-Dichloroethene	ug/Kg	580	5	U		6	J	#	980	U		19000	U		780	U	
Methyl tert-Butyl Ether	ug/Kg	56	5	U		6	U		980	U		19000	U		780	U	
1,1-Dichloroethane	ug/Kg	13.6	5	U		6	U		980	U		19000	U		780	U	
cis-1,2-Dichloroethene	ug/Kg	420	3.9	J	#	260	J	#	**14000**		A	**14000**	J	A	780	U	
2-Butanone	ug/Kg	20000	10	U		12	U		2000	U		39000	U		1600	U	
Chlorobromomethane	ug/Kg	420	5	U		6	U		980	U		19000	U		780	U	
Chloroform	ug/Kg	290	5	U		6	U		980	U		19000	U		780	U	
1,1,1-Trichloroethane	ug/Kg	1400	5	U		6	U		980	U		19000	U		780	U	
Cyclohexane	ug/Kg	117000	5	U		6	U		980	U		19000	U		780	U	
Carbon Tetrachloride	ug/Kg	38	5	U		6	U		980	U		19000	U		780	U	
Benzene	ug/Kg	52	5	U		6	U		980	U		19000	U		780	U	
1,2-Dichloroethane	ug/Kg	28	5	U		6	U		980	U		19000	U		780	U	
1,4-Dioxane	ug/Kg	2.8	100	R		120	R		20000	R		390000	R		16000	R	
Trichloroethene	ug/Kg	36	2.3	J	#	5.6	J	#	**12000**		A	**39000**		A	780	U	

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-01-A			IDCSB-05-A			IDCSB-03-A			IDCSB-03-B			IDCSB-03-B-DUP		
		Location	IDCSB-01			IDCSB-05			IDCSB-03			IDCSB-03			IDCSB-03		
		Sample Date	12/13/2007			6/3/2010			12/13/2007			12/13/2007			12/13/2007		
		Depth	1 to 4 ft			0 to 4 ft			3 to 4 ft			4 to 6 ft			4 to 6 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	5	U		6	U		980	U		19000	U		780	U	
1,2-Dichloropropane	ug/Kg	34	5	U		6	U		980	U		19000	U		780	U	
Bromodichloromethane	ug/Kg	270	5	U		6	U		980	U		19000	U		780	U	
cis-1,3-Dichloropropene	ug/Kg	3	5	U		2.4	U		980	U		19000	U		780	U	
4-Methyl-2-pentanone	ug/Kg	4600	10	U		12	U		2000	U		39000	U		1600	U	
Toluene	ug/Kg	13800	5	U		6	U		980	U		19000	U		780	U	
trans-1,3-Dichloropropene	ug/Kg	3	5	U		2.4	U		980	U		19000	U		780	U	
1,1,2-Trichloroethane	ug/Kg	32	5	U		6	U		980	U		19000	U		780	U	
Tetrachloroethene	ug/Kg	46	5	U		6	U		**16000**		A	**270000**		A	**11000**		A
2-Hexanone	ug/Kg	158	10	U		12	U		2000	U		39000	U		1600	U	
Dibromochloromethane	ug/Kg	420	5	U		6	U		980	U		19000	U		780	U	
1,2-Dibromoethane	ug/Kg	0.28	5	U		6	U		980	U		19000	U		780	U	
Chlorobenzene	ug/Kg	1360	5	U		6	U		980	U		19000	U		780	U	
Ethylbenzene	ug/Kg	5400	5	U		6	U		980	U		19000	U		780	U	
o-Xylene	ug/Kg	3800	5	U		6	U		980	U		19000	U		780	U	
m,p-Xylene	ug/Kg	3600	5	U		6	U		980	U		19000	U		780	U	
Styrene	ug/Kg	2200	5	U		6	U		980	U		19000	U		780	U	
Bromoform	ug/Kg	420	5	U		6	U		980	U		19000	U		780	U	
Isopropylbenzene	ug/Kg	12800	5	U		6	U		980	U		19000	U		780	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	5	U		2.4	U		980	U		19000	U		780	U	
1,3-Dichlorobenzene	ug/Kg	N/A	5	U		6	U		980	U		19000	U		780	U	
1,4-Dichlorobenzene	ug/Kg	1440	0.78	J	#	6	U		980	U		19000	U		780	U	
1,2-Dichlorobenzene	ug/Kg	11600	5	U		6	U		980	U		19000	U		780	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	5	U		6	U		980	U		19000	U		780	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	5	UJ		6	U		980	U		19000	U		780	U	
1,2,3-Trichlorobenzene	ug/Kg	300	5	U		6	U		980	U		19000	U		780	U	
Semi-Volatile Organic Compounds																	

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-01-A			IDCSB-05-A			IDCSB-03-A			IDCSB-03-B			IDCSB-03-B-DUP		
		Location	IDCSB-01			IDCSB-05			IDCSB-03			IDCSB-03			IDCSB-03		
		Sample Date	12/13/2007			6/3/2010			12/13/2007			12/13/2007			12/13/2007		
		Depth	1 to 4 ft			0 to 4 ft			3 to 4 ft			4 to 6 ft			4 to 6 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/Kg	6600	240	U					230	U		250	U		210	U	
Phenol	ug/Kg	52000	240	U					230	U		250	U		210	U	
bis(2-Chloroethyl) ether	ug/Kg	0.06	240	U					230	U		250	U		210	U	
2-Chlorophenol	ug/Kg	1140	240	U					230	U		250	U		210	U	
2-Methylphenol	ug/Kg	11600	240	U					230	U		250	U		210	U	
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	240	U					230	U		250	U		210	U	
Acetophenone	ug/Kg	9000	240	U					230	U		250	U		210	U	
4-Methylphenol	ug/Kg	22000	240	U					230	U		250	U		210	U	
n-Nitroso-di-n-propylamine	ug/Kg	0.14	240	U					230	U		250	U		210	U	
Hexachloroethane	ug/Kg	9.6	240	U					230	U		250	U		210	U	
Nitrobenzene	ug/Kg	1.58	240	UJ					230	UJ		250	UJ		210	UJ	
Isophorone	ug/Kg	440	240	U					230	U		250	U		210	U	
2-Nitrophenol	ug/Kg	N/A	240	U					230	U		250	U		210	U	
2,4-Dimethylphenol	ug/Kg	6400	240	U					230	U		250	U		210	U	
bis(2-Chloroethoxy)methane	ug/Kg	220	240	U					230	U		250	U		210	U	
2,4-Dichlorophenol	ug/Kg	820	240	U					230	U		250	U		210	U	
Naphthalene	ug/Kg	9.4	240	U					230	U		**89**	J	A	**80**	J	A
4-Chloroaniline	ug/Kg	2.6	240	U					230	U		250	U		210	U	
Hexachlorobutadiene	ug/Kg	10	240	U					230	U		250	U		210	U	
Caprolactam	ug/Kg	38000	240	U					230	U		250	U		210	U	
4-Chloro-3-methylphenol	ug/Kg	26000	240	U					230	U		250	U		210	U	
2-Methylnaphthalene	ug/Kg	2800	240	U					150	J	#	390		#	390		#
Hexachlorocyclopentadiene	ug/Kg	3200	240	U					230	U		250	U		210	U	
2,4,6-Trichlorophenol	ug/Kg	260	240	U					230	U		250	U		210	U	
2,4,5-Trichlorophenol	ug/Kg	66000	240	U					230	U		250	U		210	U	
1,1'-Biphenyl	ug/Kg	174	240	U					49	J	#	120	J	#	120	J	#
2-Chloronaphthalene	ug/Kg	58000	240	U					230	U		250	U		210	U	
2-Nitroaniline	ug/Kg	1240	470	U					450	U		490	U		410	U	

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-01-A			IDCSB-05-A			IDCSB-03-A			IDCSB-03-B			IDCSB-03-B-DUP		
		Location	IDCSB-01			IDCSB-05			IDCSB-03			IDCSB-03			IDCSB-03		
		Sample Date	12/13/2007			6/3/2010			12/13/2007			12/13/2007			12/13/2007		
		Depth	1 to 4 ft			0 to 4 ft			3 to 4 ft			4 to 6 ft			4 to 6 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Dimethylphthalate	ug/Kg	N/A	240	U					230	U		250	U		210	U	
2,6-Dinitrotoluene	ug/Kg	400	240	U					230	U		250	U		210	U	
Acenaphthylene	ug/Kg	N/A	240	U					230	U		250	U		210	U	
3-Nitroaniline	ug/Kg	N/A	470	U					450	U		490	U		410	U	
Acenaphthene	ug/Kg	82000	240	U					230	U		250	U		210	U	
2,4-Dinitrophenol	ug/Kg	680	470	U					450	U		490	U		410	U	
4-Nitrophenol	ug/Kg	N/A	470	U					450	U		490	U		410	U	
Dibenzofuran	ug/Kg	N/A	240	U					230	U		250	U		210	U	
2,4-Dinitrotoluene	ug/Kg	5.6	240	U					230	U		250	U		210	U	
Diethylphthalate	ug/Kg	94000	240	U					230	U		250	U		210	U	
Fluorene	ug/Kg	80000	240	U					230	U		250	U		76	J	#
4-Chlorophenyl-phenylether	ug/Kg	N/A	240	U					230	U		250	U		210	U	
4-Nitroaniline	ug/Kg	28	470	U					450	U		490	U		410	U	
4,6-Dinitro-2-methylphenol	ug/Kg	40	470	U					450	U		490	U		410	U	
n-Nitrosodiphenylamine	ug/Kg	1140	240	U					130	J	#	180	J	#	140	J	#
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	240	U					230	U		250	U		210	U	
4-Bromophenyl-phenylether	ug/Kg	N/A	240	U					230	U		250	U		210	U	
Hexachlorobenzene	ug/Kg	260	240	U					230	U		250	U		210	U	
Atrazine	ug/Kg	38	240	U					230	U		250	U		210	U	
Pentachlorophenol	ug/Kg	200	470	U					450	U		490	U		410	U	
Phenanthrene	ug/Kg	N/A	240	U					210	J	~	150	J	~	140	J	~
Anthracene	ug/Kg	840000	240	U					230	U		250	U		210	U	
Carbazole	ug/Kg	N/A	240	U					230	U		250	U		210	U	
Di-n-butylphthalate	ug/Kg	34000	240	U					46	J	#	250	U		210	U	
Fluoranthene	ug/Kg	230000	240	U					510		#	250	UJ		210	UJ	
Pyrene	ug/Kg	170000	240	U					490		#	83	J	#	60	J	#
Butylbenzylphthalate	ug/Kg	4000	240	U					77	J	#	53	J	#	66	J	#
3,3'-Dichlorobenzidine	ug/Kg	14.2	240	U					230	U		250	U		210	U	

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-01-A			IDCSB-05-A			IDCSB-03-A			IDCSB-03-B			IDCSB-03-B-DUP		
		Location	IDCSB-01			IDCSB-05			IDCSB-03			IDCSB-03			IDCSB-03		
		Sample Date	12/13/2007			6/3/2010			12/13/2007			12/13/2007			12/13/2007		
		Depth	1 to 4 ft			0 to 4 ft			3 to 4 ft			4 to 6 ft			4 to 6 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzo(a)anthracene	ug/Kg	150	240	U					**370**		A	250	UJ		210	UJ	
Chrysene	ug/Kg	15000	240	U					430		#	250	UJ		210	UJ	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	240	U					1200		#	850	U		690	U	
Di-n-octylphthalate	ug/Kg	N/A	240	U					170	J	~	140	J	~	90	J	~
Benzo(b)fluoranthene	ug/Kg	150	240	U					**510**		A	250	U		210	U	
Benzo(k)fluoranthene	ug/Kg	1500	240	U					380		#	250	U		210	U	
Benzo(a)pyrene	ug/Kg	15	240	U					**400**		A	250	U		210	U	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	240	U					**270**		A	250	U		210	U	
Dibenz(a,h)anthracene	ug/Kg	15	240	U					**87**	J	A	250	U		210	U	
Benzo(g,h,i)perylene	ug/Kg	N/A	240	U					150	J	~	250	U		210	U	
Chlorophenols	ug/Kg	22000	240	U					230	U		250	U		210	U	
PCBs																	
Aroclor-1016	ug/Kg	390	47	U					45	U		49	U		41	U	
Aroclor-1221	ug/Kg	1.48	47	U					45	U		49	U		41	U	
Aroclor-1232	ug/Kg	1.48	47	U					45	U		49	U		41	U	
Aroclor-1242	ug/Kg	106	47	U					45	U		49	U		41	U	
Aroclor-1248	ug/Kg	104	47	U					45	U		49	U		41	U	
Aroclor-1254	ug/Kg	110	47	U					45	U		49	U		41	U	
Aroclor-1260	ug/Kg	220	47	U					45	U		49	U		41	U	
Aroclor-1262	ug/Kg	220	47	U					45	U		49	U		41	U	
Aroclor-1268	ug/Kg	220	47	U					45	U		49	U		41	U	
Pesticides																	
alpha-BHC	ug/Kg	0.72	2.4	U					2.3	U		2.5	U		2.1	U	
beta-BHC	ug/Kg	2.6	2.4	U					2.3	U		1.9	J	#	2	J	#
delta-BHC	ug/Kg	N/A	2.4	U					2.3	U		2.5	U		2.1	U	
gamma-BHC (Lindane)	ug/Kg	24	2.4	U					2.3	U		2.5	U		2.1	U	

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-01-A			IDCSB-05-A			IDCSB-03-A			IDCSB-03-B			IDCSB-03-B-DUP		
		Location	IDCSB-01			IDCSB-05			IDCSB-03			IDCSB-03			IDCSB-03		
		Sample Date	12/13/2007			6/3/2010			12/13/2007			12/13/2007			12/13/2007		
		Depth	1 to 4 ft			0 to 4 ft			3 to 4 ft			4 to 6 ft			4 to 6 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Heptachlor	ug/Kg	110	2.4	U					2.3	U		2.5	U		2.1	U	
Aldrin	ug/Kg	0.68	2.4	U					2.3	U		2.5	U		2.1	U	
Heptachlor epoxide	ug/Kg	53	2.4	U					2.3	U		1.3	J	#	2.1	U	
Endosulfan I	ug/Kg	22000	2.4	U					2.3	U		2.5	U		2.1	U	
Dieldrin	ug/Kg	1.22	4.7	U					**6.2**		A	**2.4**	J	A	**2.7**	J	A
4,4'-DDE	ug/Kg	920	4.7	U					4.2	J	#	5.2		#	2.5	J	#
Endrin	ug/Kg	1620	4.7	U					4.5	U		4.9	U		4.1	U	
Endosulfan II	ug/Kg	22000	4.7	U					4.5	U		4.9	U		4.1	U	
4,4'-DDD	ug/Kg	1320	4.7	U					1.1	J	#	1.6	J	#	4.1	U	
Endosulfan sulfate	ug/Kg	22000	4.7	U					1.1	J	#	4.9	U		4.1	U	
4,4'-DDT	ug/Kg	1340	4.7	U					2.6	J	#	4.9	U		4.1	U	
Methoxychlor	ug/Kg	31000	24	U					23	U		25	U		21	U	
Endrin ketone	ug/Kg	1620	4.7	U					1.3	J	#	4.9	U		4.1	U	
Endrin aldehyde	ug/Kg	1620	4.7	U					4.5	U		4.9	U		4.1	U	
alpha-Chlordane	ug/Kg	1600	2.4	U					0.49	J	#	2.5	U		2.1	U	
gamma-Chlordane	ug/Kg	1600	2.4	U					2.3	U		2.5	U		2.1	U	
Toxaphene	ug/Kg	440	240	U					230	U		250	U		210	U	
Inorganic Analytes																	
Aluminum	mg/kg	7700	**13000**		A				**12200**		A	**12400**		A	**14000**		A
Antimony	mg/kg	3.1	2.2	U					2.2	U		2.3	U		2.3	U	
Arsenic	mg/kg	0.39	**2.1**		A				**3.5**		A	**1.2**	J	A	**0.84**	J	A
Barium	mg/kg	1500	195		#				152		#	119		#	192		#
Beryllium	mg/kg	16	0.71	U					0.71	U		0.79	U		0.76	U	
Cadmium	mg/kg	7	0.71	U					0.71	U		0.79	U		0.76	U	
Calcium	mg/kg	N/A	6400		~				44100		~	16700	J	~	8110	J	~
Chromium	mg/kg	0.29	**23.7**		A				**26.6**		A	**18.5**		A	**24.4**		A
Cobalt	mg/kg	2.3	**36.2**		A				**16.6**		A	**31.2**		A	**35.3**		A

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-01-A			IDCSB-05-A			IDCSB-03-A			IDCSB-03-B			IDCSB-03-B-DUP		
		Location	IDCSB-01			IDCSB-05			IDCSB-03			IDCSB-03			IDCSB-03		
		Sample Date	12/13/2007			6/3/2010			12/13/2007			12/13/2007			12/13/2007		
		Depth	1 to 4 ft			0 to 4 ft			3 to 4 ft			4 to 6 ft			4 to 6 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Copper	mg/kg	310	71		#				74.4		#	65.7		#	73		#
Cyanide	mg/kg	4.7	0.86	R					0.3	R		0.24	R		0.23	R	
Iron	mg/kg	5400	**56700**		A				**44900**		A	**43300**		A	**53700**		A
Lead	mg/kg	280	62.5		#				53.9		#	24.1		#	25.5		#
Magnesium	mg/kg	N/A	1930		~				3080		~	2330		~	2120		~
Manganese	mg/kg	21	**2720**	J	A				**922**	J	A	**2370**	J	A	**2650**	J	A
Mercury	mg/kg	2	0.65		#				0.67		#	0.24	J	#	0.66	J	#
Nickel	mg/kg	150	7.3		#				11		#	6.9		#	6.4		#
Potassium	mg/kg	N/A	726	J	~				722	J	~	650	J	~	518	J	~
Selenium	mg/kg	5.2	5	U					5	U		5.6	U		5.3	U	
Silver	mg/kg	12	7.4	J	#				5.6	J	#	5.4	J	#	6.8	J	#
Sodium	mg/kg	N/A	714	U					710	U		794	U		761	U	
Thallium	mg/kg	0.08	0.36	U					0.36	U		0.39	U		0.38	U	
Vanadium	mg/kg	39	**197**		A				**115**		A	**157**		A	**205**		A
Zinc	mg/kg	2300	423		#				518		#	222		#	245		#
Additional Parameters																	
% GRANULE & LARGER >2 MM	%	N/A	1		~												
% VERY COURSE SAND >1 - 2 MM	%	N/A	1		~												
% COARSE SAND >.5 - 1 MM	%	N/A	2		~												
% MEDIUM SAND >.25 - .5 MM	%	N/A	3		~												
% FINE SAND >.125 - .25 MM	%	N/A	3		~												
% VERY FINE SAND >.0625 - .125 MM	%	N/A	2		~												
% SILT	%	N/A	16		~												
% CLAY & COLLOIDS	%	N/A	72		~												
pH	s.u.	N/A	8		~												
Total Organic Carbon	mg/Kg	N/A	5700		~												

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-01-A			IDCSB-05-A			IDCSB-03-A			IDCSB-03-B			IDCSB-03-B-DUP		
		Location	IDCSB-01			IDCSB-05			IDCSB-03			IDCSB-03			IDCSB-03		
		Sample Date	12/13/2007			6/3/2010			12/13/2007			12/13/2007			12/13/2007		
		Depth	1 to 4 ft			0 to 4 ft			3 to 4 ft			4 to 6 ft			4 to 6 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Comparison Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-04-A			IDCSB-05-B			IDCSB-05-C			IDCSB-05-C-DUP			IDCSB-05-D			IDCSB-05-E		
		Location	IDCSB-04			IDCSB-05			IDCSB-05			IDCSB-05			IDCSB-05			IDCSB-05		
		Sample Date	12/13/2007			6/3/2010			6/3/2010			6/3/2010			6/3/2010			6/3/2010		
		Depth	2 to 4 ft			4 to 8 ft			8 to 12 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
Chloromethane	ug/Kg	980	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
Vinyl Chloride	ug/Kg	13.8	6.5	U		**39**		A	**100**		A	**60**		A	**21**		A	8	U	
Bromomethane	ug/Kg	36	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
Chloroethane	ug/Kg	118000	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
Trichlorofluoromethane	ug/Kg	13800	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
1,1-Dichloroethene	ug/Kg	50	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
Acetone	ug/Kg	48000	21	U		3.7	J	#	14	U		14	U		5.1	J	#	8.5	J	#
Carbon Disulfide	ug/Kg	4200	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
Methyl Acetate	ug/Kg	64000	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
Methylene Chloride	ug/Kg	26	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
trans-1,2-Dichloroethene	ug/Kg	580	0.87	J	#	19		#	32		#	19		#	10		#	1.3	J	#
Methyl tert-Butyl Ether	ug/Kg	56	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
1,1-Dichloroethane	ug/Kg	13.6	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
cis-1,2-Dichloroethene	ug/Kg	420	15		#	**1200**	J	A	**750**		A	**960**		A	**770**		A	190		#
2-Butanone	ug/Kg	20000	13	U		12	U		14	U		14	U		15	U		16	U	
Chlorobromomethane	ug/Kg	420	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
Chloroform	ug/Kg	290	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
Cyclohexane	ug/Kg	117000	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
Carbon Tetrachloride	ug/Kg	38	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
Benzene	ug/Kg	52	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
1,2-Dichloroethane	ug/Kg	28	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
1,4-Dioxane	ug/Kg	2.8	130	R		120	R		140	R		140	R		150	R		160	R	
Trichloroethene	ug/Kg	36	2.5	J	#	**240**	J	A	**210**	J	A	**270**	J	A	**220**	J	A	**65**		A

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-04-A			IDCSB-05-B			IDCSB-05-C			IDCSB-05-C-DUP			IDCSB-05-D			IDCSB-05-E		
		Location	IDCSB-04			IDCSB-05			IDCSB-05			IDCSB-05			IDCSB-05			IDCSB-05		
		Sample Date	12/13/2007			6/3/2010			6/3/2010			6/3/2010			6/3/2010			6/3/2010		
		Depth	2 to 4 ft			4 to 8 ft			8 to 12 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
1,2-Dichloropropane	ug/Kg	34	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
Bromodichloromethane	ug/Kg	270	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
cis-1,3-Dichloropropene	ug/Kg	3	6.5	U		2.4	U		2.8	U		2.7	U		2.9	U		3.2	U	
4-Methyl-2-pentanone	ug/Kg	4600	13	U		12	U		14	U		14	U		15	U		16	U	
Toluene	ug/Kg	13800	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
trans-1,3-Dichloropropene	ug/Kg	3	6.5	U		2.4	U		2.8	U		2.7	U		2.9	U		3.2	U	
1,1,2-Trichloroethane	ug/Kg	32	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
Tetrachloroethene	ug/Kg	46	6.5	U		**1200**	J	A	**1600**		A	**1900**		A	**2800**		A	**1200**		A
2-Hexanone	ug/Kg	158	13	U		12	U		14	U		14	U		15	U		16	U	
Dibromochloromethane	ug/Kg	420	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
1,2-Dibromoethane	ug/Kg	0.28	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
Chlorobenzene	ug/Kg	1360	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
Ethylbenzene	ug/Kg	5400	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
o-Xylene	ug/Kg	3800	6.5	U		6.1	U		0.82	J	#	0.55	J	#	1.1	J	#	8	U	
m,p-Xylene	ug/Kg	3600	6.5	U		6.1	U		0.82	J	#	0.68	J	#	0.91	J	#	8	U	
Styrene	ug/Kg	2200	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
Bromoform	ug/Kg	420	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
Isopropylbenzene	ug/Kg	12800	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	6.5	U		2.4	U		2.8	U		2.7	U		2.9	U		3.2	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
1,4-Dichlorobenzene	ug/Kg	1440	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
1,2-Dichlorobenzene	ug/Kg	11600	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.5	UJ		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
1,2,3-Trichlorobenzene	ug/Kg	300	6.5	U		6.1	U		6.9	U		6.8	U		7.3	U		8	U	
Semi-Volatile Organic Compounds																				

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-04-A			IDCSB-05-B			IDCSB-05-C			IDCSB-05-C-DUP			IDCSB-05-D			IDCSB-05-E		
		Location	IDCSB-04			IDCSB-05			IDCSB-05			IDCSB-05			IDCSB-05			IDCSB-05		
		Sample Date	12/13/2007			6/3/2010			6/3/2010			6/3/2010			6/3/2010			6/3/2010		
		Depth	2 to 4 ft			4 to 8 ft			8 to 12 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/Kg	6600	240	U																
Phenol	ug/Kg	52000	240	U																
bis(2-Chloroethyl) ether	ug/Kg	0.06	240	U																
2-Chlorophenol	ug/Kg	1140	240	U																
2-Methylphenol	ug/Kg	11600	240	U																
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	240	U																
Acetophenone	ug/Kg	9000	240	U																
4-Methylphenol	ug/Kg	22000	240	U																
n-Nitroso-di-n-propylamine	ug/Kg	0.14	240	U																
Hexachloroethane	ug/Kg	9.6	240	U																
Nitrobenzene	ug/Kg	1.58	240	UJ																
Isophorone	ug/Kg	440	240	U																
2-Nitrophenol	ug/Kg	N/A	240	U																
2,4-Dimethylphenol	ug/Kg	6400	240	U																
bis(2-Chloroethoxy)methane	ug/Kg	220	240	U																
2,4-Dichlorophenol	ug/Kg	820	240	U																
Naphthalene	ug/Kg	9.4	240	U																
4-Chloroaniline	ug/Kg	2.6	240	U																
Hexachlorobutadiene	ug/Kg	10	240	U																
Caprolactam	ug/Kg	38000	240	UJ																
4-Chloro-3-methylphenol	ug/Kg	26000	240	U																
2-Methylnaphthalene	ug/Kg	2800	240	U																
Hexachlorocyclopentadiene	ug/Kg	3200	240	U																
2,4,6-Trichlorophenol	ug/Kg	260	240	U																
2,4,5-Trichlorophenol	ug/Kg	66000	240	U																
1,1'-Biphenyl	ug/Kg	174	240	UJ																
2-Chloronaphthalene	ug/Kg	58000	240	U																
2-Nitroaniline	ug/Kg	1240	460	U																

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-04-A			IDCSB-05-B			IDCSB-05-C			IDCSB-05-C-DUP			IDCSB-05-D			IDCSB-05-E		
		Location	IDCSB-04			IDCSB-05			IDCSB-05			IDCSB-05			IDCSB-05			IDCSB-05		
		Sample Date	12/13/2007			6/3/2010			6/3/2010			6/3/2010			6/3/2010			6/3/2010		
		Depth	2 to 4 ft			4 to 8 ft			8 to 12 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Dimethylphthalate	ug/Kg	N/A	240	UJ																
2,6-Dinitrotoluene	ug/Kg	400	240	U																
Acenaphthylene	ug/Kg	N/A	240	U																
3-Nitroaniline	ug/Kg	N/A	460	U																
Acenaphthene	ug/Kg	82000	240	U																
2,4-Dinitrophenol	ug/Kg	680	460	U																
4-Nitrophenol	ug/Kg	N/A	460	U																
Dibenzofuran	ug/Kg	N/A	240	UJ																
2,4-Dinitrotoluene	ug/Kg	5.6	240	U																
Diethylphthalate	ug/Kg	94000	240	UJ																
Fluorene	ug/Kg	80000	240	UJ																
4-Chlorophenyl-phenylether	ug/Kg	N/A	240	UJ																
4-Nitroaniline	ug/Kg	28	460	U																
4,6-Dinitro-2-methylphenol	ug/Kg	40	460	U																
n-Nitrosodiphenylamine	ug/Kg	1140	240	U																
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	240	U																
4-Bromophenyl-phenylether	ug/Kg	N/A	240	UJ																
Hexachlorobenzene	ug/Kg	260	240	U																
Atrazine	ug/Kg	38	240	U																
Pentachlorophenol	ug/Kg	200	460	U																
Phenanthrene	ug/Kg	N/A	240	U																
Anthracene	ug/Kg	840000	240	U																
Carbazole	ug/Kg	N/A	240	UJ																
Di-n-butylphthalate	ug/Kg	34000	240	UJ																
Fluoranthene	ug/Kg	230000	240	U																
Pyrene	ug/Kg	170000	240	U																
Butylbenzylphthalate	ug/Kg	4000	240	UJ																
3,3'-Dichlorobenzidine	ug/Kg	14.2	240	U																

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-04-A			IDCSB-05-B			IDCSB-05-C			IDCSB-05-C-DUP			IDCSB-05-D			IDCSB-05-E		
		Location	IDCSB-04			IDCSB-05			IDCSB-05			IDCSB-05			IDCSB-05			IDCSB-05		
		Sample Date	12/13/2007			6/3/2010			6/3/2010			6/3/2010			6/3/2010			6/3/2010		
		Depth	2 to 4 ft			4 to 8 ft			8 to 12 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzo(a)anthracene	ug/Kg	150	240	U																
Chrysene	ug/Kg	15000	240	U																
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	240	UJ																
Di-n-octylphthalate	ug/Kg	N/A	240	UJ																
Benzo(b)fluoranthene	ug/Kg	150	240	U																
Benzo(k)fluoranthene	ug/Kg	1500	240	U																
Benzo(a)pyrene	ug/Kg	15	240	U																
Indeno(1,2,3-cd)pyrene	ug/Kg	150	240	U																
Dibenz(a,h)anthracene	ug/Kg	15	240	U																
Benzo(g,h,i)perylene	ug/Kg	N/A	240	U																
Chlorophenols	ug/Kg	22000	240	U																
PCBs																				
Aroclor-1016	ug/Kg	390	46	U																
Aroclor-1221	ug/Kg	1.48	46	U																
Aroclor-1232	ug/Kg	1.48	46	U																
Aroclor-1242	ug/Kg	106	46	U																
Aroclor-1248	ug/Kg	104	46	U																
Aroclor-1254	ug/Kg	110	46	U																
Aroclor-1260	ug/Kg	220	46	U																
Aroclor-1262	ug/Kg	220	46	U																
Aroclor-1268	ug/Kg	220	46	U																
Pesticides																				
alpha-BHC	ug/Kg	0.72	2.4	U																
beta-BHC	ug/Kg	2.6	2.4	U																
delta-BHC	ug/Kg	N/A	2.4	U																
gamma-BHC (Lindane)	ug/Kg	24	2.4	U																

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-04-A			IDCSB-05-B			IDCSB-05-C			IDCSB-05-C-DUP			IDCSB-05-D			IDCSB-05-E		
		Location	IDCSB-04			IDCSB-05			IDCSB-05			IDCSB-05			IDCSB-05			IDCSB-05		
		Sample Date	12/13/2007			6/3/2010			6/3/2010			6/3/2010			6/3/2010			6/3/2010		
		Depth	2 to 4 ft			4 to 8 ft			8 to 12 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Heptachlor	ug/Kg	110	2.4	U																
Aldrin	ug/Kg	0.68	2.4	U																
Heptachlor epoxide	ug/Kg	53	2.4	U																
Endosulfan I	ug/Kg	22000	2.4	U																
Dieldrin	ug/Kg	1.22	4.6	U																
4,4'-DDE	ug/Kg	920	4.6	U																
Endrin	ug/Kg	1620	4.6	U																
Endosulfan II	ug/Kg	22000	4.6	U																
4,4'-DDD	ug/Kg	1320	4.6	U																
Endosulfan sulfate	ug/Kg	22000	4.6	U																
4,4'-DDT	ug/Kg	1340	4.6	U																
Methoxychlor	ug/Kg	31000	24	U																
Endrin ketone	ug/Kg	1620	4.6	U																
Endrin aldehyde	ug/Kg	1620	4.6	U																
alpha-Chlordane	ug/Kg	1600	2.4	U																
gamma-Chlordane	ug/Kg	1600	2.4	U																
Toxaphene	ug/Kg	440	240	U																
Inorganic Analytes																				
Aluminum	mg/kg	7700	5150		#															
Antimony	mg/kg	3.1	2.2	U																
Arsenic	mg/kg	0.39	1.5	U																
Barium	mg/kg	1500	85.6		#															
Beryllium	mg/kg	16	0.73	U																
Cadmium	mg/kg	7	0.73	U																
Calcium	mg/kg	N/A	656	J	~															
Chromium	mg/kg	0.29	**11.5**		A															
Cobalt	mg/kg	2.3	**32.7**		A															

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-04-A			IDCSB-05-B			IDCSB-05-C			IDCSB-05-C-DUP			IDCSB-05-D			IDCSB-05-E		
		Location	IDCSB-04			IDCSB-05			IDCSB-05			IDCSB-05			IDCSB-05			IDCSB-05		
		Sample Date	12/13/2007			6/3/2010			6/3/2010			6/3/2010			6/3/2010			6/3/2010		
		Depth	2 to 4 ft			4 to 8 ft			8 to 12 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Copper	mg/kg	310	27.2		#															
Cyanide	mg/kg	4.7	0.85	R																
Iron	mg/kg	5400	**36500**		A															
Lead	mg/kg	280	1.5	U																
Magnesium	mg/kg	N/A	183	J	~															
Manganese	mg/kg	21	**2250**	J	A															
Mercury	mg/kg	2	0.14	U																
Nickel	mg/kg	150	2.2	J	#															
Potassium	mg/kg	N/A	171	J	~															
Selenium	mg/kg	5.2	5.1	U																
Silver	mg/kg	12	4.9	J	#															
Sodium	mg/kg	N/A	726	U																
Thallium	mg/kg	0.08	0.36	U																
Vanadium	mg/kg	39	**103**		A															
Zinc	mg/kg	2300	13.7		#															
Additional Parameters																				
% GRANULE & LARGER >2 MM	%	N/A	0		~															
% VERY COURSE SAND >1 - 2 MM	%	N/A	1		~															
% COARSE SAND >.5 - 1 MM	%	N/A	1		~															
% MEDIUM SAND >.25 - .5 MM	%	N/A	2		~															
% FINE SAND >.125 - .25 MM	%	N/A	2		~															
% VERY FINE SAND >.0625 - .125 MM	%	N/A	2		~															
% SILT	%	N/A	9		~															
% CLAY & COLLOIDS	%	N/A	83		~															
pH	s.u.	N/A	8		~				4.9		~							5.34		~
Total Organic Carbon	mg/Kg	N/A	3200		~				1150		~							2840		~

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-04-A			IDCSB-05-B			IDCSB-05-C			IDCSB-05-C-DUP			IDCSB-05-D			IDCSB-05-E		
		Location	IDCSB-04			IDCSB-05			IDCSB-05			IDCSB-05			IDCSB-05			IDCSB-05		
		Sample Date	12/13/2007			6/3/2010			6/3/2010			6/3/2010			6/3/2010			6/3/2010		
		Depth	2 to 4 ft			4 to 8 ft			8 to 12 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Compariso

Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-05-F			IDCSB-05-G			IDCSB-06-A			IDCSB-06-B			IDCSB-06-C		
		Location	IDCSB-05			IDCSB-05			IDCSB-06			IDCSB-06			IDCSB-06		
		Sample Date	6/3/2010			6/3/2010			6/3/2010			6/3/2010			6/3/2010		
		Depth	44 to 48 ft			56 to 60 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																	
Dichlorodifluoromethane	ug/Kg	6000	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
Chloromethane	ug/Kg	980	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
Vinyl Chloride	ug/Kg	13.8	7	U		7.5	U		**410**		A	**1200**		A	**490**	J	A
Bromomethane	ug/Kg	36	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
Chloroethane	ug/Kg	118000	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
Trichlorofluoromethane	ug/Kg	13800	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
1,1-Dichloroethene	ug/Kg	50	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
Acetone	ug/Kg	48000	4.7	J	#	5	J	#	15		#	14	U		12	U	
Carbon Disulfide	ug/Kg	4200	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
Methyl Acetate	ug/Kg	64000	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
Methylene Chloride	ug/Kg	26	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
trans-1,2-Dichloroethene	ug/Kg	580	7	U		7.5	U		39		#	73		#	29		#
Methyl tert-Butyl Ether	ug/Kg	56	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
1,1-Dichloroethane	ug/Kg	13.6	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
cis-1,2-Dichloroethene	ug/Kg	420	8.3		#	7.5	U		**690**		A	**4700**		A	**4000**		A
2-Butanone	ug/Kg	20000	14	U		15	U		13	U		14	U		12	U	
Chlorobromomethane	ug/Kg	420	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
Chloroform	ug/Kg	290	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
1,1,1-Trichloroethane	ug/Kg	1400	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
Cyclohexane	ug/Kg	117000	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
Carbon Tetrachloride	ug/Kg	38	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
Benzene	ug/Kg	52	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
1,2-Dichloroethane	ug/Kg	28	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
1,4-Dioxane	ug/Kg	2.8	140	R		150	R		130	R		140	R		120	R	
Trichloroethene	ug/Kg	36	7.1		#	7.5	U		15		#	**490**		A	**450**		A

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-05-F			IDCSB-05-G			IDCSB-06-A			IDCSB-06-B			IDCSB-06-C		
		Location	IDCSB-05			IDCSB-05			IDCSB-06			IDCSB-06			IDCSB-06		
		Sample Date	6/3/2010			6/3/2010			6/3/2010			6/3/2010			6/3/2010		
		Depth	44 to 48 ft			56 to 60 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
1,2-Dichloropropane	ug/Kg	34	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
Bromodichloromethane	ug/Kg	270	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
cis-1,3-Dichloropropene	ug/Kg	3	2.8	U		3	U		2.6	U		2.7	U		2.5	U	
4-Methyl-2-pentanone	ug/Kg	4600	14	U		15	U		13	U		14	U		12	U	
Toluene	ug/Kg	13800	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
trans-1,3-Dichloropropene	ug/Kg	3	2.8	U		3	U		2.6	U		2.7	U		2.5	U	
1,1,2-Trichloroethane	ug/Kg	32	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
Tetrachloroethene	ug/Kg	46	**570**		A	7.5	U		6.4	U		**670**		A	**1400**		A
2-Hexanone	ug/Kg	158	14	U		15	U		13	U		14	U		12	U	
Dibromochloromethane	ug/Kg	420	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
1,2-Dibromoethane	ug/Kg	0.28	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
Chlorobenzene	ug/Kg	1360	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
Ethylbenzene	ug/Kg	5400	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
o-Xylene	ug/Kg	3800	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
m,p-Xylene	ug/Kg	3600	7	U		7.5	U		6.4	U		6.8	U		0.43	J	#
Styrene	ug/Kg	2200	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
Bromoform	ug/Kg	420	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
Isopropylbenzene	ug/Kg	12800	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	2.8	U		3	U		2.6	U		2.7	U		2.5	U	
1,3-Dichlorobenzene	ug/Kg	N/A	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
1,4-Dichlorobenzene	ug/Kg	1440	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
1,2-Dichlorobenzene	ug/Kg	11600	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
1,2,3-Trichlorobenzene	ug/Kg	300	7	U		7.5	U		6.4	U		6.8	U		6.1	U	
Semi-Volatile Organic Compounds																	

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-05-F			IDCSB-05-G			IDCSB-06-A			IDCSB-06-B			IDCSB-06-C		
		Location	IDCSB-05			IDCSB-05			IDCSB-06			IDCSB-06			IDCSB-06		
		Sample Date	6/3/2010			6/3/2010			6/3/2010			6/3/2010			6/3/2010		
		Depth	44 to 48 ft			56 to 60 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/Kg	6600															
Phenol	ug/Kg	52000															
bis(2-Chloroethyl) ether	ug/Kg	0.06															
2-Chlorophenol	ug/Kg	1140															
2-Methylphenol	ug/Kg	11600															
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2															
Acetophenone	ug/Kg	9000															
4-Methylphenol	ug/Kg	22000															
n-Nitroso-di-n-propylamine	ug/Kg	0.14															
Hexachloroethane	ug/Kg	9.6															
Nitrobenzene	ug/Kg	1.58															
Isophorone	ug/Kg	440															
2-Nitrophenol	ug/Kg	N/A															
2,4-Dimethylphenol	ug/Kg	6400															
bis(2-Chloroethoxy)methane	ug/Kg	220															
2,4-Dichlorophenol	ug/Kg	820															
Naphthalene	ug/Kg	9.4															
4-Chloroaniline	ug/Kg	2.6															
Hexachlorobutadiene	ug/Kg	10															
Caprolactam	ug/Kg	38000															
4-Chloro-3-methylphenol	ug/Kg	26000															
2-Methylnaphthalene	ug/Kg	2800															
Hexachlorocyclopentadiene	ug/Kg	3200															
2,4,6-Trichlorophenol	ug/Kg	260															
2,4,5-Trichlorophenol	ug/Kg	66000															
1,1'-Biphenyl	ug/Kg	174															
2-Chloronaphthalene	ug/Kg	58000															
2-Nitroaniline	ug/Kg	1240															

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-05-F			IDCSB-05-G			IDCSB-06-A			IDCSB-06-B			IDCSB-06-C		
		Location	IDCSB-05			IDCSB-05			IDCSB-06			IDCSB-06			IDCSB-06		
		Sample Date	6/3/2010			6/3/2010			6/3/2010			6/3/2010			6/3/2010		
		Depth	44 to 48 ft			56 to 60 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Dimethylphthalate	ug/Kg	N/A															
2,6-Dinitrotoluene	ug/Kg	400															
Acenaphthylene	ug/Kg	N/A															
3-Nitroaniline	ug/Kg	N/A															
Acenaphthene	ug/Kg	82000															
2,4-Dinitrophenol	ug/Kg	680															
4-Nitrophenol	ug/Kg	N/A															
Dibenzofuran	ug/Kg	N/A															
2,4-Dinitrotoluene	ug/Kg	5.6															
Diethylphthalate	ug/Kg	94000															
Fluorene	ug/Kg	80000															
4-Chlorophenyl-phenylether	ug/Kg	N/A															
4-Nitroaniline	ug/Kg	28															
4,6-Dinitro-2-methylphenol	ug/Kg	40															
n-Nitrosodiphenylamine	ug/Kg	1140															
1,2,4,5-Tetrachlorobenzene	ug/Kg	116															
4-Bromophenyl-phenylether	ug/Kg	N/A															
Hexachlorobenzene	ug/Kg	260															
Atrazine	ug/Kg	38															
Pentachlorophenol	ug/Kg	200															
Phenanthrene	ug/Kg	N/A															
Anthracene	ug/Kg	840000															
Carbazole	ug/Kg	N/A															
Di-n-butylphthalate	ug/Kg	34000															
Fluoranthene	ug/Kg	230000															
Pyrene	ug/Kg	170000															
Butylbenzylphthalate	ug/Kg	4000															
3,3'-Dichlorobenzidine	ug/Kg	14.2															

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-05-F			IDCSB-05-G			IDCSB-06-A			IDCSB-06-B			IDCSB-06-C		
		Location	IDCSB-05			IDCSB-05			IDCSB-06			IDCSB-06			IDCSB-06		
		Sample Date	6/3/2010			6/3/2010			6/3/2010			6/3/2010			6/3/2010		
		Depth	44 to 48 ft			56 to 60 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzo(a)anthracene	ug/Kg	150															
Chrysene	ug/Kg	15000															
bis(2-Ethylhexyl) phthalate	ug/Kg	28000															
Di-n-octylphthalate	ug/Kg	N/A															
Benzo(b)fluoranthene	ug/Kg	150															
Benzo(k)fluoranthene	ug/Kg	1500															
Benzo(a)pyrene	ug/Kg	15															
Indeno(1,2,3-cd)pyrene	ug/Kg	150															
Dibenz(a,h)anthracene	ug/Kg	15															
Benzo(g,h,i)perylene	ug/Kg	N/A															
Chlorophenols	ug/Kg	22000															
PCBs																	
Aroclor-1016	ug/Kg	390															
Aroclor-1221	ug/Kg	1.48															
Aroclor-1232	ug/Kg	1.48															
Aroclor-1242	ug/Kg	106															
Aroclor-1248	ug/Kg	104															
Aroclor-1254	ug/Kg	110															
Aroclor-1260	ug/Kg	220															
Aroclor-1262	ug/Kg	220															
Aroclor-1268	ug/Kg	220															
Pesticides																	
alpha-BHC	ug/Kg	0.72															
beta-BHC	ug/Kg	2.6															
delta-BHC	ug/Kg	N/A															
gamma-BHC (Lindane)	ug/Kg	24															

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-05-F			IDCSB-05-G			IDCSB-06-A			IDCSB-06-B			IDCSB-06-C		
		Location	IDCSB-05			IDCSB-05			IDCSB-06			IDCSB-06			IDCSB-06		
		Sample Date	6/3/2010			6/3/2010			6/3/2010			6/3/2010			6/3/2010		
		Depth	44 to 48 ft			56 to 60 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Heptachlor	ug/Kg	110															
Aldrin	ug/Kg	0.68															
Heptachlor epoxide	ug/Kg	53															
Endosulfan I	ug/Kg	22000															
Dieldrin	ug/Kg	1.22															
4,4'-DDE	ug/Kg	920															
Endrin	ug/Kg	1620															
Endosulfan II	ug/Kg	22000															
4,4'-DDD	ug/Kg	1320															
Endosulfan sulfate	ug/Kg	22000															
4,4'-DDT	ug/Kg	1340															
Methoxychlor	ug/Kg	31000															
Endrin ketone	ug/Kg	1620															
Endrin aldehyde	ug/Kg	1620															
alpha-Chlordane	ug/Kg	1600															
gamma-Chlordane	ug/Kg	1600															
Toxaphene	ug/Kg	440															
Inorganic Analytes																	
Aluminum	mg/kg	7700															
Antimony	mg/kg	3.1															
Arsenic	mg/kg	0.39															
Barium	mg/kg	1500															
Beryllium	mg/kg	16															
Cadmium	mg/kg	7															
Calcium	mg/kg	N/A															
Chromium	mg/kg	0.29															
Cobalt	mg/kg	2.3															

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-05-F			IDCSB-05-G			IDCSB-06-A			IDCSB-06-B			IDCSB-06-C		
		Location	IDCSB-05			IDCSB-05			IDCSB-06			IDCSB-06			IDCSB-06		
		Sample Date	6/3/2010			6/3/2010			6/3/2010			6/3/2010			6/3/2010		
		Depth	44 to 48 ft			56 to 60 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Copper	mg/kg	310															
Cyanide	mg/kg	4.7															
Iron	mg/kg	5400															
Lead	mg/kg	280															
Magnesium	mg/kg	N/A															
Manganese	mg/kg	21															
Mercury	mg/kg	2															
Nickel	mg/kg	150															
Potassium	mg/kg	N/A															
Selenium	mg/kg	5.2															
Silver	mg/kg	12															
Sodium	mg/kg	N/A															
Thallium	mg/kg	0.08															
Vanadium	mg/kg	39															
Zinc	mg/kg	2300															
Additional Parameters																	
% GRANULE & LARGER >2 MM	%	N/A															
% VERY COURSE SAND >1 - 2 MM	%	N/A															
% COARSE SAND >.5 - 1 MM	%	N/A															
% MEDIUM SAND >.25 - .5 MM	%	N/A															
% FINE SAND >.125 - .25 MM	%	N/A															
% VERY FINE SAND >.0625 - .125 MM	%	N/A															
% SILT	%	N/A															
% CLAY & COLLOIDS	%	N/A															
pH	s.u.	N/A													5.06		~
Total Organic Carbon	mg/Kg	N/A													2210		~

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-05-F			IDCSB-05-G			IDCSB-06-A			IDCSB-06-B			IDCSB-06-C		
		Location	IDCSB-05			IDCSB-05			IDCSB-06			IDCSB-06			IDCSB-06		
		Sample Date	6/3/2010			6/3/2010			6/3/2010			6/3/2010			6/3/2010		
		Depth	44 to 48 ft			56 to 60 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Compariso

Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-06-D			IDCSB-06-E			IDCSB-06-F			IDCSB-06-G			IDCSB-07-A		
		Location	IDC-SB06			IDC-SB06			IDC-SB06			IDC-SB06			IDC-SB07		
		Sample Date	6/4/2010			6/4/2010			6/4/2010			6/4/2010			6/4/2010		
		Depth	20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																	
Dichlorodifluoromethane	ug/Kg	6000	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
Chloromethane	ug/Kg	980	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
Vinyl Chloride	ug/Kg	13.8	**210**		A	**22**		A	7.7	U		7	U		**85**		A
Bromomethane	ug/Kg	36	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
Chloroethane	ug/Kg	118000	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
Trichlorofluoromethane	ug/Kg	13800	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
1,1-Dichloroethene	ug/Kg	50	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
Acetone	ug/Kg	48000	12	U		14	U		6.8	J	#	14	U		5	J	#
Carbon Disulfide	ug/Kg	4200	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
Methyl Acetate	ug/Kg	64000	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
Methylene Chloride	ug/Kg	26	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
trans-1,2-Dichloroethene	ug/Kg	580	19		#	2.9	J	#	7.7	U		7	U		3.1	J	#
Methyl tert-Butyl Ether	ug/Kg	56	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
1,1-Dichloroethane	ug/Kg	13.6	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
cis-1,2-Dichloroethene	ug/Kg	420	**2900**		A	280		#	2.9	J	#	7	U		210	J	#
2-Butanone	ug/Kg	20000	12	U		14	U		15	U		14	U		13	U	
Chlorobromomethane	ug/Kg	420	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
Chloroform	ug/Kg	290	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
1,1,1-Trichloroethane	ug/Kg	1400	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
Cyclohexane	ug/Kg	117000	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
Carbon Tetrachloride	ug/Kg	38	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
Benzene	ug/Kg	52	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
1,2-Dichloroethane	ug/Kg	28	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
1,4-Dioxane	ug/Kg	2.8	120	R		140	R		150	R		140	R		130	R	
Trichloroethene	ug/Kg	36	**450**		A	**150**		A	3.1	J	#	0.99	J	#	2.3	J	#

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-06-D			IDCSB-06-E			IDCSB-06-F			IDCSB-06-G			IDCSB-07-A		
		Location	IDC-SB06			IDC-SB06			IDC-SB06			IDC-SB06			IDC-SB07		
		Sample Date	6/4/2010			6/4/2010			6/4/2010			6/4/2010			6/4/2010		
		Depth	20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
1,2-Dichloropropane	ug/Kg	34	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
Bromodichloromethane	ug/Kg	270	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
cis-1,3-Dichloropropene	ug/Kg	3	2.4	U		2.7	U		3.1	U		2.8	U		2.7	U	
4-Methyl-2-pentanone	ug/Kg	4600	12	U		14	U		15	U		14	U		13	U	
Toluene	ug/Kg	13800	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
trans-1,3-Dichloropropene	ug/Kg	3	2.4	U		2.7	U		3.1	U		2.8	U		2.7	U	
1,1,2-Trichloroethane	ug/Kg	32	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
Tetrachloroethene	ug/Kg	46	**2800**		A	**2000**		A	**290**		A	**170**		A	0.89	J	#
2-Hexanone	ug/Kg	158	12	U		14	U		15	U		14	U		13	U	
Dibromochloromethane	ug/Kg	420	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
1,2-Dibromoethane	ug/Kg	0.28	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
Chlorobenzene	ug/Kg	1360	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
Ethylbenzene	ug/Kg	5400	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
o-Xylene	ug/Kg	3800	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
m,p-Xylene	ug/Kg	3600	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
Styrene	ug/Kg	2200	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
Bromoform	ug/Kg	420	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
Isopropylbenzene	ug/Kg	12800	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	2.4	U		2.7	U		3.1	U		2.8	U		2.7	U	
1,3-Dichlorobenzene	ug/Kg	N/A	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
1,4-Dichlorobenzene	ug/Kg	1440	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
1,2-Dichlorobenzene	ug/Kg	11600	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
1,2,3-Trichlorobenzene	ug/Kg	300	5.9	U		6.9	U		7.7	U		7	U		6.7	U	
Semi-Volatile Organic Compounds																	

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-06-D			IDCSB-06-E			IDCSB-06-F			IDCSB-06-G			IDCSB-07-A		
		Location	IDC-SB06			IDC-SB06			IDC-SB06			IDC-SB06			IDC-SB07		
		Sample Date	6/4/2010			6/4/2010			6/4/2010			6/4/2010			6/4/2010		
		Depth	20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/Kg	6600															
Phenol	ug/Kg	52000															
bis(2-Chloroethyl) ether	ug/Kg	0.06															
2-Chlorophenol	ug/Kg	1140															
2-Methylphenol	ug/Kg	11600															
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2															
Acetophenone	ug/Kg	9000															
4-Methylphenol	ug/Kg	22000															
n-Nitroso-di-n-propylamine	ug/Kg	0.14															
Hexachloroethane	ug/Kg	9.6															
Nitrobenzene	ug/Kg	1.58															
Isophorone	ug/Kg	440															
2-Nitrophenol	ug/Kg	N/A															
2,4-Dimethylphenol	ug/Kg	6400															
bis(2-Chloroethoxy)methane	ug/Kg	220															
2,4-Dichlorophenol	ug/Kg	820															
Naphthalene	ug/Kg	9.4															
4-Chloroaniline	ug/Kg	2.6															
Hexachlorobutadiene	ug/Kg	10															
Caprolactam	ug/Kg	38000															
4-Chloro-3-methylphenol	ug/Kg	26000															
2-Methylnaphthalene	ug/Kg	2800															
Hexachlorocyclopentadiene	ug/Kg	3200															
2,4,6-Trichlorophenol	ug/Kg	260															
2,4,5-Trichlorophenol	ug/Kg	66000															
1,1'-Biphenyl	ug/Kg	174															
2-Chloronaphthalene	ug/Kg	58000															
2-Nitroaniline	ug/Kg	1240															

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-06-D			IDCSB-06-E			IDCSB-06-F			IDCSB-06-G			IDCSB-07-A		
		Location	IDC-SB06			IDC-SB06			IDC-SB06			IDC-SB06			IDC-SB07		
		Sample Date	6/4/2010			6/4/2010			6/4/2010			6/4/2010			6/4/2010		
		Depth	20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Dimethylphthalate	ug/Kg	N/A															
2,6-Dinitrotoluene	ug/Kg	400															
Acenaphthylene	ug/Kg	N/A															
3-Nitroaniline	ug/Kg	N/A															
Acenaphthene	ug/Kg	82000															
2,4-Dinitrophenol	ug/Kg	680															
4-Nitrophenol	ug/Kg	N/A															
Dibenzofuran	ug/Kg	N/A															
2,4-Dinitrotoluene	ug/Kg	5.6															
Diethylphthalate	ug/Kg	94000															
Fluorene	ug/Kg	80000															
4-Chlorophenyl-phenylether	ug/Kg	N/A															
4-Nitroaniline	ug/Kg	28															
4,6-Dinitro-2-methylphenol	ug/Kg	40															
n-Nitrosodiphenylamine	ug/Kg	1140															
1,2,4,5-Tetrachlorobenzene	ug/Kg	116															
4-Bromophenyl-phenylether	ug/Kg	N/A															
Hexachlorobenzene	ug/Kg	260															
Atrazine	ug/Kg	38															
Pentachlorophenol	ug/Kg	200															
Phenanthrene	ug/Kg	N/A															
Anthracene	ug/Kg	840000															
Carbazole	ug/Kg	N/A															
Di-n-butylphthalate	ug/Kg	34000															
Fluoranthene	ug/Kg	230000															
Pyrene	ug/Kg	170000															
Butylbenzylphthalate	ug/Kg	4000															
3,3'-Dichlorobenzidine	ug/Kg	14.2															

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-06-D			IDCSB-06-E			IDCSB-06-F			IDCSB-06-G			IDCSB-07-A		
		Location	IDC-SB06			IDC-SB06			IDC-SB06			IDC-SB06			IDC-SB07		
		Sample Date	6/4/2010			6/4/2010			6/4/2010			6/4/2010			6/4/2010		
		Depth	20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzo(a)anthracene	ug/Kg	150															
Chrysene	ug/Kg	15000															
bis(2-Ethylhexyl) phthalate	ug/Kg	28000															
Di-n-octylphthalate	ug/Kg	N/A															
Benzo(b)fluoranthene	ug/Kg	150															
Benzo(k)fluoranthene	ug/Kg	1500															
Benzo(a)pyrene	ug/Kg	15															
Indeno(1,2,3-cd)pyrene	ug/Kg	150															
Dibenz(a,h)anthracene	ug/Kg	15															
Benzo(g,h,i)perylene	ug/Kg	N/A															
Chlorophenols	ug/Kg	22000															
PCBs																	
Aroclor-1016	ug/Kg	390															
Aroclor-1221	ug/Kg	1.48															
Aroclor-1232	ug/Kg	1.48															
Aroclor-1242	ug/Kg	106															
Aroclor-1248	ug/Kg	104															
Aroclor-1254	ug/Kg	110															
Aroclor-1260	ug/Kg	220															
Aroclor-1262	ug/Kg	220															
Aroclor-1268	ug/Kg	220															
Pesticides																	
alpha-BHC	ug/Kg	0.72															
beta-BHC	ug/Kg	2.6															
delta-BHC	ug/Kg	N/A															
gamma-BHC (Lindane)	ug/Kg	24															

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-06-D			IDCSB-06-E			IDCSB-06-F			IDCSB-06-G			IDCSB-07-A		
		Location	IDC-SB06			IDC-SB06			IDC-SB06			IDC-SB06			IDC-SB07		
		Sample Date	6/4/2010			6/4/2010			6/4/2010			6/4/2010			6/4/2010		
		Depth	20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Heptachlor	ug/Kg	110															
Aldrin	ug/Kg	0.68															
Heptachlor epoxide	ug/Kg	53															
Endosulfan I	ug/Kg	22000															
Dieldrin	ug/Kg	1.22															
4,4'-DDE	ug/Kg	920															
Endrin	ug/Kg	1620															
Endosulfan II	ug/Kg	22000															
4,4'-DDD	ug/Kg	1320															
Endosulfan sulfate	ug/Kg	22000															
4,4'-DDT	ug/Kg	1340															
Methoxychlor	ug/Kg	31000															
Endrin ketone	ug/Kg	1620															
Endrin aldehyde	ug/Kg	1620															
alpha-Chlordane	ug/Kg	1600															
gamma-Chlordane	ug/Kg	1600															
Toxaphene	ug/Kg	440															
Inorganic Analytes																	
Aluminum	mg/kg	7700															
Antimony	mg/kg	3.1															
Arsenic	mg/kg	0.39															
Barium	mg/kg	1500															
Beryllium	mg/kg	16															
Cadmium	mg/kg	7															
Calcium	mg/kg	N/A															
Chromium	mg/kg	0.29															
Cobalt	mg/kg	2.3															

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-06-D			IDCSB-06-E			IDCSB-06-F			IDCSB-06-G			IDCSB-07-A		
		Location	IDC-SB06			IDC-SB06			IDC-SB06			IDC-SB06			IDC-SB07		
		Sample Date	6/4/2010			6/4/2010			6/4/2010			6/4/2010			6/4/2010		
		Depth	20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Copper	mg/kg	310															
Cyanide	mg/kg	4.7															
Iron	mg/kg	5400															
Lead	mg/kg	280															
Magnesium	mg/kg	N/A															
Manganese	mg/kg	21															
Mercury	mg/kg	2															
Nickel	mg/kg	150															
Potassium	mg/kg	N/A															
Selenium	mg/kg	5.2															
Silver	mg/kg	12															
Sodium	mg/kg	N/A															
Thallium	mg/kg	0.08															
Vanadium	mg/kg	39															
Zinc	mg/kg	2300															
Additional Parameters																	
% GRANULE & LARGER >2 MM	%	N/A															
% VERY COURSE SAND >1 - 2 MM	%	N/A															
% COARSE SAND >.5 - 1 MM	%	N/A															
% MEDIUM SAND >.25 - .5 MM	%	N/A															
% FINE SAND >.125 - .25 MM	%	N/A															
% VERY FINE SAND >.0625 - .125 MM	%	N/A															
% SILT	%	N/A															
% CLAY & COLLOIDS	%	N/A															
pH	s.u.	N/A							5.94		~						
Total Organic Carbon	mg/Kg	N/A							1300		~						

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-06-D			IDCSB-06-E			IDCSB-06-F			IDCSB-06-G			IDCSB-07-A		
		Location	IDC-SB06			IDC-SB06			IDC-SB06			IDC-SB06			IDC-SB07		
		Sample Date	6/4/2010			6/4/2010			6/4/2010			6/4/2010			6/4/2010		
		Depth	20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

Notes:
Highlight indicates exceedance
SC - Site Specific Screening Criteria
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

Q - Qualifier
C - Compariso
Flag

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-07-B			IDCSB-07-C			IDCSB-07-C-DUP			IDCSB-07-D			IDCSB-07-E		
		Location	IDC-SB07			IDC-SB07			IDC-SB07			IDC-SB07			IDC-SB07		
		Sample Date	6/4/2010			6/4/2010			6/4/2010			6/4/2010			6/4/2010		
		Depth	4 to 8 ft			8 to 12 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																	
Dichlorodifluoromethane	ug/Kg	6000	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
Chloromethane	ug/Kg	980	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
Vinyl Chloride	ug/Kg	13.8	**43**		A	**120**		A	**64**		A	**42**		A	6.6	U	
Bromomethane	ug/Kg	36	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
Chloroethane	ug/Kg	118000	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
Trichlorofluoromethane	ug/Kg	13800	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
1,1-Dichloroethene	ug/Kg	50	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
Acetone	ug/Kg	48000	63		#	6.2	J	#	5.3	J	#	5.6	J	#	13	U	
Carbon Disulfide	ug/Kg	4200	0.85	J	#	6.7	U		7.1	U		7.8	U		6.6	U	
Methyl Acetate	ug/Kg	64000	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
Methylene Chloride	ug/Kg	26	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
trans-1,2-Dichloroethene	ug/Kg	580	6.5	U		3.1	J	#	7.1	U		3.9	J	#	0.93	J	#
Methyl tert-Butyl Ether	ug/Kg	56	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
1,1-Dichloroethane	ug/Kg	13.6	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
cis-1,2-Dichloroethene	ug/Kg	420	51		#	**430**	J	A	270		#	330	J	#	**430**	J	A
2-Butanone	ug/Kg	20000	3.2	J	#	13	U		14	U		16	U		13	U	
Chlorobromomethane	ug/Kg	420	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
Chloroform	ug/Kg	290	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
Cyclohexane	ug/Kg	117000	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
Carbon Tetrachloride	ug/Kg	38	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
Benzene	ug/Kg	52	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
1,2-Dichloroethane	ug/Kg	28	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
1,4-Dioxane	ug/Kg	2.8	130	R		130	R		140	R		160	R		130	R	
Trichloroethene	ug/Kg	36	6.5	U		**56**		A	**38**		A	**110**		A	30		#

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-07-B			IDCSB-07-C			IDCSB-07-C-DUP			IDCSB-07-D			IDCSB-07-E		
		Location	IDC-SB07			IDC-SB07			IDC-SB07			IDC-SB07			IDC-SB07		
		Sample Date	6/4/2010			6/4/2010			6/4/2010			6/4/2010			6/4/2010		
		Depth	4 to 8 ft			8 to 12 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
1,2-Dichloropropane	ug/Kg	34	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
Bromodichloromethane	ug/Kg	270	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
cis-1,3-Dichloropropene	ug/Kg	3	2.6	U		2.7	U		2.9	U		3.1	U		2.7	U	
4-Methyl-2-pentanone	ug/Kg	4600	13	U		13	U		14	U		16	U		13	U	
Toluene	ug/Kg	13800	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
trans-1,3-Dichloropropene	ug/Kg	3	2.6	U		2.7	U		2.9	U		3.1	U		2.7	U	
1,1,2-Trichloroethane	ug/Kg	32	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
Tetrachloroethene	ug/Kg	46	6.5	U		**110**		A	**83**		A	**290**	J	A	**200**	J	A
2-Hexanone	ug/Kg	158	13	U		13	U		14	U		16	U		13	U	
Dibromochloromethane	ug/Kg	420	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
1,2-Dibromoethane	ug/Kg	0.28	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
Chlorobenzene	ug/Kg	1360	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
Ethylbenzene	ug/Kg	5400	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
o-Xylene	ug/Kg	3800	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
m,p-Xylene	ug/Kg	3600	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
Styrene	ug/Kg	2200	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
Bromoform	ug/Kg	420	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
Isopropylbenzene	ug/Kg	12800	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	2.6	U		2.7	U		2.9	U		3.1	U		2.7	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
1,4-Dichlorobenzene	ug/Kg	1440	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
1,2-Dichlorobenzene	ug/Kg	11600	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
1,2,3-Trichlorobenzene	ug/Kg	300	6.5	U		6.7	U		7.1	U		7.8	U		6.6	U	
Semi-Volatile Organic Compounds																	

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-07-B			IDCSB-07-C			IDCSB-07-C-DUP			IDCSB-07-D			IDCSB-07-E		
		Location	IDC-SB07			IDC-SB07			IDC-SB07			IDC-SB07			IDC-SB07		
		Sample Date	6/4/2010			6/4/2010			6/4/2010			6/4/2010			6/4/2010		
		Depth	4 to 8 ft			8 to 12 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/Kg	6600															
Phenol	ug/Kg	52000															
bis(2-Chloroethyl) ether	ug/Kg	0.06															
2-Chlorophenol	ug/Kg	1140															
2-Methylphenol	ug/Kg	11600															
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2															
Acetophenone	ug/Kg	9000															
4-Methylphenol	ug/Kg	22000															
n-Nitroso-di-n-propylamine	ug/Kg	0.14															
Hexachloroethane	ug/Kg	9.6															
Nitrobenzene	ug/Kg	1.58															
Isophorone	ug/Kg	440															
2-Nitrophenol	ug/Kg	N/A															
2,4-Dimethylphenol	ug/Kg	6400															
bis(2-Chloroethoxy)methane	ug/Kg	220															
2,4-Dichlorophenol	ug/Kg	820															
Naphthalene	ug/Kg	9.4															
4-Chloroaniline	ug/Kg	2.6															
Hexachlorobutadiene	ug/Kg	10															
Caprolactam	ug/Kg	38000															
4-Chloro-3-methylphenol	ug/Kg	26000															
2-Methylnaphthalene	ug/Kg	2800															
Hexachlorocyclopentadiene	ug/Kg	3200															
2,4,6-Trichlorophenol	ug/Kg	260															
2,4,5-Trichlorophenol	ug/Kg	66000															
1,1'-Biphenyl	ug/Kg	174															
2-Chloronaphthalene	ug/Kg	58000															
2-Nitroaniline	ug/Kg	1240															

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-07-B			IDCSB-07-C			IDCSB-07-C-DUP			IDCSB-07-D			IDCSB-07-E		
		Location	IDC-SB07			IDC-SB07			IDC-SB07			IDC-SB07			IDC-SB07		
		Sample Date	6/4/2010			6/4/2010			6/4/2010			6/4/2010			6/4/2010		
		Depth	4 to 8 ft			8 to 12 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Dimethylphthalate	ug/Kg	N/A															
2,6-Dinitrotoluene	ug/Kg	400															
Acenaphthylene	ug/Kg	N/A															
3-Nitroaniline	ug/Kg	N/A															
Acenaphthene	ug/Kg	82000															
2,4-Dinitrophenol	ug/Kg	680															
4-Nitrophenol	ug/Kg	N/A															
Dibenzofuran	ug/Kg	N/A															
2,4-Dinitrotoluene	ug/Kg	5.6															
Diethylphthalate	ug/Kg	94000															
Fluorene	ug/Kg	80000															
4-Chlorophenyl-phenylether	ug/Kg	N/A															
4-Nitroaniline	ug/Kg	28															
4,6-Dinitro-2-methylphenol	ug/Kg	40															
n-Nitrosodiphenylamine	ug/Kg	1140															
1,2,4,5-Tetrachlorobenzene	ug/Kg	116															
4-Bromophenyl-phenylether	ug/Kg	N/A															
Hexachlorobenzene	ug/Kg	260															
Atrazine	ug/Kg	38															
Pentachlorophenol	ug/Kg	200															
Phenanthrene	ug/Kg	N/A															
Anthracene	ug/Kg	840000															
Carbazole	ug/Kg	N/A															
Di-n-butylphthalate	ug/Kg	34000															
Fluoranthene	ug/Kg	230000															
Pyrene	ug/Kg	170000															
Butylbenzylphthalate	ug/Kg	4000															
3,3'-Dichlorobenzidine	ug/Kg	14.2															

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-07-B			IDCSB-07-C			IDCSB-07-C-DUP			IDCSB-07-D			IDCSB-07-E		
		Location	IDC-SB07			IDC-SB07			IDC-SB07			IDC-SB07			IDC-SB07		
		Sample Date	6/4/2010			6/4/2010			6/4/2010			6/4/2010			6/4/2010		
		Depth	4 to 8 ft			8 to 12 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzo(a)anthracene	ug/Kg	150															
Chrysene	ug/Kg	15000															
bis(2-Ethylhexyl) phthalate	ug/Kg	28000															
Di-n-octylphthalate	ug/Kg	N/A															
Benzo(b)fluoranthene	ug/Kg	150															
Benzo(k)fluoranthene	ug/Kg	1500															
Benzo(a)pyrene	ug/Kg	15															
Indeno(1,2,3-cd)pyrene	ug/Kg	150															
Dibenz(a,h)anthracene	ug/Kg	15															
Benzo(g,h,i)perylene	ug/Kg	N/A															
Chlorophenols	ug/Kg	22000															
PCBs																	
Aroclor-1016	ug/Kg	390															
Aroclor-1221	ug/Kg	1.48															
Aroclor-1232	ug/Kg	1.48															
Aroclor-1242	ug/Kg	106															
Aroclor-1248	ug/Kg	104															
Aroclor-1254	ug/Kg	110															
Aroclor-1260	ug/Kg	220															
Aroclor-1262	ug/Kg	220															
Aroclor-1268	ug/Kg	220															
Pesticides																	
alpha-BHC	ug/Kg	0.72															
beta-BHC	ug/Kg	2.6															
delta-BHC	ug/Kg	N/A															
gamma-BHC (Lindane)	ug/Kg	24															

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-07-B			IDCSB-07-C			IDCSB-07-C-DUP			IDCSB-07-D			IDCSB-07-E		
		Location	IDC-SB07			IDC-SB07			IDC-SB07			IDC-SB07			IDC-SB07		
		Sample Date	6/4/2010			6/4/2010			6/4/2010			6/4/2010			6/4/2010		
		Depth	4 to 8 ft			8 to 12 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Heptachlor	ug/Kg	110															
Aldrin	ug/Kg	0.68															
Heptachlor epoxide	ug/Kg	53															
Endosulfan I	ug/Kg	22000															
Dieldrin	ug/Kg	1.22															
4,4'-DDE	ug/Kg	920															
Endrin	ug/Kg	1620															
Endosulfan II	ug/Kg	22000															
4,4'-DDD	ug/Kg	1320															
Endosulfan sulfate	ug/Kg	22000															
4,4'-DDT	ug/Kg	1340															
Methoxychlor	ug/Kg	31000															
Endrin ketone	ug/Kg	1620															
Endrin aldehyde	ug/Kg	1620															
alpha-Chlordane	ug/Kg	1600															
gamma-Chlordane	ug/Kg	1600															
Toxaphene	ug/Kg	440															
Inorganic Analytes																	
Aluminum	mg/kg	7700															
Antimony	mg/kg	3.1															
Arsenic	mg/kg	0.39															
Barium	mg/kg	1500															
Beryllium	mg/kg	16															
Cadmium	mg/kg	7															
Calcium	mg/kg	N/A															
Chromium	mg/kg	0.29															
Cobalt	mg/kg	2.3															

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-07-B			IDCSB-07-C			IDCSB-07-C-DUP			IDCSB-07-D			IDCSB-07-E		
		Location	IDC-SB07			IDC-SB07			IDC-SB07			IDC-SB07			IDC-SB07		
		Sample Date	6/4/2010			6/4/2010			6/4/2010			6/4/2010			6/4/2010		
		Depth	4 to 8 ft			8 to 12 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Copper	mg/kg	310															
Cyanide	mg/kg	4.7															
Iron	mg/kg	5400															
Lead	mg/kg	280															
Magnesium	mg/kg	N/A															
Manganese	mg/kg	21															
Mercury	mg/kg	2															
Nickel	mg/kg	150															
Potassium	mg/kg	N/A															
Selenium	mg/kg	5.2															
Silver	mg/kg	12															
Sodium	mg/kg	N/A															
Thallium	mg/kg	0.08															
Vanadium	mg/kg	39															
Zinc	mg/kg	2300															
Additional Parameters																	
% GRANULE & LARGER >2 MM	%	N/A															
% VERY COURSE SAND >1 - 2 MM	%	N/A															
% COARSE SAND >.5 - 1 MM	%	N/A															
% MEDIUM SAND >.25 - .5 MM	%	N/A															
% FINE SAND >.125 - .25 MM	%	N/A															
% VERY FINE SAND >.0625 - .125 MM	%	N/A															
% SILT	%	N/A															
% CLAY & COLLOIDS	%	N/A															
pH	s.u.	N/A				7.97		~									
Total Organic Carbon	mg/Kg	N/A				1370		~									

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-07-B			IDCSB-07-C			IDCSB-07-C-DUP			IDCSB-07-D			IDCSB-07-E		
		Location	IDC-SB07			IDC-SB07			IDC-SB07			IDC-SB07			IDC-SB07		
		Sample Date	6/4/2010			6/4/2010			6/4/2010			6/4/2010			6/4/2010		
		Depth	4 to 8 ft			8 to 12 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Compariso

Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-07-F			IDCSB-08-A			IDCSB-08-B			IDCSB-08-C			IDCSB-08-D		
		Location	IDC-SB07			IDC-SB08			IDC-SB08			IDC-SB08			IDC-SB08		
		Sample Date	6/4/2010			6/7/2010			6/7/2010			6/7/2010			6/7/2010		
		Depth	44 to 48 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																	
Dichlorodifluoromethane	ug/Kg	6000	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
Chloromethane	ug/Kg	980	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
Vinyl Chloride	ug/Kg	13.8	6.1	U		5.8	J	#	12		#	**20**		A	6.1	U	
Bromomethane	ug/Kg	36	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
Chloroethane	ug/Kg	118000	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
Trichlorofluoromethane	ug/Kg	13800	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
1,1-Dichloroethene	ug/Kg	50	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
Acetone	ug/Kg	48000	12	U		51		#	32		#	14	U		12	U	
Carbon Disulfide	ug/Kg	4200	6.1	U		0.96	J	#	6.4	U		6.9	U		6.1	U	
Methyl Acetate	ug/Kg	64000	6.1	U		6.7	U		1.3	J	#	6.9	U		6.1	U	
Methylene Chloride	ug/Kg	26	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
trans-1,2-Dichloroethene	ug/Kg	580	6.1	U		2.5	J	#	9.8		#	15		#	14		#
Methyl tert-Butyl Ether	ug/Kg	56	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
1,1-Dichloroethane	ug/Kg	13.6	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
cis-1,2-Dichloroethene	ug/Kg	420	240	J	#	96		#	**560**		A	**1200**		A	**540**		A
2-Butanone	ug/Kg	20000	12	U		13	U		13	U		14	U		12	U	
Chlorobromomethane	ug/Kg	420	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
Chloroform	ug/Kg	290	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
Cyclohexane	ug/Kg	117000	6.1	U		1.2	J	#	6.4	U		6.9	U		6.1	U	
Carbon Tetrachloride	ug/Kg	38	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
Benzene	ug/Kg	52	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
1,2-Dichloroethane	ug/Kg	28	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
1,4-Dioxane	ug/Kg	2.8	120	R		130	R		130	R		140	R		120	R	
Trichloroethene	ug/Kg	36	27		#	**140**		A	**650**		A	**760**		A	**310**	J	A

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-07-F			IDCSB-08-A			IDCSB-08-B			IDCSB-08-C			IDCSB-08-D		
		Location	IDC-SB07			IDC-SB08			IDC-SB08			IDC-SB08			IDC-SB08		
		Sample Date	6/4/2010			6/7/2010			6/7/2010			6/7/2010			6/7/2010		
		Depth	44 to 48 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
1,2-Dichloropropane	ug/Kg	34	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
Bromodichloromethane	ug/Kg	270	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
cis-1,3-Dichloropropene	ug/Kg	3	2.4	U		2.7	U		2.5	U		2.8	U		2.4	U	
4-Methyl-2-pentanone	ug/Kg	4600	12	U		13	U		13	U		14	U		12	U	
Toluene	ug/Kg	13800	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
trans-1,3-Dichloropropene	ug/Kg	3	2.4	U		2.7	U		2.5	U		2.8	U		2.4	U	
1,1,2-Trichloroethane	ug/Kg	32	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
Tetrachloroethene	ug/Kg	46	**660**	J	A	**150**	J	A	**2600**		A	**5100**		A	**2700**		A
2-Hexanone	ug/Kg	158	12	U		13	U		13	U		14	U		12	U	
Dibromochloromethane	ug/Kg	420	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
1,2-Dibromoethane	ug/Kg	0.28	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
Chlorobenzene	ug/Kg	1360	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
Ethylbenzene	ug/Kg	5400	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
o-Xylene	ug/Kg	3800	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
m,p-Xylene	ug/Kg	3600	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
Styrene	ug/Kg	2200	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
Bromoform	ug/Kg	420	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
Isopropylbenzene	ug/Kg	12800	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	2.4	U		2.7	U		2.5	U		2.8	U		2.4	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
1,4-Dichlorobenzene	ug/Kg	1440	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
1,2-Dichlorobenzene	ug/Kg	11600	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
1,2,3-Trichlorobenzene	ug/Kg	300	6.1	U		6.7	U		6.4	U		6.9	U		6.1	U	
Semi-Volatile Organic Compounds																	

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-07-F			IDCSB-08-A			IDCSB-08-B			IDCSB-08-C			IDCSB-08-D		
		Location	IDC-SB07			IDC-SB08			IDC-SB08			IDC-SB08			IDC-SB08		
		Sample Date	6/4/2010			6/7/2010			6/7/2010			6/7/2010			6/7/2010		
		Depth	44 to 48 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/Kg	6600															
Phenol	ug/Kg	52000															
bis(2-Chloroethyl) ether	ug/Kg	0.06															
2-Chlorophenol	ug/Kg	1140															
2-Methylphenol	ug/Kg	11600															
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2															
Acetophenone	ug/Kg	9000															
4-Methylphenol	ug/Kg	22000															
n-Nitroso-di-n-propylamine	ug/Kg	0.14															
Hexachloroethane	ug/Kg	9.6															
Nitrobenzene	ug/Kg	1.58															
Isophorone	ug/Kg	440															
2-Nitrophenol	ug/Kg	N/A															
2,4-Dimethylphenol	ug/Kg	6400															
bis(2-Chloroethoxy)methane	ug/Kg	220															
2,4-Dichlorophenol	ug/Kg	820															
Naphthalene	ug/Kg	9.4															
4-Chloroaniline	ug/Kg	2.6															
Hexachlorobutadiene	ug/Kg	10															
Caprolactam	ug/Kg	38000															
4-Chloro-3-methylphenol	ug/Kg	26000															
2-Methylnaphthalene	ug/Kg	2800															
Hexachlorocyclopentadiene	ug/Kg	3200															
2,4,6-Trichlorophenol	ug/Kg	260															
2,4,5-Trichlorophenol	ug/Kg	66000															
1,1'-Biphenyl	ug/Kg	174															
2-Chloronaphthalene	ug/Kg	58000															
2-Nitroaniline	ug/Kg	1240															

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-07-F			IDCSB-08-A			IDCSB-08-B			IDCSB-08-C			IDCSB-08-D		
		Location	IDC-SB07			IDC-SB08			IDC-SB08			IDC-SB08			IDC-SB08		
		Sample Date	6/4/2010			6/7/2010			6/7/2010			6/7/2010			6/7/2010		
		Depth	44 to 48 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Dimethylphthalate	ug/Kg	N/A															
2,6-Dinitrotoluene	ug/Kg	400															
Acenaphthylene	ug/Kg	N/A															
3-Nitroaniline	ug/Kg	N/A															
Acenaphthene	ug/Kg	82000															
2,4-Dinitrophenol	ug/Kg	680															
4-Nitrophenol	ug/Kg	N/A															
Dibenzofuran	ug/Kg	N/A															
2,4-Dinitrotoluene	ug/Kg	5.6															
Diethylphthalate	ug/Kg	94000															
Fluorene	ug/Kg	80000															
4-Chlorophenyl-phenylether	ug/Kg	N/A															
4-Nitroaniline	ug/Kg	28															
4,6-Dinitro-2-methylphenol	ug/Kg	40															
n-Nitrosodiphenylamine	ug/Kg	1140															
1,2,4,5-Tetrachlorobenzene	ug/Kg	116															
4-Bromophenyl-phenylether	ug/Kg	N/A															
Hexachlorobenzene	ug/Kg	260															
Atrazine	ug/Kg	38															
Pentachlorophenol	ug/Kg	200															
Phenanthrene	ug/Kg	N/A															
Anthracene	ug/Kg	840000															
Carbazole	ug/Kg	N/A															
Di-n-butylphthalate	ug/Kg	34000															
Fluoranthene	ug/Kg	230000															
Pyrene	ug/Kg	170000															
Butylbenzylphthalate	ug/Kg	4000															
3,3'-Dichlorobenzidine	ug/Kg	14.2															

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-07-F			IDCSB-08-A			IDCSB-08-B			IDCSB-08-C			IDCSB-08-D		
		Location	IDC-SB07			IDC-SB08			IDC-SB08			IDC-SB08			IDC-SB08		
		Sample Date	6/4/2010			6/7/2010			6/7/2010			6/7/2010			6/7/2010		
		Depth	44 to 48 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzo(a)anthracene	ug/Kg	150															
Chrysene	ug/Kg	15000															
bis(2-Ethylhexyl) phthalate	ug/Kg	28000															
Di-n-octylphthalate	ug/Kg	N/A															
Benzo(b)fluoranthene	ug/Kg	150															
Benzo(k)fluoranthene	ug/Kg	1500															
Benzo(a)pyrene	ug/Kg	15															
Indeno(1,2,3-cd)pyrene	ug/Kg	150															
Dibenz(a,h)anthracene	ug/Kg	15															
Benzo(g,h,i)perylene	ug/Kg	N/A															
Chlorophenols	ug/Kg	22000															
PCBs																	
Aroclor-1016	ug/Kg	390															
Aroclor-1221	ug/Kg	1.48															
Aroclor-1232	ug/Kg	1.48															
Aroclor-1242	ug/Kg	106															
Aroclor-1248	ug/Kg	104															
Aroclor-1254	ug/Kg	110															
Aroclor-1260	ug/Kg	220															
Aroclor-1262	ug/Kg	220															
Aroclor-1268	ug/Kg	220															
Pesticides																	
alpha-BHC	ug/Kg	0.72															
beta-BHC	ug/Kg	2.6															
delta-BHC	ug/Kg	N/A															
gamma-BHC (Lindane)	ug/Kg	24															

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-07-F			IDCSB-08-A			IDCSB-08-B			IDCSB-08-C			IDCSB-08-D		
		Location	IDC-SB07			IDC-SB08			IDC-SB08			IDC-SB08			IDC-SB08		
		Sample Date	6/4/2010			6/7/2010			6/7/2010			6/7/2010			6/7/2010		
		Depth	44 to 48 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Heptachlor	ug/Kg	110															
Aldrin	ug/Kg	0.68															
Heptachlor epoxide	ug/Kg	53															
Endosulfan I	ug/Kg	22000															
Dieldrin	ug/Kg	1.22															
4,4'-DDE	ug/Kg	920															
Endrin	ug/Kg	1620															
Endosulfan II	ug/Kg	22000															
4,4'-DDD	ug/Kg	1320															
Endosulfan sulfate	ug/Kg	22000															
4,4'-DDT	ug/Kg	1340															
Methoxychlor	ug/Kg	31000															
Endrin ketone	ug/Kg	1620															
Endrin aldehyde	ug/Kg	1620															
alpha-Chlordane	ug/Kg	1600															
gamma-Chlordane	ug/Kg	1600															
Toxaphene	ug/Kg	440															
Inorganic Analytes																	
Aluminum	mg/kg	7700															
Antimony	mg/kg	3.1															
Arsenic	mg/kg	0.39															
Barium	mg/kg	1500															
Beryllium	mg/kg	16															
Cadmium	mg/kg	7															
Calcium	mg/kg	N/A															
Chromium	mg/kg	0.29															
Cobalt	mg/kg	2.3															

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-07-F			IDCSB-08-A			IDCSB-08-B			IDCSB-08-C			IDCSB-08-D		
		Location	IDC-SB07			IDC-SB08			IDC-SB08			IDC-SB08			IDC-SB08		
		Sample Date	6/4/2010			6/7/2010			6/7/2010			6/7/2010			6/7/2010		
		Depth	44 to 48 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Copper	mg/kg	310															
Cyanide	mg/kg	4.7															
Iron	mg/kg	5400															
Lead	mg/kg	280															
Magnesium	mg/kg	N/A															
Manganese	mg/kg	21															
Mercury	mg/kg	2															
Nickel	mg/kg	150															
Potassium	mg/kg	N/A															
Selenium	mg/kg	5.2															
Silver	mg/kg	12															
Sodium	mg/kg	N/A															
Thallium	mg/kg	0.08															
Vanadium	mg/kg	39															
Zinc	mg/kg	2300															
Additional Parameters																	
% GRANULE & LARGER >2 MM	%	N/A															
% VERY COURSE SAND >1 - 2 MM	%	N/A															
% COARSE SAND >.5 - 1 MM	%	N/A															
% MEDIUM SAND >.25 - .5 MM	%	N/A															
% FINE SAND >.125 - .25 MM	%	N/A															
% VERY FINE SAND >.0625 - .125 MM	%	N/A															
% SILT	%	N/A															
% CLAY & COLLOIDS	%	N/A															
pH	s.u.	N/A	5.74		~							5.23		~	4.76		~
Total Organic Carbon	mg/Kg	N/A	2210		~							2120		~	1360		~

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-07-F			IDCSB-08-A			IDCSB-08-B			IDCSB-08-C			IDCSB-08-D		
		Location	IDC-SB07			IDC-SB08			IDC-SB08			IDC-SB08			IDC-SB08		
		Sample Date	6/4/2010			6/7/2010			6/7/2010			6/7/2010			6/7/2010		
		Depth	44 to 48 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

Notes:
Highlight indicates exceedance
SC - Site Specific Screening Criteria
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

Q - Qualifier
C - Compariso
Flag

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-08-D-DUP			IDCSB-08-E			IDCSB-08-F			IDCSB-08-G			IDCSB-09-A		
		Location	IDC-SB08			IDC-SB08			IDC-SB08			IDC-SB08			IDC-SB09		
		Sample Date	6/7/2010			6/7/2010			6/7/2010			6/7/2010			6/7/2010		
		Depth	20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																	
Dichlorodifluoromethane	ug/Kg	6000	6	U		6.5	U		8	U		7.4	U		8.2	U	
Chloromethane	ug/Kg	980	6	U		6.5	U		8	U		7.4	U		8.2	U	
Vinyl Chloride	ug/Kg	13.8	8.6		#	6.5	U		8	U		7.4	U		8.2	U	
Bromomethane	ug/Kg	36	6	U		6.5	U		8	U		7.4	U		8.2	U	
Chloroethane	ug/Kg	118000	6	U		6.5	U		8	U		7.4	U		8.2	U	
Trichlorofluoromethane	ug/Kg	13800	6	U		6.5	U		8	U		7.4	U		8.2	U	
1,1-Dichloroethene	ug/Kg	50	6	U		6.5	U		8	U		7.4	U		8.2	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6	U		6.5	U		8	U		7.4	U		8.2	U	
Acetone	ug/Kg	48000	12	U		13	U		16	U		15	U		16	U	
Carbon Disulfide	ug/Kg	4200	6	U		6.5	U		8	U		7.4	U		8.2	U	
Methyl Acetate	ug/Kg	64000	6	U		6.5	U		8	U		7.4	U		8.2	U	
Methylene Chloride	ug/Kg	26	6	U		6.5	U		8	U		7.4	U		8.2	U	
trans-1,2-Dichloroethene	ug/Kg	580	4.1	J	#	5.1	J	#	8	U		7.4	U		12		#
Methyl tert-Butyl Ether	ug/Kg	56	6	U		6.5	U		8	U		7.4	U		8.2	U	
1,1-Dichloroethane	ug/Kg	13.6	6	U		6.5	U		8	U		7.4	U		8.2	U	
cis-1,2-Dichloroethene	ug/Kg	420	160	J	#	360	J	#	8	U		7.4	U		310		#
2-Butanone	ug/Kg	20000	12	U		13	U		16	U		15	U		16	U	
Chlorobromomethane	ug/Kg	420	6	U		6.5	U		8	U		7.4	U		8.2	U	
Chloroform	ug/Kg	290	6	U		6.5	U		8	U		7.4	U		8.2	U	
1,1,1-Trichloroethane	ug/Kg	1400	6	U		6.5	U		8	U		7.4	U		8.2	U	
Cyclohexane	ug/Kg	117000	6	U		6.5	U		8	U		7.4	U		8.2	U	
Carbon Tetrachloride	ug/Kg	38	6	U		6.5	U		8	U		7.4	U		8.2	U	
Benzene	ug/Kg	52	6	U		6.5	U		8	U		7.4	U		8.2	U	
1,2-Dichloroethane	ug/Kg	28	6	U		6.5	U		8	U		7.4	U		8.2	U	
1,4-Dioxane	ug/Kg	2.8	120	R		130	R		160	R		150	R		160	R	
Trichloroethene	ug/Kg	36	**260**	J	A	**230**	J	A	8	U		7.4	U		**1400**		A

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-08-D-DUP			IDCSB-08-E			IDCSB-08-F			IDCSB-08-G			IDCSB-09-A		
		Location	IDC-SB08			IDC-SB08			IDC-SB08			IDC-SB08			IDC-SB09		
		Sample Date	6/7/2010			6/7/2010			6/7/2010			6/7/2010			6/7/2010		
		Depth	20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	6	U		6.5	U		8	U		7.4	U		8.2	U	
1,2-Dichloropropane	ug/Kg	34	6	U		6.5	U		8	U		7.4	U		8.2	U	
Bromodichloromethane	ug/Kg	270	6	U		6.5	U		8	U		7.4	U		8.2	U	
cis-1,3-Dichloropropene	ug/Kg	3	2.4	U		2.6	U		3.2	U		2.9	U		3.3	U	
4-Methyl-2-pentanone	ug/Kg	4600	12	U		13	U		16	U		15	U		16	U	
Toluene	ug/Kg	13800	6	U		6.5	U		8	U		7.4	U		8.2	U	
trans-1,3-Dichloropropene	ug/Kg	3	2.4	U		2.6	U		3.2	U		2.9	U		3.3	U	
1,1,2-Trichloroethane	ug/Kg	32	6	U		6.5	U		8	U		7.4	U		8.2	U	
Tetrachloroethene	ug/Kg	46	**3500**		A	**1300**		A	**270**		A	6	J	#	**3500**		A
2-Hexanone	ug/Kg	158	12	U		13	U		16	U		15	U		16	U	
Dibromochloromethane	ug/Kg	420	6	U		6.5	U		8	U		7.4	U		8.2	U	
1,2-Dibromoethane	ug/Kg	0.28	6	U		6.5	U		8	U		7.4	U		8.2	U	
Chlorobenzene	ug/Kg	1360	6	U		6.5	U		8	U		7.4	U		8.2	U	
Ethylbenzene	ug/Kg	5400	6	U		6.5	U		8	U		7.4	U		8.2	U	
o-Xylene	ug/Kg	3800	6	U		6.5	U		8	U		7.4	U		8.2	U	
m,p-Xylene	ug/Kg	3600	6	U		6.5	U		8	U		7.4	U		8.2	U	
Styrene	ug/Kg	2200	6	U		6.5	U		8	U		7.4	U		8.2	U	
Bromoform	ug/Kg	420	6	U		6.5	U		8	U		7.4	U		8.2	U	
Isopropylbenzene	ug/Kg	12800	6	U		6.5	U		8	U		7.4	U		8.2	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	2.4	U		2.6	U		3.2	U		2.9	U		3.3	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6	U		6.5	U		8	U		7.4	U		8.2	U	
1,4-Dichlorobenzene	ug/Kg	1440	6	U		6.5	U		8	U		7.4	U		8.2	U	
1,2-Dichlorobenzene	ug/Kg	11600	6	U		6.5	U		8	U		7.4	U		8.2	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6	U		6.5	U		8	U		7.4	U		8.2	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6	U		6.5	U		8	U		7.4	U		8.2	U	
1,2,3-Trichlorobenzene	ug/Kg	300	6	U		6.5	U		8	U		7.4	U		8.2	U	
Semi-Volatile Organic Compounds																	

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-08-D-DUP			IDCSB-08-E			IDCSB-08-F			IDCSB-08-G			IDCSB-09-A		
		Location	IDC-SB08			IDC-SB08			IDC-SB08			IDC-SB08			IDC-SB09		
		Sample Date	6/7/2010			6/7/2010			6/7/2010			6/7/2010			6/7/2010		
		Depth	20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/Kg	6600															
Phenol	ug/Kg	52000															
bis(2-Chloroethyl) ether	ug/Kg	0.06															
2-Chlorophenol	ug/Kg	1140															
2-Methylphenol	ug/Kg	11600															
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2															
Acetophenone	ug/Kg	9000															
4-Methylphenol	ug/Kg	22000															
n-Nitroso-di-n-propylamine	ug/Kg	0.14															
Hexachloroethane	ug/Kg	9.6															
Nitrobenzene	ug/Kg	1.58															
Isophorone	ug/Kg	440															
2-Nitrophenol	ug/Kg	N/A															
2,4-Dimethylphenol	ug/Kg	6400															
bis(2-Chloroethoxy)methane	ug/Kg	220															
2,4-Dichlorophenol	ug/Kg	820															
Naphthalene	ug/Kg	9.4															
4-Chloroaniline	ug/Kg	2.6															
Hexachlorobutadiene	ug/Kg	10															
Caprolactam	ug/Kg	38000															
4-Chloro-3-methylphenol	ug/Kg	26000															
2-Methylnaphthalene	ug/Kg	2800															
Hexachlorocyclopentadiene	ug/Kg	3200															
2,4,6-Trichlorophenol	ug/Kg	260															
2,4,5-Trichlorophenol	ug/Kg	66000															
1,1'-Biphenyl	ug/Kg	174															
2-Chloronaphthalene	ug/Kg	58000															
2-Nitroaniline	ug/Kg	1240															

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-08-D-DUP			IDCSB-08-E			IDCSB-08-F			IDCSB-08-G			IDCSB-09-A		
		Location	IDC-SB08			IDC-SB08			IDC-SB08			IDC-SB08			IDC-SB09		
		Sample Date	6/7/2010			6/7/2010			6/7/2010			6/7/2010			6/7/2010		
		Depth	20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Dimethylphthalate	ug/Kg	N/A															
2,6-Dinitrotoluene	ug/Kg	400															
Acenaphthylene	ug/Kg	N/A															
3-Nitroaniline	ug/Kg	N/A															
Acenaphthene	ug/Kg	82000															
2,4-Dinitrophenol	ug/Kg	680															
4-Nitrophenol	ug/Kg	N/A															
Dibenzofuran	ug/Kg	N/A															
2,4-Dinitrotoluene	ug/Kg	5.6															
Diethylphthalate	ug/Kg	94000															
Fluorene	ug/Kg	80000															
4-Chlorophenyl-phenylether	ug/Kg	N/A															
4-Nitroaniline	ug/Kg	28															
4,6-Dinitro-2-methylphenol	ug/Kg	40															
n-Nitrosodiphenylamine	ug/Kg	1140															
1,2,4,5-Tetrachlorobenzene	ug/Kg	116															
4-Bromophenyl-phenylether	ug/Kg	N/A															
Hexachlorobenzene	ug/Kg	260															
Atrazine	ug/Kg	38															
Pentachlorophenol	ug/Kg	200															
Phenanthrene	ug/Kg	N/A															
Anthracene	ug/Kg	840000															
Carbazole	ug/Kg	N/A															
Di-n-butylphthalate	ug/Kg	34000															
Fluoranthene	ug/Kg	230000															
Pyrene	ug/Kg	170000															
Butylbenzylphthalate	ug/Kg	4000															
3,3'-Dichlorobenzidine	ug/Kg	14.2															

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-08-D-DUP			IDCSB-08-E			IDCSB-08-F			IDCSB-08-G			IDCSB-09-A		
		Location	IDC-SB08			IDC-SB08			IDC-SB08			IDC-SB08			IDC-SB09		
		Sample Date	6/7/2010			6/7/2010			6/7/2010			6/7/2010			6/7/2010		
		Depth	20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzo(a)anthracene	ug/Kg	150															
Chrysene	ug/Kg	15000															
bis(2-Ethylhexyl) phthalate	ug/Kg	28000															
Di-n-octylphthalate	ug/Kg	N/A															
Benzo(b)fluoranthene	ug/Kg	150															
Benzo(k)fluoranthene	ug/Kg	1500															
Benzo(a)pyrene	ug/Kg	15															
Indeno(1,2,3-cd)pyrene	ug/Kg	150															
Dibenz(a,h)anthracene	ug/Kg	15															
Benzo(g,h,i)perylene	ug/Kg	N/A															
Chlorophenols	ug/Kg	22000															
PCBs																	
Aroclor-1016	ug/Kg	390															
Aroclor-1221	ug/Kg	1.48															
Aroclor-1232	ug/Kg	1.48															
Aroclor-1242	ug/Kg	106															
Aroclor-1248	ug/Kg	104															
Aroclor-1254	ug/Kg	110															
Aroclor-1260	ug/Kg	220															
Aroclor-1262	ug/Kg	220															
Aroclor-1268	ug/Kg	220															
Pesticides																	
alpha-BHC	ug/Kg	0.72															
beta-BHC	ug/Kg	2.6															
delta-BHC	ug/Kg	N/A															
gamma-BHC (Lindane)	ug/Kg	24															

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-08-D-DUP			IDCSB-08-E			IDCSB-08-F			IDCSB-08-G			IDCSB-09-A		
		Location	IDC-SB08			IDC-SB08			IDC-SB08			IDC-SB08			IDC-SB09		
		Sample Date	6/7/2010			6/7/2010			6/7/2010			6/7/2010			6/7/2010		
		Depth	20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Heptachlor	ug/Kg	110															
Aldrin	ug/Kg	0.68															
Heptachlor epoxide	ug/Kg	53															
Endosulfan I	ug/Kg	22000															
Dieldrin	ug/Kg	1.22															
4,4'-DDE	ug/Kg	920															
Endrin	ug/Kg	1620															
Endosulfan II	ug/Kg	22000															
4,4'-DDD	ug/Kg	1320															
Endosulfan sulfate	ug/Kg	22000															
4,4'-DDT	ug/Kg	1340															
Methoxychlor	ug/Kg	31000															
Endrin ketone	ug/Kg	1620															
Endrin aldehyde	ug/Kg	1620															
alpha-Chlordane	ug/Kg	1600															
gamma-Chlordane	ug/Kg	1600															
Toxaphene	ug/Kg	440															
Inorganic Analytes																	
Aluminum	mg/kg	7700															
Antimony	mg/kg	3.1															
Arsenic	mg/kg	0.39															
Barium	mg/kg	1500															
Beryllium	mg/kg	16															
Cadmium	mg/kg	7															
Calcium	mg/kg	N/A															
Chromium	mg/kg	0.29															
Cobalt	mg/kg	2.3															

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-08-D-DUP			IDCSB-08-E			IDCSB-08-F			IDCSB-08-G			IDCSB-09-A		
		Location	IDC-SB08			IDC-SB08			IDC-SB08			IDC-SB08			IDC-SB09		
		Sample Date	6/7/2010			6/7/2010			6/7/2010			6/7/2010			6/7/2010		
		Depth	20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Copper	mg/kg	310															
Cyanide	mg/kg	4.7															
Iron	mg/kg	5400															
Lead	mg/kg	280															
Magnesium	mg/kg	N/A															
Manganese	mg/kg	21															
Mercury	mg/kg	2															
Nickel	mg/kg	150															
Potassium	mg/kg	N/A															
Selenium	mg/kg	5.2															
Silver	mg/kg	12															
Sodium	mg/kg	N/A															
Thallium	mg/kg	0.08															
Vanadium	mg/kg	39															
Zinc	mg/kg	2300															
Additional Parameters																	
% GRANULE & LARGER >2 MM	%	N/A															
% VERY COURSE SAND >1 - 2 MM	%	N/A															
% COARSE SAND >.5 - 1 MM	%	N/A															
% MEDIUM SAND >.25 - .5 MM	%	N/A															
% FINE SAND >.125 - .25 MM	%	N/A															
% VERY FINE SAND >.0625 - .125 MM	%	N/A															
% SILT	%	N/A															
% CLAY & COLLOIDS	%	N/A															
pH	s.u.	N/A	4.76		~												
Total Organic Carbon	mg/Kg	N/A	1510		~												

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-08-D-DUP			IDCSB-08-E			IDCSB-08-F			IDCSB-08-G			IDCSB-09-A		
		Location	IDC-SB08			IDC-SB08			IDC-SB08			IDC-SB08			IDC-SB09		
		Sample Date	6/7/2010			6/7/2010			6/7/2010			6/7/2010			6/7/2010		
		Depth	20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Compariso
Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-09-B			IDCSB-09-C			IDCSB-09-D			IDCSB-09-E			IDCSB-09-F		
		Location	IDC-SB09			IDC-SB09			IDC-SB09			IDC-SB09			IDC-SB09		
		Sample Date	6/7/2010			6/7/2010			6/8/2010			6/8/2010			6/8/2010		
		Depth	4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																	
Dichlorodifluoromethane	ug/Kg	6000	340	U		430	U		450	U		440	U		7.2	U	
Chloromethane	ug/Kg	980	340	U		270	J	#	310	J	#	290	J	#	7.2	U	
Vinyl Chloride	ug/Kg	13.8	340	U		430	U		450	U		440	U		7.2	U	
Bromomethane	ug/Kg	36	340	U		430	U		450	U		440	U		7.2	U	
Chloroethane	ug/Kg	118000	340	U		430	U		450	U		440	U		7.2	U	
Trichlorofluoromethane	ug/Kg	13800	340	U		430	U		450	U		440	U		7.2	U	
1,1-Dichloroethene	ug/Kg	50	340	U		430	U		450	U		440	U		7.2	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	340	U		430	U		450	U		440	U		7.2	U	
Acetone	ug/Kg	48000	680	U		870	U		910	U		880	U		14	U	
Carbon Disulfide	ug/Kg	4200	340	U		430	U		450	U		440	U		7.2	U	
Methyl Acetate	ug/Kg	64000	340	U		430	U		450	U		440	U		7.2	U	
Methylene Chloride	ug/Kg	26	340	U		430	UJ		450	UJ		440	U		7.2	U	
trans-1,2-Dichloroethene	ug/Kg	580	340	U		430	U		450	U		440	U		7.2	U	
Methyl tert-Butyl Ether	ug/Kg	56	340	U		430	U		450	U		440	U		7.2	U	
1,1-Dichloroethane	ug/Kg	13.6	340	U		430	U		450	U		440	U		7.2	U	
cis-1,2-Dichloroethene	ug/Kg	420	340	U		430	U		290	J	#	250	J	#	6	J	#
2-Butanone	ug/Kg	20000	680	U		870	U		910	U		880	U		14	U	
Chlorobromomethane	ug/Kg	420	340	U		430	U		450	U		440	U		7.2	U	
Chloroform	ug/Kg	290	340	U		430	U		450	U		440	U		7.2	U	
1,1,1-Trichloroethane	ug/Kg	1400	340	U		430	U		450	U		440	U		7.2	U	
Cyclohexane	ug/Kg	117000	340	U		430	U		450	U		440	U		7.2	U	
Carbon Tetrachloride	ug/Kg	38	340	U		430	U		450	U		440	U		7.2	U	
Benzene	ug/Kg	52	340	U		430	U		450	U		440	U		7.2	U	
1,2-Dichloroethane	ug/Kg	28	340	U		430	U		450	U		440	U		7.2	U	
1,4-Dioxane	ug/Kg	2.8	6800	R		8700	R		9100	R		8800	R		140	R	
Trichloroethene	ug/Kg	36	340	U		430	U		**180**	J	A	440	U		4.8	J	#

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-09-B			IDCSB-09-C			IDCSB-09-D			IDCSB-09-E			IDCSB-09-F		
		Location	IDC-SB09			IDC-SB09			IDC-SB09			IDC-SB09			IDC-SB09		
		Sample Date	6/7/2010			6/7/2010			6/8/2010			6/8/2010			6/8/2010		
		Depth	4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	340	U		430	U		450	U		440	U		7.2	U	
1,2-Dichloropropane	ug/Kg	34	340	U		430	U		450	U		440	U		7.2	U	
Bromodichloromethane	ug/Kg	270	340	U		430	U		450	U		440	U		7.2	U	
cis-1,3-Dichloropropene	ug/Kg	3	140	U		170	U		180	U		180	U		2.9	U	
4-Methyl-2-pentanone	ug/Kg	4600	680	U		870	U		910	U		880	U		14	U	
Toluene	ug/Kg	13800	340	U		430	U		450	U		440	U		7.2	U	
trans-1,3-Dichloropropene	ug/Kg	3	140	U		170	U		180	U		180	U		2.9	U	
1,1,2-Trichloroethane	ug/Kg	32	340	U		430	U		450	U		440	U		7.2	U	
Tetrachloroethene	ug/Kg	46	**1300**		A	**1300**		A	**3500**		A	**1800**		A	**130**		A
2-Hexanone	ug/Kg	158	680	U		870	U		910	U		880	U		14	U	
Dibromochloromethane	ug/Kg	420	340	U		430	U		450	U		440	U		7.2	U	
1,2-Dibromoethane	ug/Kg	0.28	340	U		430	U		450	U		440	U		7.2	U	
Chlorobenzene	ug/Kg	1360	340	U		430	U		450	U		440	U		7.2	U	
Ethylbenzene	ug/Kg	5400	340	U		430	U		450	U		440	U		7.2	U	
o-Xylene	ug/Kg	3800	340	U		430	U		450	U		440	U		7.2	U	
m,p-Xylene	ug/Kg	3600	340	U		430	U		450	U		440	U		7.2	U	
Styrene	ug/Kg	2200	340	U		430	U		450	U		440	U		7.2	U	
Bromoform	ug/Kg	420	340	U		430	U		450	U		440	U		7.2	U	
Isopropylbenzene	ug/Kg	12800	340	U		430	U		450	U		440	U		7.2	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	140	U		170	U		180	U		180	U		2.9	U	
1,3-Dichlorobenzene	ug/Kg	N/A	340	U		430	U		450	U		440	U		7.2	U	
1,4-Dichlorobenzene	ug/Kg	1440	340	U		430	U		450	U		440	U		7.2	U	
1,2-Dichlorobenzene	ug/Kg	11600	340	U		430	U		450	U		440	U		7.2	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	340	U		430	U		450	U		440	U		7.2	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	340	U		430	U		450	U		440	U		7.2	U	
1,2,3-Trichlorobenzene	ug/Kg	300	340	U		430	U		450	U		440	U		7.2	U	
Semi-Volatile Organic Compounds																	

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-09-B			IDCSB-09-C			IDCSB-09-D			IDCSB-09-E			IDCSB-09-F		
		Location	IDC-SB09			IDC-SB09			IDC-SB09			IDC-SB09			IDC-SB09		
		Sample Date	6/7/2010			6/7/2010			6/8/2010			6/8/2010			6/8/2010		
		Depth	4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/Kg	6600															
Phenol	ug/Kg	52000															
bis(2-Chloroethyl) ether	ug/Kg	0.06															
2-Chlorophenol	ug/Kg	1140															
2-Methylphenol	ug/Kg	11600															
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2															
Acetophenone	ug/Kg	9000															
4-Methylphenol	ug/Kg	22000															
n-Nitroso-di-n-propylamine	ug/Kg	0.14															
Hexachloroethane	ug/Kg	9.6															
Nitrobenzene	ug/Kg	1.58															
Isophorone	ug/Kg	440															
2-Nitrophenol	ug/Kg	N/A															
2,4-Dimethylphenol	ug/Kg	6400															
bis(2-Chloroethoxy)methane	ug/Kg	220															
2,4-Dichlorophenol	ug/Kg	820															
Naphthalene	ug/Kg	9.4															
4-Chloroaniline	ug/Kg	2.6															
Hexachlorobutadiene	ug/Kg	10															
Caprolactam	ug/Kg	38000															
4-Chloro-3-methylphenol	ug/Kg	26000															
2-Methylnaphthalene	ug/Kg	2800															
Hexachlorocyclopentadiene	ug/Kg	3200															
2,4,6-Trichlorophenol	ug/Kg	260															
2,4,5-Trichlorophenol	ug/Kg	66000															
1,1'-Biphenyl	ug/Kg	174															
2-Chloronaphthalene	ug/Kg	58000															
2-Nitroaniline	ug/Kg	1240															

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-09-B			IDCSB-09-C			IDCSB-09-D			IDCSB-09-E			IDCSB-09-F		
		Location	IDC-SB09			IDC-SB09			IDC-SB09			IDC-SB09			IDC-SB09		
		Sample Date	6/7/2010			6/7/2010			6/8/2010			6/8/2010			6/8/2010		
		Depth	4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Dimethylphthalate	ug/Kg	N/A															
2,6-Dinitrotoluene	ug/Kg	400															
Acenaphthylene	ug/Kg	N/A															
3-Nitroaniline	ug/Kg	N/A															
Acenaphthene	ug/Kg	82000															
2,4-Dinitrophenol	ug/Kg	680															
4-Nitrophenol	ug/Kg	N/A															
Dibenzofuran	ug/Kg	N/A															
2,4-Dinitrotoluene	ug/Kg	5.6															
Diethylphthalate	ug/Kg	94000															
Fluorene	ug/Kg	80000															
4-Chlorophenyl-phenylether	ug/Kg	N/A															
4-Nitroaniline	ug/Kg	28															
4,6-Dinitro-2-methylphenol	ug/Kg	40															
n-Nitrosodiphenylamine	ug/Kg	1140															
1,2,4,5-Tetrachlorobenzene	ug/Kg	116															
4-Bromophenyl-phenylether	ug/Kg	N/A															
Hexachlorobenzene	ug/Kg	260															
Atrazine	ug/Kg	38															
Pentachlorophenol	ug/Kg	200															
Phenanthrene	ug/Kg	N/A															
Anthracene	ug/Kg	840000															
Carbazole	ug/Kg	N/A															
Di-n-butylphthalate	ug/Kg	34000															
Fluoranthene	ug/Kg	230000															
Pyrene	ug/Kg	170000															
Butylbenzylphthalate	ug/Kg	4000															
3,3'-Dichlorobenzidine	ug/Kg	14.2															

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-09-B			IDCSB-09-C			IDCSB-09-D			IDCSB-09-E			IDCSB-09-F		
		Location	IDC-SB09			IDC-SB09			IDC-SB09			IDC-SB09			IDC-SB09		
		Sample Date	6/7/2010			6/7/2010			6/8/2010			6/8/2010			6/8/2010		
		Depth	4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzo(a)anthracene	ug/Kg	150															
Chrysene	ug/Kg	15000															
bis(2-Ethylhexyl) phthalate	ug/Kg	28000															
Di-n-octylphthalate	ug/Kg	N/A															
Benzo(b)fluoranthene	ug/Kg	150															
Benzo(k)fluoranthene	ug/Kg	1500															
Benzo(a)pyrene	ug/Kg	15															
Indeno(1,2,3-cd)pyrene	ug/Kg	150															
Dibenz(a,h)anthracene	ug/Kg	15															
Benzo(g,h,i)perylene	ug/Kg	N/A															
Chlorophenols	ug/Kg	22000															
PCBs																	
Aroclor-1016	ug/Kg	390															
Aroclor-1221	ug/Kg	1.48															
Aroclor-1232	ug/Kg	1.48															
Aroclor-1242	ug/Kg	106															
Aroclor-1248	ug/Kg	104															
Aroclor-1254	ug/Kg	110															
Aroclor-1260	ug/Kg	220															
Aroclor-1262	ug/Kg	220															
Aroclor-1268	ug/Kg	220															
Pesticides																	
alpha-BHC	ug/Kg	0.72															
beta-BHC	ug/Kg	2.6															
delta-BHC	ug/Kg	N/A															
gamma-BHC (Lindane)	ug/Kg	24															

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-09-B			IDCSB-09-C			IDCSB-09-D			IDCSB-09-E			IDCSB-09-F		
		Location	IDC-SB09			IDC-SB09			IDC-SB09			IDC-SB09			IDC-SB09		
		Sample Date	6/7/2010			6/7/2010			6/8/2010			6/8/2010			6/8/2010		
		Depth	4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Heptachlor	ug/Kg	110															
Aldrin	ug/Kg	0.68															
Heptachlor epoxide	ug/Kg	53															
Endosulfan I	ug/Kg	22000															
Dieldrin	ug/Kg	1.22															
4,4'-DDE	ug/Kg	920															
Endrin	ug/Kg	1620															
Endosulfan II	ug/Kg	22000															
4,4'-DDD	ug/Kg	1320															
Endosulfan sulfate	ug/Kg	22000															
4,4'-DDT	ug/Kg	1340															
Methoxychlor	ug/Kg	31000															
Endrin ketone	ug/Kg	1620															
Endrin aldehyde	ug/Kg	1620															
alpha-Chlordane	ug/Kg	1600															
gamma-Chlordane	ug/Kg	1600															
Toxaphene	ug/Kg	440															
Inorganic Analytes																	
Aluminum	mg/kg	7700															
Antimony	mg/kg	3.1															
Arsenic	mg/kg	0.39															
Barium	mg/kg	1500															
Beryllium	mg/kg	16															
Cadmium	mg/kg	7															
Calcium	mg/kg	N/A															
Chromium	mg/kg	0.29															
Cobalt	mg/kg	2.3															

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-09-B			IDCSB-09-C			IDCSB-09-D			IDCSB-09-E			IDCSB-09-F		
		Location	IDC-SB09			IDC-SB09			IDC-SB09			IDC-SB09			IDC-SB09		
		Sample Date	6/7/2010			6/7/2010			6/8/2010			6/8/2010			6/8/2010		
		Depth	4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Copper	mg/kg	310															
Cyanide	mg/kg	4.7															
Iron	mg/kg	5400															
Lead	mg/kg	280															
Magnesium	mg/kg	N/A															
Manganese	mg/kg	21															
Mercury	mg/kg	2															
Nickel	mg/kg	150															
Potassium	mg/kg	N/A															
Selenium	mg/kg	5.2															
Silver	mg/kg	12															
Sodium	mg/kg	N/A															
Thallium	mg/kg	0.08															
Vanadium	mg/kg	39															
Zinc	mg/kg	2300															
Additional Parameters																	
% GRANULE & LARGER >2 MM	%	N/A															
% VERY COURSE SAND >1 - 2 MM	%	N/A															
% COARSE SAND >.5 - 1 MM	%	N/A															
% MEDIUM SAND >.25 - .5 MM	%	N/A															
% FINE SAND >.125 - .25 MM	%	N/A															
% VERY FINE SAND >.0625 - .125 MM	%	N/A															
% SILT	%	N/A															
% CLAY & COLLOIDS	%	N/A															
pH	s.u.	N/A				4.96		~				5.19		~			
Total Organic Carbon	mg/Kg	N/A				2270		~				1380		~			

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-09-B			IDCSB-09-C			IDCSB-09-D			IDCSB-09-E			IDCSB-09-F		
		Location	IDC-SB09			IDC-SB09			IDC-SB09			IDC-SB09			IDC-SB09		
		Sample Date	6/7/2010			6/7/2010			6/8/2010			6/8/2010			6/8/2010		
		Depth	4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Compariso

Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-10-A			IDCSB-10-B			IDCSB-10-C			IDCSB-11-A			IDCSB-11-B		
		Location	IDC-SB10			IDC-SB10			IDC-SB10			IDC-SB11			IDC-SB11		
		Sample Date	6/8/2010			6/8/2010			6/8/2010			6/8/2010			6/8/2010		
		Depth	0 to 4 ft			4 to 8 ft			8 to 12 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																	
Dichlorodifluoromethane	ug/Kg	6000	2000	U		8900	U		8100	U		470	U		1000	U	
Chloromethane	ug/Kg	980	2000	U		8900	U		8100	U		470	U		1000	U	
Vinyl Chloride	ug/Kg	13.8	2000	U		8900	U		8100	U		470	U		1000	U	
Bromomethane	ug/Kg	36	2000	U		8900	U		8100	U		470	U		1000	U	
Chloroethane	ug/Kg	118000	2000	U		8900	U		8100	U		470	U		1000	U	
Trichlorofluoromethane	ug/Kg	13800	2000	U		8900	U		8100	U		470	U		1000	U	
1,1-Dichloroethene	ug/Kg	50	2000	U		8900	U		8100	U		470	U		1000	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	2000	U		8900	U		8100	U		470	U		1000	U	
Acetone	ug/Kg	48000	3900	U		18000	U		16000	U		940	U		2000	U	
Carbon Disulfide	ug/Kg	4200	2000	U		8900	U		8100	U		470	U		1000	U	
Methyl Acetate	ug/Kg	64000	2000	U		8900	U		8100	U		470	U		1000	U	
Methylene Chloride	ug/Kg	26	2000	U		8900	U		8100	U		470	U		1000	U	
trans-1,2-Dichloroethene	ug/Kg	580	2000	U		8900	U		8100	U		470	U		1000	U	
Methyl tert-Butyl Ether	ug/Kg	56	2000	U		8900	U		8100	U		470	U		1000	U	
1,1-Dichloroethane	ug/Kg	13.6	2000	U		8900	U		8100	U		470	U		1000	U	
cis-1,2-Dichloroethene	ug/Kg	420	**900**	J	A	**18000**		A	**21000**		A	**580**		A	**16000**		A
2-Butanone	ug/Kg	20000	3900	U		18000	U		16000	U		940	U		2000	U	
Chlorobromomethane	ug/Kg	420	2000	U		8900	U		8100	U		470	U		1000	U	
Chloroform	ug/Kg	290	2000	U		8900	U		8100	U		470	U		1000	U	
1,1,1-Trichloroethane	ug/Kg	1400	2000	U		8900	U		8100	U		470	U		1000	U	
Cyclohexane	ug/Kg	117000	2000	U		8900	U		8100	U		470	U		1000	UJ	
Carbon Tetrachloride	ug/Kg	38	2000	U		8900	U		8100	U		470	U		1000	U	
Benzene	ug/Kg	52	2000	U		8900	U		8100	U		470	U		1000	U	
1,2-Dichloroethane	ug/Kg	28	2000	U		8900	U		8100	U		470	U		1000	U	
1,4-Dioxane	ug/Kg	2.8	39000	R		180000	R		160000	R		9400	R		20000	R	
Trichloroethene	ug/Kg	36	**3000**		A	**13000**		A	**25000**		A	470	U		1000	U	

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-10-A			IDCSB-10-B			IDCSB-10-C			IDCSB-11-A			IDCSB-11-B		
		Location	IDC-SB10			IDC-SB10			IDC-SB10			IDC-SB11			IDC-SB11		
		Sample Date	6/8/2010			6/8/2010			6/8/2010			6/8/2010			6/8/2010		
		Depth	0 to 4 ft			4 to 8 ft			8 to 12 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	2000	U		8900	U		8100	U		470	U		1000	UJ	
1,2-Dichloropropane	ug/Kg	34	2000	U		8900	U		8100	U		470	U		1000	UJ	
Bromodichloromethane	ug/Kg	270	2000	U		8900	U		8100	U		470	U		1000	UJ	
cis-1,3-Dichloropropene	ug/Kg	3	780	U		3500	U		3200	U		190	U		400	U	
4-Methyl-2-pentanone	ug/Kg	4600	3900	U		18000	U		16000	U		940	U		2000	U	
Toluene	ug/Kg	13800	2000	U		8900	U		8100	U		470	U		1000	U	
trans-1,3-Dichloropropene	ug/Kg	3	780	U		3500	U		3200	U		190	U		400	U	
1,1,2-Trichloroethane	ug/Kg	32	2000	U		8900	U		8100	U		470	U		1000	U	
Tetrachloroethene	ug/Kg	46	**40000**		A	**140000**		A	**170000**		A	470	U		1000	U	
2-Hexanone	ug/Kg	158	3900	U		18000	U		16000	U		940	U		2000	U	
Dibromochloromethane	ug/Kg	420	2000	U		8900	U		8100	U		470	U		1000	U	
1,2-Dibromoethane	ug/Kg	0.28	2000	U		8900	U		8100	U		470	U		1000	U	
Chlorobenzene	ug/Kg	1360	2000	U		8900	U		8100	U		470	U		1000	U	
Ethylbenzene	ug/Kg	5400	2000	U		8900	U		8100	U		470	U		1000	U	
o-Xylene	ug/Kg	3800	2000	U		8900	U		8100	U		470	U		1000	U	
m,p-Xylene	ug/Kg	3600	2000	U		8900	U		8100	U		470	U		1000	U	
Styrene	ug/Kg	2200	2000	U		8900	U		8100	U		470	U		1000	U	
Bromoform	ug/Kg	420	2000	U		8900	U		8100	U		470	U		1000	U	
Isopropylbenzene	ug/Kg	12800	2000	U		8900	U		8100	U		470	U		1000	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	780	U		3500	U		3200	U		190	U		400	U	
1,3-Dichlorobenzene	ug/Kg	N/A	2000	U		8900	U		8100	U		470	U		1000	U	
1,4-Dichlorobenzene	ug/Kg	1440	2000	U		8900	U		8100	U		470	U		1000	U	
1,2-Dichlorobenzene	ug/Kg	11600	2000	U		8900	U		8100	U		470	U		1000	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	2000	U		8900	U		8100	U		470	U		1000	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	2000	U		8900	U		8100	U		470	U		1000	U	
1,2,3-Trichlorobenzene	ug/Kg	300	2000	U		8900	U		8100	U		470	U		1000	U	
Semi-Volatile Organic Compounds																	

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-10-A			IDCSB-10-B			IDCSB-10-C			IDCSB-11-A			IDCSB-11-B		
		Location	IDC-SB10			IDC-SB10			IDC-SB10			IDC-SB11			IDC-SB11		
		Sample Date	6/8/2010			6/8/2010			6/8/2010			6/8/2010			6/8/2010		
		Depth	0 to 4 ft			4 to 8 ft			8 to 12 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/Kg	6600															
Phenol	ug/Kg	52000															
bis(2-Chloroethyl) ether	ug/Kg	0.06															
2-Chlorophenol	ug/Kg	1140															
2-Methylphenol	ug/Kg	11600															
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2															
Acetophenone	ug/Kg	9000															
4-Methylphenol	ug/Kg	22000															
n-Nitroso-di-n-propylamine	ug/Kg	0.14															
Hexachloroethane	ug/Kg	9.6															
Nitrobenzene	ug/Kg	1.58															
Isophorone	ug/Kg	440															
2-Nitrophenol	ug/Kg	N/A															
2,4-Dimethylphenol	ug/Kg	6400															
bis(2-Chloroethoxy)methane	ug/Kg	220															
2,4-Dichlorophenol	ug/Kg	820															
Naphthalene	ug/Kg	9.4															
4-Chloroaniline	ug/Kg	2.6															
Hexachlorobutadiene	ug/Kg	10															
Caprolactam	ug/Kg	38000															
4-Chloro-3-methylphenol	ug/Kg	26000															
2-Methylnaphthalene	ug/Kg	2800															
Hexachlorocyclopentadiene	ug/Kg	3200															
2,4,6-Trichlorophenol	ug/Kg	260															
2,4,5-Trichlorophenol	ug/Kg	66000															
1,1'-Biphenyl	ug/Kg	174															
2-Chloronaphthalene	ug/Kg	58000															
2-Nitroaniline	ug/Kg	1240															

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-10-A			IDCSB-10-B			IDCSB-10-C			IDCSB-11-A			IDCSB-11-B		
		Location	IDC-SB10			IDC-SB10			IDC-SB10			IDC-SB11			IDC-SB11		
		Sample Date	6/8/2010			6/8/2010			6/8/2010			6/8/2010			6/8/2010		
		Depth	0 to 4 ft			4 to 8 ft			8 to 12 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Dimethylphthalate	ug/Kg	N/A															
2,6-Dinitrotoluene	ug/Kg	400															
Acenaphthylene	ug/Kg	N/A															
3-Nitroaniline	ug/Kg	N/A															
Acenaphthene	ug/Kg	82000															
2,4-Dinitrophenol	ug/Kg	680															
4-Nitrophenol	ug/Kg	N/A															
Dibenzofuran	ug/Kg	N/A															
2,4-Dinitrotoluene	ug/Kg	5.6															
Diethylphthalate	ug/Kg	94000															
Fluorene	ug/Kg	80000															
4-Chlorophenyl-phenylether	ug/Kg	N/A															
4-Nitroaniline	ug/Kg	28															
4,6-Dinitro-2-methylphenol	ug/Kg	40															
n-Nitrosodiphenylamine	ug/Kg	1140															
1,2,4,5-Tetrachlorobenzene	ug/Kg	116															
4-Bromophenyl-phenylether	ug/Kg	N/A															
Hexachlorobenzene	ug/Kg	260															
Atrazine	ug/Kg	38															
Pentachlorophenol	ug/Kg	200															
Phenanthrene	ug/Kg	N/A															
Anthracene	ug/Kg	840000															
Carbazole	ug/Kg	N/A															
Di-n-butylphthalate	ug/Kg	34000															
Fluoranthene	ug/Kg	230000															
Pyrene	ug/Kg	170000															
Butylbenzylphthalate	ug/Kg	4000															
3,3'-Dichlorobenzidine	ug/Kg	14.2															

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-10-A			IDCSB-10-B			IDCSB-10-C			IDCSB-11-A			IDCSB-11-B		
		Location	IDC-SB10			IDC-SB10			IDC-SB10			IDC-SB11			IDC-SB11		
		Sample Date	6/8/2010			6/8/2010			6/8/2010			6/8/2010			6/8/2010		
		Depth	0 to 4 ft			4 to 8 ft			8 to 12 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzo(a)anthracene	ug/Kg	150															
Chrysene	ug/Kg	15000															
bis(2-Ethylhexyl) phthalate	ug/Kg	28000															
Di-n-octylphthalate	ug/Kg	N/A															
Benzo(b)fluoranthene	ug/Kg	150															
Benzo(k)fluoranthene	ug/Kg	1500															
Benzo(a)pyrene	ug/Kg	15															
Indeno(1,2,3-cd)pyrene	ug/Kg	150															
Dibenz(a,h)anthracene	ug/Kg	15															
Benzo(g,h,i)perylene	ug/Kg	N/A															
Chlorophenols	ug/Kg	22000															
PCBs																	
Aroclor-1016	ug/Kg	390															
Aroclor-1221	ug/Kg	1.48															
Aroclor-1232	ug/Kg	1.48															
Aroclor-1242	ug/Kg	106															
Aroclor-1248	ug/Kg	104															
Aroclor-1254	ug/Kg	110															
Aroclor-1260	ug/Kg	220															
Aroclor-1262	ug/Kg	220															
Aroclor-1268	ug/Kg	220															
Pesticides																	
alpha-BHC	ug/Kg	0.72															
beta-BHC	ug/Kg	2.6															
delta-BHC	ug/Kg	N/A															
gamma-BHC (Lindane)	ug/Kg	24															

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-10-A			IDCSB-10-B			IDCSB-10-C			IDCSB-11-A			IDCSB-11-B		
		Location	IDC-SB10			IDC-SB10			IDC-SB10			IDC-SB11			IDC-SB11		
		Sample Date	6/8/2010			6/8/2010			6/8/2010			6/8/2010			6/8/2010		
		Depth	0 to 4 ft			4 to 8 ft			8 to 12 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Heptachlor	ug/Kg	110															
Aldrin	ug/Kg	0.68															
Heptachlor epoxide	ug/Kg	53															
Endosulfan I	ug/Kg	22000															
Dieldrin	ug/Kg	1.22															
4,4'-DDE	ug/Kg	920															
Endrin	ug/Kg	1620															
Endosulfan II	ug/Kg	22000															
4,4'-DDD	ug/Kg	1320															
Endosulfan sulfate	ug/Kg	22000															
4,4'-DDT	ug/Kg	1340															
Methoxychlor	ug/Kg	31000															
Endrin ketone	ug/Kg	1620															
Endrin aldehyde	ug/Kg	1620															
alpha-Chlordane	ug/Kg	1600															
gamma-Chlordane	ug/Kg	1600															
Toxaphene	ug/Kg	440															
Inorganic Analytes																	
Aluminum	mg/kg	7700															
Antimony	mg/kg	3.1															
Arsenic	mg/kg	0.39															
Barium	mg/kg	1500															
Beryllium	mg/kg	16															
Cadmium	mg/kg	7															
Calcium	mg/kg	N/A															
Chromium	mg/kg	0.29															
Cobalt	mg/kg	2.3															

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-10-A			IDCSB-10-B			IDCSB-10-C			IDCSB-11-A			IDCSB-11-B		
		Location	IDC-SB10			IDC-SB10			IDC-SB10			IDC-SB11			IDC-SB11		
		Sample Date	6/8/2010			6/8/2010			6/8/2010			6/8/2010			6/8/2010		
		Depth	0 to 4 ft			4 to 8 ft			8 to 12 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Copper	mg/kg	310															
Cyanide	mg/kg	4.7															
Iron	mg/kg	5400															
Lead	mg/kg	280															
Magnesium	mg/kg	N/A															
Manganese	mg/kg	21															
Mercury	mg/kg	2															
Nickel	mg/kg	150															
Potassium	mg/kg	N/A															
Selenium	mg/kg	5.2															
Silver	mg/kg	12															
Sodium	mg/kg	N/A															
Thallium	mg/kg	0.08															
Vanadium	mg/kg	39															
Zinc	mg/kg	2300															
Additional Parameters																	
% GRANULE & LARGER >2 MM	%	N/A															
% VERY COURSE SAND >1 - 2 MM	%	N/A															
% COARSE SAND >.5 - 1 MM	%	N/A															
% MEDIUM SAND >.25 - .5 MM	%	N/A															
% FINE SAND >.125 - .25 MM	%	N/A															
% VERY FINE SAND >.0625 - .125 MM	%	N/A															
% SILT	%	N/A															
% CLAY & COLLOIDS	%	N/A															
pH	s.u.	N/A							8.19		~						
Total Organic Carbon	mg/Kg	N/A							17300		~						

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-10-A			IDCSB-10-B			IDCSB-10-C			IDCSB-11-A			IDCSB-11-B		
		Location	IDC-SB10			IDC-SB10			IDC-SB10			IDC-SB11			IDC-SB11		
		Sample Date	6/8/2010			6/8/2010			6/8/2010			6/8/2010			6/8/2010		
		Depth	0 to 4 ft			4 to 8 ft			8 to 12 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Compariso
Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-11-C			IDCSB-12-A			IDCSB-12-B			IDCSB-13-A			IDCSB-13-B		
		Location	IDC-SB11			IDC-SB12			IDC-SB12			IDC-SB13			IDC-SB13		
		Sample Date	6/8/2010			6/8/2010			6/8/2010			6/8/2010			6/8/2010		
		Depth	8 to 12 ft			0 to 4 ft			4 to 8 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																	
Dichlorodifluoromethane	ug/Kg	6000	890	U		6.7	U		6.8	U		3000	U		2600	U	
Chloromethane	ug/Kg	980	890	U		6.7	U		6.8	U		3000	U		2600	U	
Vinyl Chloride	ug/Kg	13.8	890	U		6.7	U		6.8	U		3000	U		2600	U	
Bromomethane	ug/Kg	36	890	U		6.7	U		6.8	U		3000	U		2600	U	
Chloroethane	ug/Kg	118000	890	U		6.7	U		6.8	U		3000	U		2600	U	
Trichlorofluoromethane	ug/Kg	13800	890	U		6.7	U		6.8	U		3000	U		2600	U	
1,1-Dichloroethene	ug/Kg	50	890	U		6.7	U		6.8	U		3000	U		2600	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	890	U		6.7	U		6.8	U		3000	U		2600	U	
Acetone	ug/Kg	48000	1800	U		13	U		120		#	5900	U		5300	U	
Carbon Disulfide	ug/Kg	4200	890	U		6.7	U		12		#	3000	U		2600	U	
Methyl Acetate	ug/Kg	64000	890	U		6.7	U		6.8	U		3000	U		2600	U	
Methylene Chloride	ug/Kg	26	890	U		6.7	U		6.8	U		3000	U		2600	U	
trans-1,2-Dichloroethene	ug/Kg	580	890	U		6.7	U		1.7	J	#	3000	U		2600	U	
Methyl tert-Butyl Ether	ug/Kg	56	890	U		6.7	U		6.8	U		3000	U		2600	U	
1,1-Dichloroethane	ug/Kg	13.6	890	U		6.7	U		6.8	U		3000	U		2600	U	
cis-1,2-Dichloroethene	ug/Kg	420	**11000**		A	6.7	U		65		#	**3700**		A	**23000**		A
2-Butanone	ug/Kg	20000	1800	U		13	U		19		#	5900	U		5300	U	
Chlorobromomethane	ug/Kg	420	890	U		6.7	U		6.8	U		3000	U		2600	U	
Chloroform	ug/Kg	290	890	U		6.7	U		6.8	U		3000	U		2600	U	
1,1,1-Trichloroethane	ug/Kg	1400	890	U		6.7	U		6.8	U		3000	U		2600	U	
Cyclohexane	ug/Kg	117000	890	U		6.7	U		6.8	U		3000	U		2600	U	
Carbon Tetrachloride	ug/Kg	38	890	U		6.7	U		6.8	U		3000	U		2600	U	
Benzene	ug/Kg	52	890	U		6.7	U		6.8	U		3000	U		2600	U	
1,2-Dichloroethane	ug/Kg	28	890	U		6.7	U		6.8	U		3000	U		2600	U	
1,4-Dioxane	ug/Kg	2.8	18000	R		130	R		140	R		59000	R		53000	R	
Trichloroethene	ug/Kg	36	**1800**		A	0.98	J	#	0.89	J	#	**2100**	J	A	**9000**		A

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-11-C			IDCSB-12-A			IDCSB-12-B			IDCSB-13-A			IDCSB-13-B		
		Location	IDC-SB11			IDC-SB12			IDC-SB12			IDC-SB13			IDC-SB13		
		Sample Date	6/8/2010			6/8/2010			6/8/2010			6/8/2010			6/8/2010		
		Depth	8 to 12 ft			0 to 4 ft			4 to 8 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	890	U		6.7	U		6.8	U		3000	U		2600	U	
1,2-Dichloropropane	ug/Kg	34	890	U		6.7	U		6.8	U		3000	U		2600	U	
Bromodichloromethane	ug/Kg	270	890	U		6.7	U		6.8	U		3000	U		2600	U	
cis-1,3-Dichloropropene	ug/Kg	3	360	U		2.7	U		2.7	U		1200	U		1100	U	
4-Methyl-2-pentanone	ug/Kg	4600	1800	U		13	U		14	U		5900	U		5300	U	
Toluene	ug/Kg	13800	890	U		6.7	U		6.8	U		3000	U		2600	U	
trans-1,3-Dichloropropene	ug/Kg	3	360	U		2.7	U		2.7	U		1200	U		1100	U	
1,1,2-Trichloroethane	ug/Kg	32	890	U		6.7	U		6.8	U		3000	U		2600	U	
Tetrachloroethene	ug/Kg	46	**1700**		A	10		#	2.6	J	#	**64000**		A	**45000**		A
2-Hexanone	ug/Kg	158	1800	U		13	U		14	U		5900	U		5300	U	
Dibromochloromethane	ug/Kg	420	890	U		6.7	U		6.8	U		3000	U		2600	U	
1,2-Dibromoethane	ug/Kg	0.28	890	U		6.7	U		6.8	U		3000	U		2600	U	
Chlorobenzene	ug/Kg	1360	890	U		6.7	U		6.8	U		3000	U		2600	U	
Ethylbenzene	ug/Kg	5400	890	U		6.7	U		6.8	U		3000	U		2600	U	
o-Xylene	ug/Kg	3800	890	U		6.7	U		6.8	U		3000	U		2600	U	
m,p-Xylene	ug/Kg	3600	890	U		6.7	U		6.8	U		3000	U		2600	U	
Styrene	ug/Kg	2200	890	U		6.7	U		6.8	U		3000	U		2600	U	
Bromoform	ug/Kg	420	890	U		6.7	U		6.8	U		3000	U		2600	U	
Isopropylbenzene	ug/Kg	12800	890	U		6.7	U		6.8	U		3000	U		2600	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	360	U		2.7	U		2.7	U		1200	U		1100	U	
1,3-Dichlorobenzene	ug/Kg	N/A	890	U		6.7	U		6.8	U		3000	U		2600	U	
1,4-Dichlorobenzene	ug/Kg	1440	890	U		6.7	U		6.8	U		3000	U		2600	U	
1,2-Dichlorobenzene	ug/Kg	11600	890	U		6.7	U		6.8	U		3000	U		2600	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	890	U		6.7	U		6.8	U		3000	U		2600	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	890	U		6.7	U		6.8	U		3000	U		2600	U	
1,2,3-Trichlorobenzene	ug/Kg	300	890	U		6.7	U		6.8	U		3000	U		2600	U	
Semi-Volatile Organic Compounds																	

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-11-C			IDCSB-12-A			IDCSB-12-B			IDCSB-13-A			IDCSB-13-B		
		Location	IDC-SB11			IDC-SB12			IDC-SB12			IDC-SB13			IDC-SB13		
		Sample Date	6/8/2010			6/8/2010			6/8/2010			6/8/2010			6/8/2010		
		Depth	8 to 12 ft			0 to 4 ft			4 to 8 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/Kg	6600															
Phenol	ug/Kg	52000															
bis(2-Chloroethyl) ether	ug/Kg	0.06															
2-Chlorophenol	ug/Kg	1140															
2-Methylphenol	ug/Kg	11600															
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2															
Acetophenone	ug/Kg	9000															
4-Methylphenol	ug/Kg	22000															
n-Nitroso-di-n-propylamine	ug/Kg	0.14															
Hexachloroethane	ug/Kg	9.6															
Nitrobenzene	ug/Kg	1.58															
Isophorone	ug/Kg	440															
2-Nitrophenol	ug/Kg	N/A															
2,4-Dimethylphenol	ug/Kg	6400															
bis(2-Chloroethoxy)methane	ug/Kg	220															
2,4-Dichlorophenol	ug/Kg	820															
Naphthalene	ug/Kg	9.4															
4-Chloroaniline	ug/Kg	2.6															
Hexachlorobutadiene	ug/Kg	10															
Caprolactam	ug/Kg	38000															
4-Chloro-3-methylphenol	ug/Kg	26000															
2-Methylnaphthalene	ug/Kg	2800															
Hexachlorocyclopentadiene	ug/Kg	3200															
2,4,6-Trichlorophenol	ug/Kg	260															
2,4,5-Trichlorophenol	ug/Kg	66000															
1,1'-Biphenyl	ug/Kg	174															
2-Chloronaphthalene	ug/Kg	58000															
2-Nitroaniline	ug/Kg	1240															

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-11-C			IDCSB-12-A			IDCSB-12-B			IDCSB-13-A			IDCSB-13-B		
		Location	IDC-SB11			IDC-SB12			IDC-SB12			IDC-SB13			IDC-SB13		
		Sample Date	6/8/2010			6/8/2010			6/8/2010			6/8/2010			6/8/2010		
		Depth	8 to 12 ft			0 to 4 ft			4 to 8 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Dimethylphthalate	ug/Kg	N/A															
2,6-Dinitrotoluene	ug/Kg	400															
Acenaphthylene	ug/Kg	N/A															
3-Nitroaniline	ug/Kg	N/A															
Acenaphthene	ug/Kg	82000															
2,4-Dinitrophenol	ug/Kg	680															
4-Nitrophenol	ug/Kg	N/A															
Dibenzofuran	ug/Kg	N/A															
2,4-Dinitrotoluene	ug/Kg	5.6															
Diethylphthalate	ug/Kg	94000															
Fluorene	ug/Kg	80000															
4-Chlorophenyl-phenylether	ug/Kg	N/A															
4-Nitroaniline	ug/Kg	28															
4,6-Dinitro-2-methylphenol	ug/Kg	40															
n-Nitrosodiphenylamine	ug/Kg	1140															
1,2,4,5-Tetrachlorobenzene	ug/Kg	116															
4-Bromophenyl-phenylether	ug/Kg	N/A															
Hexachlorobenzene	ug/Kg	260															
Atrazine	ug/Kg	38															
Pentachlorophenol	ug/Kg	200															
Phenanthrene	ug/Kg	N/A															
Anthracene	ug/Kg	840000															
Carbazole	ug/Kg	N/A															
Di-n-butylphthalate	ug/Kg	34000															
Fluoranthene	ug/Kg	230000															
Pyrene	ug/Kg	170000															
Butylbenzylphthalate	ug/Kg	4000															
3,3'-Dichlorobenzidine	ug/Kg	14.2															

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-11-C			IDCSB-12-A			IDCSB-12-B			IDCSB-13-A			IDCSB-13-B		
		Location	IDC-SB11			IDC-SB12			IDC-SB12			IDC-SB13			IDC-SB13		
		Sample Date	6/8/2010			6/8/2010			6/8/2010			6/8/2010			6/8/2010		
		Depth	8 to 12 ft			0 to 4 ft			4 to 8 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzo(a)anthracene	ug/Kg	150															
Chrysene	ug/Kg	15000															
bis(2-Ethylhexyl) phthalate	ug/Kg	28000															
Di-n-octylphthalate	ug/Kg	N/A															
Benzo(b)fluoranthene	ug/Kg	150															
Benzo(k)fluoranthene	ug/Kg	1500															
Benzo(a)pyrene	ug/Kg	15															
Indeno(1,2,3-cd)pyrene	ug/Kg	150															
Dibenz(a,h)anthracene	ug/Kg	15															
Benzo(g,h,i)perylene	ug/Kg	N/A															
Chlorophenols	ug/Kg	22000															
PCBs																	
Aroclor-1016	ug/Kg	390															
Aroclor-1221	ug/Kg	1.48															
Aroclor-1232	ug/Kg	1.48															
Aroclor-1242	ug/Kg	106															
Aroclor-1248	ug/Kg	104															
Aroclor-1254	ug/Kg	110															
Aroclor-1260	ug/Kg	220															
Aroclor-1262	ug/Kg	220															
Aroclor-1268	ug/Kg	220															
Pesticides																	
alpha-BHC	ug/Kg	0.72															
beta-BHC	ug/Kg	2.6															
delta-BHC	ug/Kg	N/A															
gamma-BHC (Lindane)	ug/Kg	24															

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-11-C			IDCSB-12-A			IDCSB-12-B			IDCSB-13-A			IDCSB-13-B		
		Location	IDC-SB11			IDC-SB12			IDC-SB12			IDC-SB13			IDC-SB13		
		Sample Date	6/8/2010			6/8/2010			6/8/2010			6/8/2010			6/8/2010		
		Depth	8 to 12 ft			0 to 4 ft			4 to 8 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Heptachlor	ug/Kg	110															
Aldrin	ug/Kg	0.68															
Heptachlor epoxide	ug/Kg	53															
Endosulfan I	ug/Kg	22000															
Dieldrin	ug/Kg	1.22															
4,4'-DDE	ug/Kg	920															
Endrin	ug/Kg	1620															
Endosulfan II	ug/Kg	22000															
4,4'-DDD	ug/Kg	1320															
Endosulfan sulfate	ug/Kg	22000															
4,4'-DDT	ug/Kg	1340															
Methoxychlor	ug/Kg	31000															
Endrin ketone	ug/Kg	1620															
Endrin aldehyde	ug/Kg	1620															
alpha-Chlordane	ug/Kg	1600															
gamma-Chlordane	ug/Kg	1600															
Toxaphene	ug/Kg	440															
Inorganic Analytes																	
Aluminum	mg/kg	7700															
Antimony	mg/kg	3.1															
Arsenic	mg/kg	0.39															
Barium	mg/kg	1500															
Beryllium	mg/kg	16															
Cadmium	mg/kg	7															
Calcium	mg/kg	N/A															
Chromium	mg/kg	0.29															
Cobalt	mg/kg	2.3															

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-11-C			IDCSB-12-A			IDCSB-12-B			IDCSB-13-A			IDCSB-13-B		
		Location	IDC-SB11			IDC-SB12			IDC-SB12			IDC-SB13			IDC-SB13		
		Sample Date	6/8/2010			6/8/2010			6/8/2010			6/8/2010			6/8/2010		
		Depth	8 to 12 ft			0 to 4 ft			4 to 8 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Copper	mg/kg	310															
Cyanide	mg/kg	4.7															
Iron	mg/kg	5400															
Lead	mg/kg	280															
Magnesium	mg/kg	N/A															
Manganese	mg/kg	21															
Mercury	mg/kg	2															
Nickel	mg/kg	150															
Potassium	mg/kg	N/A															
Selenium	mg/kg	5.2															
Silver	mg/kg	12															
Sodium	mg/kg	N/A															
Thallium	mg/kg	0.08															
Vanadium	mg/kg	39															
Zinc	mg/kg	2300															
Additional Parameters																	
% GRANULE & LARGER >2 MM	%	N/A															
% VERY COURSE SAND >1 - 2 MM	%	N/A															
% COARSE SAND >.5 - 1 MM	%	N/A															
% MEDIUM SAND >.25 - .5 MM	%	N/A															
% FINE SAND >.125 - .25 MM	%	N/A															
% VERY FINE SAND >.0625 - .125 MM	%	N/A															
% SILT	%	N/A															
% CLAY & COLLOIDS	%	N/A															
pH	s.u.	N/A	7.79		~												
Total Organic Carbon	mg/Kg	N/A	3990		~												

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-11-C			IDCSB-12-A			IDCSB-12-B			IDCSB-13-A			IDCSB-13-B		
		Location	IDC-SB11			IDC-SB12			IDC-SB12			IDC-SB13			IDC-SB13		
		Sample Date	6/8/2010			6/8/2010			6/8/2010			6/8/2010			6/8/2010		
		Depth	8 to 12 ft			0 to 4 ft			4 to 8 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Compariso

Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-13-C			IDCSB-14-A			IDCSB-14-B		
		Location	IDC-SB13			IDC-SB14			IDC-SB14		
		Sample Date	6/8/2010			6/8/2010			6/8/2010		
		Depth	8 to 12 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds											
Dichlorodifluoromethane	ug/Kg	6000	7300	U		7	U		59000	U	
Chloromethane	ug/Kg	980	7300	U		7	U		59000	U	
Vinyl Chloride	ug/Kg	13.8	7300	U		7	U		59000	U	
Bromomethane	ug/Kg	36	7300	U		7	U		59000	U	
Chloroethane	ug/Kg	118000	7300	U		7	U		59000	U	
Trichlorofluoromethane	ug/Kg	13800	7300	U		7	U		59000	U	
1,1-Dichloroethene	ug/Kg	50	7300	U		7	U		59000	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	7300	U		7	U		59000	U	
Acetone	ug/Kg	48000	15000	U		14	U		120000	U	
Carbon Disulfide	ug/Kg	4200	7300	U		2.1	J	#	59000	U	
Methyl Acetate	ug/Kg	64000	7300	U		7	U		59000	U	
Methylene Chloride	ug/Kg	26	7300	U		7	U		59000	U	
trans-1,2-Dichloroethene	ug/Kg	580	7300	U		160		#	59000	U	
Methyl tert-Butyl Ether	ug/Kg	56	7300	U		7	U		59000	U	
1,1-Dichloroethane	ug/Kg	13.6	7300	U		7	U		59000	U	
cis-1,2-Dichloroethene	ug/Kg	420	**14000**		A	**4200**		A	**29000**	J	A
2-Butanone	ug/Kg	20000	15000	U		14	U		120000	U	
Chlorobromomethane	ug/Kg	420	7300	U		7	U		59000	U	
Chloroform	ug/Kg	290	7300	U		7	U		59000	U	
1,1,1-Trichloroethane	ug/Kg	1400	7300	U		7	U		59000	U	
Cyclohexane	ug/Kg	117000	7300	U		21		#	59000	U	
Carbon Tetrachloride	ug/Kg	38	7300	U		7	U		59000	U	
Benzene	ug/Kg	52	7300	U		7	U		59000	U	
1,2-Dichloroethane	ug/Kg	28	7300	U		7	U		59000	U	
1,4-Dioxane	ug/Kg	2.8	150000	R		140	R		1200000	R	
Trichloroethene	ug/Kg	36	**7300**	J	A	**920**		A	**28000**	J	A

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-13-C			IDCSB-14-A			IDCSB-14-B		
		Location	IDC-SB13			IDC-SB14			IDC-SB14		
		Sample Date	6/8/2010			6/8/2010			6/8/2010		
		Depth	8 to 12 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	7300	U		170		~	59000	U	
1,2-Dichloropropane	ug/Kg	34	7300	U		7	U		59000	U	
Bromodichloromethane	ug/Kg	270	7300	U		7	U		59000	U	
cis-1,3-Dichloropropene	ug/Kg	3	2900	U		2.8	U		23000	U	
4-Methyl-2-pentanone	ug/Kg	4600	15000	U		14	U		120000	U	
Toluene	ug/Kg	13800	7300	U		7	U		59000	U	
trans-1,3-Dichloropropene	ug/Kg	3	2900	U		2.8	U		23000	U	
1,1,2-Trichloroethane	ug/Kg	32	7300	U		7	U		59000	U	
Tetrachloroethene	ug/Kg	46	**120000**		A	**180**	J	A	**1700000**		A
2-Hexanone	ug/Kg	158	15000	U		14	U		120000	U	
Dibromochloromethane	ug/Kg	420	7300	U		7	U		59000	U	
1,2-Dibromoethane	ug/Kg	0.28	7300	U		7	U		59000	U	
Chlorobenzene	ug/Kg	1360	7300	U		7	U		59000	U	
Ethylbenzene	ug/Kg	5400	7300	U		7	U		59000	U	
o-Xylene	ug/Kg	3800	7300	U		14		#	59000	U	
m,p-Xylene	ug/Kg	3600	7300	U		7	U		59000	U	
Styrene	ug/Kg	2200	7300	U		7	U		59000	U	
Bromoform	ug/Kg	420	7300	U		7	U		59000	U	
Isopropylbenzene	ug/Kg	12800	7300	U		16		#	59000	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	2900	U		2.8	U		23000	U	
1,3-Dichlorobenzene	ug/Kg	N/A	7300	U		7	U		59000	U	
1,4-Dichlorobenzene	ug/Kg	1440	7300	U		7	U		59000	U	
1,2-Dichlorobenzene	ug/Kg	11600	7300	U		7	U		59000	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	7300	U		7	U		59000	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	7300	U		7	U		59000	U	
1,2,3-Trichlorobenzene	ug/Kg	300	7300	U		7	U		59000	U	
Semi-Volatile Organic Compounds											

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-13-C			IDCSB-14-A			IDCSB-14-B		
		Location	IDC-SB13			IDC-SB14			IDC-SB14		
		Sample Date	6/8/2010			6/8/2010			6/8/2010		
		Depth	8 to 12 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/Kg	6600									
Phenol	ug/Kg	52000									
bis(2-Chloroethyl) ether	ug/Kg	0.06									
2-Chlorophenol	ug/Kg	1140									
2-Methylphenol	ug/Kg	11600									
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2									
Acetophenone	ug/Kg	9000									
4-Methylphenol	ug/Kg	22000									
n-Nitroso-di-n-propylamine	ug/Kg	0.14									
Hexachloroethane	ug/Kg	9.6									
Nitrobenzene	ug/Kg	1.58									
Isophorone	ug/Kg	440									
2-Nitrophenol	ug/Kg	N/A									
2,4-Dimethylphenol	ug/Kg	6400									
bis(2-Chloroethoxy)methane	ug/Kg	220									
2,4-Dichlorophenol	ug/Kg	820									
Naphthalene	ug/Kg	9.4									
4-Chloroaniline	ug/Kg	2.6									
Hexachlorobutadiene	ug/Kg	10									
Caprolactam	ug/Kg	38000									
4-Chloro-3-methylphenol	ug/Kg	26000									
2-Methylnaphthalene	ug/Kg	2800									
Hexachlorocyclopentadiene	ug/Kg	3200									
2,4,6-Trichlorophenol	ug/Kg	260									
2,4,5-Trichlorophenol	ug/Kg	66000									
1,1'-Biphenyl	ug/Kg	174									
2-Chloronaphthalene	ug/Kg	58000									
2-Nitroaniline	ug/Kg	1240									

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-13-C			IDCSB-14-A			IDCSB-14-B		
		Location	IDC-SB13			IDC-SB14			IDC-SB14		
		Sample Date	6/8/2010			6/8/2010			6/8/2010		
		Depth	8 to 12 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Dimethylphthalate	ug/Kg	N/A									
2,6-Dinitrotoluene	ug/Kg	400									
Acenaphthylene	ug/Kg	N/A									
3-Nitroaniline	ug/Kg	N/A									
Acenaphthene	ug/Kg	82000									
2,4-Dinitrophenol	ug/Kg	680									
4-Nitrophenol	ug/Kg	N/A									
Dibenzofuran	ug/Kg	N/A									
2,4-Dinitrotoluene	ug/Kg	5.6									
Diethylphthalate	ug/Kg	94000									
Fluorene	ug/Kg	80000									
4-Chlorophenyl-phenylether	ug/Kg	N/A									
4-Nitroaniline	ug/Kg	28									
4,6-Dinitro-2-methylphenol	ug/Kg	40									
n-Nitrosodiphenylamine	ug/Kg	1140									
1,2,4,5-Tetrachlorobenzene	ug/Kg	116									
4-Bromophenyl-phenylether	ug/Kg	N/A									
Hexachlorobenzene	ug/Kg	260									
Atrazine	ug/Kg	38									
Pentachlorophenol	ug/Kg	200									
Phenanthrene	ug/Kg	N/A									
Anthracene	ug/Kg	840000									
Carbazole	ug/Kg	N/A									
Di-n-butylphthalate	ug/Kg	34000									
Fluoranthene	ug/Kg	230000									
Pyrene	ug/Kg	170000									
Butylbenzylphthalate	ug/Kg	4000									
3,3'-Dichlorobenzidine	ug/Kg	14.2									

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-13-C			IDCSB-14-A			IDCSB-14-B		
		Location	IDC-SB13			IDC-SB14			IDC-SB14		
		Sample Date	6/8/2010			6/8/2010			6/8/2010		
		Depth	8 to 12 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Benzo(a)anthracene	ug/Kg	150									
Chrysene	ug/Kg	15000									
bis(2-Ethylhexyl) phthalate	ug/Kg	28000									
Di-n-octylphthalate	ug/Kg	N/A									
Benzo(b)fluoranthene	ug/Kg	150									
Benzo(k)fluoranthene	ug/Kg	1500									
Benzo(a)pyrene	ug/Kg	15									
Indeno(1,2,3-cd)pyrene	ug/Kg	150									
Dibenz(a,h)anthracene	ug/Kg	15									
Benzo(g,h,i)perylene	ug/Kg	N/A									
Chlorophenols	ug/Kg	22000									
PCBs											
Aroclor-1016	ug/Kg	390									
Aroclor-1221	ug/Kg	1.48									
Aroclor-1232	ug/Kg	1.48									
Aroclor-1242	ug/Kg	106									
Aroclor-1248	ug/Kg	104									
Aroclor-1254	ug/Kg	110									
Aroclor-1260	ug/Kg	220									
Aroclor-1262	ug/Kg	220									
Aroclor-1268	ug/Kg	220									
Pesticides											
alpha-BHC	ug/Kg	0.72									
beta-BHC	ug/Kg	2.6									
delta-BHC	ug/Kg	N/A									
gamma-BHC (Lindane)	ug/Kg	24									

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-13-C			IDCSB-14-A			IDCSB-14-B		
		Location	IDC-SB13			IDC-SB14			IDC-SB14		
		Sample Date	6/8/2010			6/8/2010			6/8/2010		
		Depth	8 to 12 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Heptachlor	ug/Kg	110									
Aldrin	ug/Kg	0.68									
Heptachlor epoxide	ug/Kg	53									
Endosulfan I	ug/Kg	22000									
Dieldrin	ug/Kg	1.22									
4,4'-DDE	ug/Kg	920									
Endrin	ug/Kg	1620									
Endosulfan II	ug/Kg	22000									
4,4'-DDD	ug/Kg	1320									
Endosulfan sulfate	ug/Kg	22000									
4,4'-DDT	ug/Kg	1340									
Methoxychlor	ug/Kg	31000									
Endrin ketone	ug/Kg	1620									
Endrin aldehyde	ug/Kg	1620									
alpha-Chlordane	ug/Kg	1600									
gamma-Chlordane	ug/Kg	1600									
Toxaphene	ug/Kg	440									
Inorganic Analytes											
Aluminum	mg/kg	7700									
Antimony	mg/kg	3.1									
Arsenic	mg/kg	0.39									
Barium	mg/kg	1500									
Beryllium	mg/kg	16									
Cadmium	mg/kg	7									
Calcium	mg/kg	N/A									
Chromium	mg/kg	0.29									
Cobalt	mg/kg	2.3									

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-13-C			IDCSB-14-A			IDCSB-14-B		
		Location	IDC-SB13			IDC-SB14			IDC-SB14		
		Sample Date	6/8/2010			6/8/2010			6/8/2010		
		Depth	8 to 12 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Copper	mg/kg	310									
Cyanide	mg/kg	4.7									
Iron	mg/kg	5400									
Lead	mg/kg	280									
Magnesium	mg/kg	N/A									
Manganese	mg/kg	21									
Mercury	mg/kg	2									
Nickel	mg/kg	150									
Potassium	mg/kg	N/A									
Selenium	mg/kg	5.2									
Silver	mg/kg	12									
Sodium	mg/kg	N/A									
Thallium	mg/kg	0.08									
Vanadium	mg/kg	39									
Zinc	mg/kg	2300									
Additional Parameters											
% GRANULE & LARGER >2 MM	%	N/A									
% VERY COURSE SAND >1 - 2 MM	%	N/A									
% COARSE SAND >.5 - 1 MM	%	N/A									
% MEDIUM SAND >.25 - .5 MM	%	N/A									
% FINE SAND >.125 - .25 MM	%	N/A									
% VERY FINE SAND >.0625 - .125 MM	%	N/A									
% SILT	%	N/A									
% CLAY & COLLOIDS	%	N/A									
pH	s.u.	N/A	7.83		~				7.95		~
Total Organic Carbon	mg/Kg	N/A	3360		~				13400		~

Internation Dry Cleaners - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IDCSB-13-C			IDCSB-14-A			IDCSB-14-B		
		Location	IDC-SB13			IDC-SB14			IDC-SB14		
		Sample Date	6/8/2010			6/8/2010			6/8/2010		
		Depth	8 to 12 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Compariso

Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

Shellfoam Properties - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SHSB-01-A		SHSB-01-B		SHSB-01-C		SHSB-02-A		SHSB-02-B		SHSB-02-C	
		Location	SHSB-01		SHSB-01		SHSB-01		SHSB-02		SHSB-02		SHSB-02	
		Sample Date	12/6/2007		12/6/2007		12/6/2007		12/6/2007		12/6/2007		12/6/2007	
		Depth	0 to 1 ft		5 to 7 ft		14 to 16 ft		0 to 1 ft		5 to 7 ft		22 to 24 ft	
Chemical Name	Unit	SC												
Volatile Organic Compounds														
Dichlorodifluoromethane	ug/Kg	6000	6.3	U	4.8	U	4.7	U	6.4	U	5.9	U	6.1	U
Chloromethane	ug/Kg	980	6.3	U	4.8	U	4.7	U	6.4	U	5.9	U	6.1	U
Vinyl Chloride	ug/Kg	13.8	6.3	U	4.8	U	4.7	U	6.4	U	5.9	U	6.1	U
Bromomethane	ug/Kg	36	6.3	U	4.8	U	4.7	U	6.4	U	5.9	U	6.1	U
Chloroethane	ug/Kg	118000	6.3	U	4.8	U	4.7	U	6.4	U	5.9	U	6.1	U
Trichlorofluoromethane	ug/Kg	13800	6.3	UJ	4.8	UJ	4.7	UJ	6.4	U	5.9	U	6.1	U
1,1-Dichloroethene	ug/Kg	50	6.3	UJ	4.8	UJ	4.7	UJ	6.4	U	5.9	U	6.1	U
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.3	UJ	4.8	UJ	4.7	UJ	6.4	U	5.9	U	6.1	U
Acetone	ug/Kg	48000	13	U	9.6	U	9.3	U	13	U	12	U	12	U
Carbon Disulfide	ug/Kg	4200	6.3	U	4.8	U	4.7	U	6.4	U	5.9	U	6.1	U
Methyl Acetate	ug/Kg	64000	6.3	UJ	4.8	UJ	4.7	UJ	6.4	U	5.9	U	6.1	U
Methylene Chloride	ug/Kg	26	6.3	UJ	4.8	UJ	4.7	UJ	6.4	U	5.9	U	6.1	U
trans-1,2-Dichloroethene	ug/Kg	580	6.3	U	4.8	U	4.7	U	6.4	U	5.9	U	6.1	U
Methyl tert-Butyl Ether	ug/Kg	56	6.3	UJ	4.8	UJ	4.7	UJ	6.4	U	5.9	U	6.1	U
1,1-Dichloroethane	ug/Kg	13.6	6.3	U	4.8	U	4.7	U	6.4	U	5.9	U	6.1	U
cis-1,2-Dichloroethene	ug/Kg	420	6.3	U	4.8	U	4.7	U	6.4	U	5.9	U	6.1	U
2-Butanone	ug/Kg	20000	13	U	9.6	U	9.3	U	13	U	12	U	12	U
Chlorobromomethane	ug/Kg	420	6.3	U	4.8	U	4.7	U	6.4	U	5.9	U	6.1	U
Chloroform	ug/Kg	290	6.3	U	4.8	U	4.7	U	6.4	U	5.9	U	6.1	U
1,1,1-Trichloroethane	ug/Kg	1400	6.3	UJ	4.8	UJ	4.7	UJ	6.4	U	5.9	U	6.1	U
Cyclohexane	ug/Kg	117000	6.3	U	4.8	U	4.7	U	6.4	U	5.9	U	6.1	U
Carbon Tetrachloride	ug/Kg	38	6.3	UJ	4.8	UJ	4.7	UJ	6.4	U	5.9	U	6.1	U
Benzene	ug/Kg	52	6.3	U	4.8	U	4.7	U	6.4	U	5.9	U	6.1	U
1,2-Dichloroethane	ug/Kg	28	6.3	UJ	4.8	UJ	4.7	UJ	6.4	U	5.9	U	6.1	U
1,4-Dioxane	ug/Kg	2.8	130	R	96	R	93	R	130	R	120	R	120	R
Trichloroethene	ug/Kg	36	6.3	U	4.8	U	4.7	U	6.4	U	5.9	U	6.1	U

Shellfoam Properties - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SHSB-01-A			SHSB-01-B			SHSB-01-C			SHSB-02-A			SHSB-02-B			SHSB-02-C		
		Location	SHSB-01			SHSB-01			SHSB-01			SHSB-02			SHSB-02			SHSB-02		
		Sample Date	12/6/2007			12/6/2007			12/6/2007			12/6/2007			12/6/2007			12/6/2007		
		Depth	0 to 1 ft			5 to 7 ft			14 to 16 ft			0 to 1 ft			5 to 7 ft			22 to 24 ft		
Chemical Name	Unit	SC																		
Metylcyclohexane	ug/Kg	N/A	6.3	U		4.8	U		4.7	U		6.4	U		5.9	U		6.1	U	
1,2-Dichloropropane	ug/Kg	34	6.3	U		4.8	U		4.7	U		6.4	U		5.9	U		6.1	U	
Bromodichloromethane	ug/Kg	270	6.3	U		4.8	U		4.7	U		6.4	U		5.9	U		6.1	U	
cis-1,3-Dichloropropene	ug/Kg	3	6.3	UJ		4.8	U		4.7	U		6.4	U		5.9	U		6.1	U	
4-Methyl-2-pentanone	ug/Kg	4600	13	U		9.6	U		9.3	U		13	U		12	U		12	U	
Toluene	ug/Kg	13800	6.3	U		4.8	U		4.7	U		6.4	U		5.9	U		6.1	U	
trans-1,3-Dichloropropene	ug/Kg	3	6.3	UJ		4.8	U		4.7	U		6.4	U		5.9	U		6.1	U	
1,1,2-Trichloroethane	ug/Kg	32	6.3	UJ		4.8	U		4.7	U		6.4	U		5.9	U		6.1	U	
Tetrachloroethene	ug/Kg	46	6.3	U		4.8	U		4.7	U		6.4	U		5.9	U		6.1	U	
2-Hexanone	ug/Kg	158	13	U		9.6	U		9.3	U		13	U		12	U		12	U	
Dibromochloromethane	ug/Kg	420	6.3	U		4.8	U		4.7	U		6.4	U		5.9	U		6.1	U	
1,2-Dibromoethane	ug/Kg	0.28	6.3	UJ		4.8	UJ		4.7	UJ		6.4	U		5.9	U		6.1	U	
Chlorobenzene	ug/Kg	1360	6.3	UJ		4.8	U		4.7	U		6.4	U		5.9	U		6.1	U	
Ethylbenzene	ug/Kg	5400	6.3	U		4.8	U		4.7	U		6.4	U		5.9	U		6.1	U	
o-Xylene	ug/Kg	3800	6.3	U		4.8	U		4.7	U		6.4	U		5.9	U		6.1	U	
m,p-Xylene	ug/Kg	3600	6.3	U		4.8	U		4.7	U		6.4	U		5.9	U		6.1	U	
Styrene	ug/Kg	2200	6.3	U		4.8	U		4.7	U		6.4	U		5.9	U		6.1	U	
Bromoform	ug/Kg	420	6.3	U		4.8	U		4.7	U		6.4	U		5.9	U		6.1	U	
Isopropylbenzene	ug/Kg	12800	6.3	U		4.8	U		4.7	U		6.4	U		5.9	U		6.1	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	6.3	U		4.8	U		4.7	U		6.4	U		5.9	U		6.1	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.3	UJ		4.8	U		4.7	U		6.4	U		5.9	U		6.1	U	
1,4-Dichlorobenzene	ug/Kg	1440	6.3	UJ		0.84	J	#	4.7	U		2.2	J	#	1.8	J	#	0.66	J	#
1,2-Dichlorobenzene	ug/Kg	11600	6.3	UJ		4.8	U		4.7	U		6.4	U		5.9	U		6.1	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.3	U		4.8	U		4.7	U		6.4	U		5.9	U		6.1	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.3	UJ		4.8	U		4.7	U		6.4	U		5.9	U		6.1	U	
1,2,3-Trichlorobenzene	ug/Kg	300	6.3	UJ		4.8	U		4.7	U		6.4	U		5.9	U		6.1	U	
Semi-Volatile Organic Compounds																				

Shellfoam Properties - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
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		Sample Code	SHSB-01-A		SHSB-01-B		SHSB-01-C		SHSB-02-A		SHSB-02-B		SHSB-02-C	
		Location	SHSB-01		SHSB-01		SHSB-01		SHSB-02		SHSB-02		SHSB-02	
		Sample Date	12/6/2007		12/6/2007		12/6/2007		12/6/2007		12/6/2007		12/6/2007	
		Depth	0 to 1 ft		5 to 7 ft		14 to 16 ft		0 to 1 ft		5 to 7 ft		22 to 24 ft	
Chemical Name	Unit	SC												
Benzaldehyde	ug/Kg	6600	240	U	200	U	190	U	240	U	240	U	240	U
Phenol	ug/Kg	52000	240	U	200	U	190	U	240	U	240	U	240	U
bis(2-Chloroethyl) ether	ug/Kg	0.06	240	U	200	U	190	U	240	U	240	U	240	U
2-Chlorophenol	ug/Kg	1140	240	U	200	U	190	U	240	U	240	U	240	U
2-Methylphenol	ug/Kg	11600	240	U	200	U	190	U	240	U	240	U	240	U
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	240	U	200	U	190	U	240	U	240	U	240	U
Acetophenone	ug/Kg	9000	240	U	200	U	190	U	240	U	240	U	240	U
4-Methylphenol	ug/Kg	22000	240	U	200	U	190	U	240	U	240	U	240	U
n-Nitroso-di-n-propylamine	ug/Kg	0.14	240	U	200	U	190	U	240	U	240	U	240	U
Hexachloroethane	ug/Kg	9.6	240	U	200	U	190	U	240	U	240	U	240	U
Nitrobenzene	ug/Kg	1.58	240	U	200	U	190	U	240	U	240	U	240	U
Isophorone	ug/Kg	440	240	U	200	U	190	U	240	U	240	U	240	U
2-Nitrophenol	ug/Kg	N/A	240	U	200	U	190	U	240	U	240	U	240	U
2,4-Dimethylphenol	ug/Kg	6400	240	U	200	U	190	U	240	U	240	U	240	U
bis(2-Chloroethoxy)methane	ug/Kg	220	240	U	200	U	190	U	240	U	240	U	240	U
2,4-Dichlorophenol	ug/Kg	820	240	U	200	U	190	U	240	U	240	U	240	U
Naphthalene	ug/Kg	9.4	240	U	200	U	190	U	240	U	240	U	240	U
4-Chloroaniline	ug/Kg	2.6	240	UJ	200	U	190	U	240	U	240	U	240	U
Hexachlorobutadiene	ug/Kg	10	240	U	200	U	190	U	240	U	240	U	240	U
Caprolactam	ug/Kg	38000	240	U	200	U	190	U	240	U	240	U	240	U
4-Chloro-3-methylphenol	ug/Kg	26000	240	U	200	U	190	U	240	U	240	U	240	U
2-Methylnaphthalene	ug/Kg	2800	240	U	200	U	190	U	240	U	240	U	240	U
Hexachlorocyclopentadiene	ug/Kg	3200	240	UJ	200	U	190	U	240	U	240	U	240	U
2,4,6-Trichlorophenol	ug/Kg	260	240	U	200	U	190	U	240	U	240	U	240	U
2,4,5-Trichlorophenol	ug/Kg	66000	240	U	200	U	190	U	240	U	240	U	240	U
1,1'-Biphenyl	ug/Kg	174	240	U	200	U	190	U	240	U	240	U	240	U
2-Chloronaphthalene	ug/Kg	58000	240	U	200	U	190	U	240	U	240	U	240	U
2-Nitroaniline	ug/Kg	1240	470	U	380	U	380	U	470	U	460	U	460	U

Shellfoam Properties - Soil Sample Results Full Table
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		Sample Code	SHSB-01-A			SHSB-01-B			SHSB-01-C			SHSB-02-A			SHSB-02-B			SHSB-02-C		
		Location	SHSB-01			SHSB-01			SHSB-01			SHSB-02			SHSB-02			SHSB-02		
		Sample Date	12/6/2007			12/6/2007			12/6/2007			12/6/2007			12/6/2007			12/6/2007		
		Depth	0 to 1 ft			5 to 7 ft			14 to 16 ft			0 to 1 ft			5 to 7 ft			22 to 24 ft		
Chemical Name	Unit	SC																		
Dimethylphthalate	ug/Kg	N/A	240	U		200	U		190	U		240	U		240	U		240	U	
2,6-Dinitrotoluene	ug/Kg	400	240	U		200	U		190	U		240	U		240	U		240	U	
Acenaphthylene	ug/Kg	N/A	240	U		200	U		190	U		240	U		240	U		240	U	
3-Nitroaniline	ug/Kg	N/A	470	U		380	U		380	U		470	U		460	U		460	U	
Acenaphthene	ug/Kg	82000	240	U		200	U		190	U		240	U		240	U		240	U	
2,4-Dinitrophenol	ug/Kg	680	470	U		380	U		380	U		470	U		460	U		460	U	
4-Nitrophenol	ug/Kg	N/A	470	U		380	U		380	U		470	U		460	U		460	U	
Dibenzofuran	ug/Kg	N/A	240	U		200	U		190	U		240	U		240	U		240	U	
2,4-Dinitrotoluene	ug/Kg	5.6	240	U		200	U		190	U		240	U		240	U		240	U	
Diethylphthalate	ug/Kg	94000	240	U		200	U		190	U		240	U		240	U		240	U	
Fluorene	ug/Kg	80000	240	U		200	U		190	U		240	U		240	U		240	U	
4-Chlorophenyl-phenylether	ug/Kg	N/A	240	U		200	U		190	U		240	U		240	U		240	U	
4-Nitroaniline	ug/Kg	28	470	U		380	U		380	U		470	U		460	U		460	U	
4,6-Dinitro-2-methylphenol	ug/Kg	40	470	U		380	U		380	U		470	U		460	U		460	U	
n-Nitrosodiphenylamine	ug/Kg	1140	240	U		200	U		190	U		240	U		240	U		240	U	
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	240	U		200	U		190	U		240	U		240	U		240	U	
4-Bromophenyl-phenylether	ug/Kg	N/A	240	U		200	U		190	U		240	U		240	U		240	U	
Hexachlorobenzene	ug/Kg	260	240	U		200	U		190	U		240	U		240	U		240	U	
Atrazine	ug/Kg	38	240	U		200	U		190	U		240	U		240	U		240	U	
Pentachlorophenol	ug/Kg	200	470	U		380	U		380	U		470	U		460	U		460	U	
Phenanthrene	ug/Kg	N/A	140	J	~	200	U		190	U		240	U		240	U		240	U	
Anthracene	ug/Kg	840000	240	U		200	U		190	U		240	U		240	U		240	U	
Carbazole	ug/Kg	N/A	240	U		200	U		190	U		240	U		240	U		240	U	
Di-n-butylphthalate	ug/Kg	34000	240	U		200	U		190	U		240	U		240	U		240	U	
Fluoranthene	ug/Kg	230000	240	U		200	U		190	U		240	U		240	U		240	U	
Pyrene	ug/Kg	170000	99	J	#	200	U		190	U		240	U		240	U		240	U	
Butylbenzylphthalate	ug/Kg	4000	240	U		200	U		190	U		240	U		240	U		240	U	
3,3'-Dichlorobenzidine	ug/Kg	14.2	240	UJ		200	U		190	U		240	U		240	U		240	U	

Shellfoam Properties - Soil Sample Results Full Table
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		Sample Code	SHSB-01-A		SHSB-01-B		SHSB-01-C		SHSB-02-A		SHSB-02-B		SHSB-02-C	
		Location	SHSB-01		SHSB-01		SHSB-01		SHSB-02		SHSB-02		SHSB-02	
		Sample Date	12/6/2007		12/6/2007		12/6/2007		12/6/2007		12/6/2007		12/6/2007	
		Depth	0 to 1 ft		5 to 7 ft		14 to 16 ft		0 to 1 ft		5 to 7 ft		22 to 24 ft	
Chemical Name	Unit	SC												
Benzo(a)anthracene	ug/Kg	150	240	U	200	U	190	U	240	U	240	U	240	U
Chrysene	ug/Kg	15000	240	U	200	U	190	U	240	U	240	U	240	U
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	530	U	200	U	190	U	240	U	240	U	240	U
Di-n-octylphthalate	ug/Kg	N/A	240	U	200	U	190	U	240	U	240	U	240	U
Benzo(b)fluoranthene	ug/Kg	150	240	U	200	U	190	U	240	U	240	U	240	U
Benzo(k)fluoranthene	ug/Kg	1500	240	U	200	U	190	U	240	U	240	U	240	U
Benzo(a)pyrene	ug/Kg	15	240	U	200	U	190	U	240	U	240	U	240	U
Indeno(1,2,3-cd)pyrene	ug/Kg	150	240	U	200	U	190	U	240	U	240	U	240	U
Dibenz(a,h)anthracene	ug/Kg	15	240	U	200	U	190	U	240	U	240	U	240	U
Benzo(g,h,i)perylene	ug/Kg	N/A	240	U	200	U	190	U	240	U	240	U	240	U
Chlorophenols	ug/Kg	22000	240	U	200	U	190	U	240	U	240	U	240	U
PCBs														
Aroclor-1016	ug/Kg	390	47	U	38	U	38	U	47	U	46	U	46	U
Aroclor-1221	ug/Kg	1.48	47	U	38	U	38	U	47	U	46	U	46	U
Aroclor-1232	ug/Kg	1.48	47	U	38	U	38	U	47	U	46	U	46	U
Aroclor-1242	ug/Kg	106	47	U	38	U	38	U	47	U	46	U	46	U
Aroclor-1248	ug/Kg	104	47	U	38	U	38	U	47	U	46	U	46	U
Aroclor-1254	ug/Kg	110	47	U	38	U	38	U	47	U	46	U	46	U
Aroclor-1260	ug/Kg	220	47	U	38	U	38	U	47	U	46	U	46	U
Aroclor-1262	ug/Kg	220	47	U	38	U	38	U	47	U	46	U	46	U
Aroclor-1268	ug/Kg	220	47	U	38	U	38	U	47	U	46	U	46	U
Pesticides														
alpha-BHC	ug/Kg	0.72	2.4	U	2	U	1.9	U	2.4	U	2.4	U	2.4	U
beta-BHC	ug/Kg	2.6	2.4	U	2	U	1.9	U	2.4	U	2.4	U	2.4	U
delta-BHC	ug/Kg	N/A	2.4	U	2	U	1.9	U	2.4	U	2.4	U	2.4	U
gamma-BHC (Lindane)	ug/Kg	24	2.4	U	2	U	1.9	U	2.4	U	2.4	U	2.4	U

Shellfoam Properties - Soil Sample Results Full Table
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		Sample Code	SHSB-01-A			SHSB-01-B			SHSB-01-C			SHSB-02-A			SHSB-02-B			SHSB-02-C		
		Location	SHSB-01			SHSB-01			SHSB-01			SHSB-02			SHSB-02			SHSB-02		
		Sample Date	12/6/2007			12/6/2007			12/6/2007			12/6/2007			12/6/2007			12/6/2007		
		Depth	0 to 1 ft			5 to 7 ft			14 to 16 ft			0 to 1 ft			5 to 7 ft			22 to 24 ft		
Chemical Name	Unit	SC																		
Heptachlor	ug/Kg	110	2.4	U		2	U		1.9	U		2.4	U		2.4	U		2.4	U	
Aldrin	ug/Kg	0.68	2.4	U		2	U		1.9	U		2.4	U		2.4	U		2.4	U	
Heptachlor epoxide	ug/Kg	53	2.4	U		2	U		1.9	U		2.4	U		2.4	U		2.4	U	
Endosulfan I	ug/Kg	22000	2.4	U		2	U		1.9	U		2.4	U		2.4	U		2.4	U	
Dieldrin	ug/Kg	1.22	4.7	U		3.8	U		3.8	U		4.7	U		4.6	U		4.6	U	
4,4'-DDE	ug/Kg	920	8.8		#	4.8	R		3.8	U		4.7	U		4.6	U		4.6	U	
Endrin	ug/Kg	1620	4.7	U		3.8	U		3.8	U		4.7	U		4.6	U		4.6	U	
Endosulfan II	ug/Kg	22000	4.7	U		3.8	U		3.8	U		4.7	U		4.6	U		4.6	U	
4,4'-DDD	ug/Kg	1320	4.7	U		3.8	U		3.8	U		4.7	U		4.6	U		4.6	U	
Endosulfan sulfate	ug/Kg	22000	4.7	U		3.8	U		3.8	U		4.7	U		4.6	U		4.6	U	
4,4'-DDT	ug/Kg	1340	4.7	U		3.8	U		3.8	U		4.7	U		4.6	U		4.6	U	
Methoxychlor	ug/Kg	31000	24	U		20	U		6.8	J	#	24	U		24	U		24	U	
Endrin ketone	ug/Kg	1620	4.7	U		3.8	U		3.8	U		4.7	U		4.6	U		4.6	U	
Endrin aldehyde	ug/Kg	1620	4.7	U		3.8	U		3.8	U		4.7	U		4.6	U		4.6	U	
alpha-Chlordane	ug/Kg	1600	2.4	U		2	U		1.9	U		2.4	U		2.4	U		2.4	U	
gamma-Chlordane	ug/Kg	1600	2.4	U		2	U		1.9	U		2.4	U		2.4	U		2.4	U	
Toxaphene	ug/Kg	440	240	U		200	U		190	U		240	U		240	U		240	U	
Inorganic Analytes																				
Aluminum	mg/kg	7700	**16400**		A	**9010**		A	**8890**		A	**15200**		A	**39400**		A	**10800**		A
Antimony	mg/kg	3.1	4.4	U		3.6	U		3.4	U		4.2	U		4.2	U		4.2	U	
Arsenic	mg/kg	0.39	1.5	U		**0.65**	J	A	**0.63**	J	A	1.5	U		**1.3**	J	A	1.4	U	
Barium	mg/kg	1500	136		#	107		#	114		#	41.7		#	251		#	108		#
Beryllium	mg/kg	16	0.73	U		0.61	U		0.57	U		0.74	U		0.69	U		0.7	U	
Cadmium	mg/kg	7	0.79		#	0.33	J	#	0.38	J	#	1.2		#	2.2		#	0.62	J	#
Calcium	mg/kg	N/A	3110		~	3750		~	4560		~	694	J	~	744		~	283	J	~
Chromium	mg/kg	0.29	**27.9**		A	**10.8**		A	**14.3**		A	**64.1**		A	**107**		A	**21.7**		A
Cobalt	mg/kg	2.3	**15.3**		A	**11.1**		A	**9.9**		A	**5**	J	A	**21.1**		A	**9.7**		A

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		Sample Code	SHSB-01-A			SHSB-01-B			SHSB-01-C			SHSB-02-A			SHSB-02-B			SHSB-02-C		
		Location	SHSB-01			SHSB-01			SHSB-01			SHSB-02			SHSB-02			SHSB-02		
		Sample Date	12/6/2007			12/6/2007			12/6/2007			12/6/2007			12/6/2007			12/6/2007		
		Depth	0 to 1 ft			5 to 7 ft			14 to 16 ft			0 to 1 ft			5 to 7 ft			22 to 24 ft		
Chemical Name	Unit	SC																		
Copper	mg/kg	310	86.8		#	10.3		#	81.3		#	67.6		#	136		#	39.6		#
Cyanide	mg/kg	4.7	0.14	J	#	3.1	U		2.9	U		3.7	U		3.5	U		3.5	U	
Iron	mg/kg	5400	**30600**		A	**18400**		A	**18400**		A	**43300**		A	**65100**		A	**18900**		A
Lead	mg/kg	280	7.4		#	1.2	U		1.1	U		1.5	U		1.4	U		1.4	U	
Magnesium	mg/kg	N/A	6580		~	4670		~	4860		~	3390		~	8980		~	4950		~
Manganese	mg/kg	21	**449**		A	**395**		A	**338**		A	**70.6**		A	**314**		A	**260**		A
Mercury	mg/kg	2	0.11	J	#	0.12	U		0.11	U		0.13	J	#	0.13	U		0.13	U	
Nickel	mg/kg	150	13.5		#	7		#	7		#	10.1		#	66.8		#	15.9		#
Potassium	mg/kg	N/A	95.4	J	~	113	J	~	203	J	~	70.5	J	~	109	J	~	20.8	J	~
Selenium	mg/kg	5.2	5.1	UJ		4.3	UJ		4	UJ		5.2	UJ		4.9	UJ		4.9	UJ	
Silver	mg/kg	12	3.4	J	#	2	J	#	2	J	#	4.5	J	#	6.8	J	#	2	J	#
Sodium	mg/kg	N/A	104	J	~	94.3	J	~	112	J	~	296	J	~	582	J	~	78.5	J	~
Thallium	mg/kg	0.08	0.72	U		0.6	U		0.58	U		0.72	U		0.7	U		0.7	U	
Vanadium	mg/kg	39	**98.6**		A	**71.5**		A	**69.1**		A	**135**		A	**159**		A	**52.5**		A
Zinc	mg/kg	2300	111		#	28.4		#	24.9		#	36.8		#	91.9		#	32.6		#
ASTMD422																				
% CLAY & COLLOIDS	%																			
% Coarse Sand >0.42 - 2.0 mm	%																			
% FINE SAND >.125 - .25 MM	%																			
% GRANULE & LARGER >2 MM	%																			
% MEDIUM SAND >.25 - .5 MM	%																			
% SILT	%																			
% VERY COURSE SAND >1 - 2 MM	%																			
% VERY FINE SAND >.0625 - .125 MM	%																			
%Silt + % Clay/Colloids (%Total Fines)	%																			
Additional Parameters																				

Shellfoam Properties - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SHSB-01-A			SHSB-01-B			SHSB-01-C			SHSB-02-A			SHSB-02-B			SHSB-02-C		
		Location	SHSB-01			SHSB-01			SHSB-01			SHSB-02			SHSB-02			SHSB-02		
		Sample Date	12/6/2007			12/6/2007			12/6/2007			12/6/2007			12/6/2007			12/6/2007		
		Depth	0 to 1 ft			5 to 7 ft			14 to 16 ft			0 to 1 ft			5 to 7 ft			22 to 24 ft		
Chemical Name	Unit	SC																		
% GRANULE & LARGER >2 MM	%	N/A				0		~												
% VERY COURSE SAND >1 - 2 MM	%	N/A				4		~												
% COARSE SAND >.5 - 1 MM	%	N/A				12		~												
% MEDIUM SAND >.25 - .5 MM	%	N/A				14		~												
% FINE SAND >.125 - .25 MM	%	N/A				11		~												
% VERY FINE SAND >.0625 - .125 MM	%	N/A				9		~												
% SILT	%	N/A				47		~												
% CLAY & COLLOIDS	%	N/A				3		~												
pH	s.u.	N/A				8		~												
Total Organic Carbon	mg/Kg	N/A				190	J	~												

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Comparison

Flag

Shellfoam Properties - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SHSB-01-A			SHSB-01-B			SHSB-01-C			SHSB-02-A			SHSB-02-B			SHSB-02-C		
		Location	SHSB-01			SHSB-01			SHSB-01			SHSB-02			SHSB-02			SHSB-02		
		Sample Date	12/6/2007			12/6/2007			12/6/2007			12/6/2007			12/6/2007			12/6/2007		
		Depth	0 to 1 ft			5 to 7 ft			14 to 16 ft			0 to 1 ft			5 to 7 ft			22 to 24 ft		
Chemical Name	Unit	SC																		

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

Shellfoam Properties - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SHSB-02-D			SHSB-03-A			SHSB-03-B			SHSB-03-C			SHSB-04-A			SHSB-04-B		
		Location	SHSB-02			SHSB-03			SHSB-03			SHSB-03			SHSB-04			SHSB-04		
		Sample Date	12/6/2007			12/6/2007			12/6/2007			12/6/2007			12/7/2007			12/7/2007		
		Depth	62 to 64 ft			0 to 1 ft			9 to 11 ft			26 to 28 ft			0 to 1 ft			6 to 8 ft		
Chemical Name	Unit	SC																		
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
Chloromethane	ug/Kg	980	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
Vinyl Chloride	ug/Kg	13.8	6	U		6.5	U		6.4	U		5.5	U		6.6	UJ		6.1	UJ	
Bromomethane	ug/Kg	36	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
Chloroethane	ug/Kg	118000	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
Trichlorofluoromethane	ug/Kg	13800	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
1,1-Dichloroethene	ug/Kg	50	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
Acetone	ug/Kg	48000	12	U		79		#	13	U		11	U		13	U		12	U	
Carbon Disulfide	ug/Kg	4200	6	U		3	J	#	6.4	U		5.5	U		6.6	U		6.1	U	
Methyl Acetate	ug/Kg	64000	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
Methylene Chloride	ug/Kg	26	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
trans-1,2-Dichloroethene	ug/Kg	580	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
Methyl tert-Butyl Ether	ug/Kg	56	6	U		6.5	U		1.9	J	#	5.5	U		6.6	U		6.1	U	
1,1-Dichloroethane	ug/Kg	13.6	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
cis-1,2-Dichloroethene	ug/Kg	420	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
2-Butanone	ug/Kg	20000	12	U		18		#	13	U		11	U		13	U		12	U	
Chlorobromomethane	ug/Kg	420	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
Chloroform	ug/Kg	290	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
1,1,1-Trichloroethane	ug/Kg	1400	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
Cyclohexane	ug/Kg	117000	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
Carbon Tetrachloride	ug/Kg	38	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
Benzene	ug/Kg	52	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
1,2-Dichloroethane	ug/Kg	28	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
1,4-Dioxane	ug/Kg	2.8	120	R		130	R		130	R		110	R		130	R		120	R	
Trichloroethene	ug/Kg	36	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	

Shellfoam Properties - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SHSB-02-D			SHSB-03-A			SHSB-03-B			SHSB-03-C			SHSB-04-A			SHSB-04-B		
		Location	SHSB-02			SHSB-03			SHSB-03			SHSB-03			SHSB-04			SHSB-04		
		Sample Date	12/6/2007			12/6/2007			12/6/2007			12/6/2007			12/7/2007			12/7/2007		
		Depth	62 to 64 ft			0 to 1 ft			9 to 11 ft			26 to 28 ft			0 to 1 ft			6 to 8 ft		
Chemical Name	Unit	SC																		
Metylcyclohexane	ug/Kg	N/A	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
1,2-Dichloropropane	ug/Kg	34	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
Bromodichloromethane	ug/Kg	270	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
cis-1,3-Dichloropropene	ug/Kg	3	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
4-Methyl-2-pentanone	ug/Kg	4600	12	U		13	U		13	U		11	U		13	U		12	U	
Toluene	ug/Kg	13800	6	U		0.68	J	#	6.4	U		5.5	U		6.6	U		6.1	U	
trans-1,3-Dichloropropene	ug/Kg	3	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
1,1,2-Trichloroethane	ug/Kg	32	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
Tetrachloroethene	ug/Kg	46	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
2-Hexanone	ug/Kg	158	12	U		13	U		13	U		11	U		13	U		12	U	
Dibromochloromethane	ug/Kg	420	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
1,2-Dibromoethane	ug/Kg	0.28	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
Chlorobenzene	ug/Kg	1360	6	U		6.5	UJ		6.4	U		5.5	U		6.6	U		6.1	U	
Ethylbenzene	ug/Kg	5400	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
o-Xylene	ug/Kg	3800	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
m,p-Xylene	ug/Kg	3600	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
Styrene	ug/Kg	2200	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
Bromoform	ug/Kg	420	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
Isopropylbenzene	ug/Kg	12800	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6	U		6.5	UJ		6.4	U		5.5	U		6.6	U		6.1	U	
1,4-Dichlorobenzene	ug/Kg	1440	6	U		1	J	#	1.9	J	#	1.3	J	#	6.6	U		6.1	U	
1,2-Dichlorobenzene	ug/Kg	11600	6	U		6.5	UJ		6.4	U		5.5	U		6.6	U		6.1	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6	U		6.5	U		6.4	U		5.5	U		6.6	U		6.1	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6	U		6.5	UJ		6.4	U		5.5	U		6.6	U		6.1	U	
1,2,3-Trichlorobenzene	ug/Kg	300	6	U		6.5	UJ		6.4	U		5.5	U		6.6	U		6.1	U	
Semi-Volatile Organic Compounds																				

Shellfoam Properties - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SHSB-02-D			SHSB-03-A			SHSB-03-B			SHSB-03-C			SHSB-04-A			SHSB-04-B		
		Location	SHSB-02			SHSB-03			SHSB-03			SHSB-03			SHSB-04			SHSB-04		
		Sample Date	12/6/2007			12/6/2007			12/6/2007			12/6/2007			12/7/2007			12/7/2007		
		Depth	62 to 64 ft			0 to 1 ft			9 to 11 ft			26 to 28 ft			0 to 1 ft			6 to 8 ft		
Chemical Name	Unit	SC																		
Benzaldehyde	ug/Kg	6600	240	U		230	U		250	U		200	U		120	J	#	230	U	
Phenol	ug/Kg	52000	240	U		230	U		250	U		200	U		230	U		230	U	
bis(2-Chloroethyl) ether	ug/Kg	0.06	240	U		230	U		250	U		200	U		230	U		230	U	
2-Chlorophenol	ug/Kg	1140	240	U		230	U		250	U		200	U		230	U		230	U	
2-Methylphenol	ug/Kg	11600	240	U		230	U		250	U		200	U		230	U		230	U	
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	240	U		230	U		250	U		200	U		230	U		230	U	
Acetophenone	ug/Kg	9000	240	U		230	U		250	U		200	U		2400		#	230	U	
4-Methylphenol	ug/Kg	22000	240	U		230	U		250	U		200	U		230	U		230	U	
n-Nitroso-di-n-propylamine	ug/Kg	0.14	240	U		230	U		250	U		200	U		230	U		230	U	
Hexachloroethane	ug/Kg	9.6	240	U		230	U		250	U		200	U		230	U		230	U	
Nitrobenzene	ug/Kg	1.58	240	U		230	U		250	U		200	U		230	U		230	U	
Isophorone	ug/Kg	440	240	U		230	U		250	U		200	U		230	U		230	U	
2-Nitrophenol	ug/Kg	N/A	240	U		230	U		250	U		200	U		230	U		230	U	
2,4-Dimethylphenol	ug/Kg	6400	240	U		230	U		250	U		200	U		230	U		230	U	
bis(2-Chloroethoxy)methane	ug/Kg	220	240	U		230	U		250	U		200	U		230	U		230	U	
2,4-Dichlorophenol	ug/Kg	820	240	U		230	U		250	U		200	U		230	U		230	U	
Naphthalene	ug/Kg	9.4	240	U		230	U		250	U		200	U		230	U		230	U	
4-Chloroaniline	ug/Kg	2.6	240	U		230	U		250	U		200	U		230	UJ		230	U	
Hexachlorobutadiene	ug/Kg	10	240	U		230	U		250	U		200	U		230	U		230	U	
Caprolactam	ug/Kg	38000	240	U		230	U		250	U		200	U		230	U		230	U	
4-Chloro-3-methylphenol	ug/Kg	26000	240	U		230	U		250	U		200	U		230	U		230	U	
2-Methylnaphthalene	ug/Kg	2800	240	U		230	U		250	U		200	U		230	U		230	U	
Hexachlorocyclopentadiene	ug/Kg	3200	240	U		230	U		250	U		200	U		230	UJ		230	U	
2,4,6-Trichlorophenol	ug/Kg	260	240	U		230	U		250	U		200	U		230	U		230	U	
2,4,5-Trichlorophenol	ug/Kg	66000	240	U		230	U		250	U		200	U		230	U		230	U	
1,1'-Biphenyl	ug/Kg	174	240	U		230	U		250	U		200	U		230	U		230	U	
2-Chloronaphthalene	ug/Kg	58000	240	U		230	U		250	U		200	U		230	U		230	U	
2-Nitroaniline	ug/Kg	1240	460	U		450	U		490	U		380	U		450	U		450	U	

Shellfoam Properties - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SHSB-02-D		SHSB-03-A		SHSB-03-B		SHSB-03-C		SHSB-04-A		SHSB-04-B	
		Location	SHSB-02		SHSB-03		SHSB-03		SHSB-03		SHSB-04		SHSB-04	
		Sample Date	12/6/2007		12/6/2007		12/6/2007		12/6/2007		12/7/2007		12/7/2007	
		Depth	62 to 64 ft		0 to 1 ft		9 to 11 ft		26 to 28 ft		0 to 1 ft		6 to 8 ft	
Chemical Name	Unit	SC												
Dimethylphthalate	ug/Kg	N/A	240	U	230	U	250	U	200	U	230	U	230	U
2,6-Dinitrotoluene	ug/Kg	400	240	U	230	U	250	U	200	U	230	U	230	U
Acenaphthylene	ug/Kg	N/A	240	U	230	U	250	U	200	U	230	U	230	U
3-Nitroaniline	ug/Kg	N/A	460	U	450	U	490	U	380	U	450	U	450	U
Acenaphthene	ug/Kg	82000	240	U	230	U	250	U	200	U	230	U	230	U
2,4-Dinitrophenol	ug/Kg	680	460	U	450	U	490	U	380	U	450	U	450	U
4-Nitrophenol	ug/Kg	N/A	460	U	450	U	490	U	380	U	450	U	450	U
Dibenzofuran	ug/Kg	N/A	240	U	230	U	250	U	200	U	230	U	230	U
2,4-Dinitrotoluene	ug/Kg	5.6	240	U	230	U	250	U	200	U	230	U	230	U
Diethylphthalate	ug/Kg	94000	240	U	230	U	250	U	200	U	230	U	230	U
Fluorene	ug/Kg	80000	240	U	230	U	250	U	200	U	230	U	230	U
4-Chlorophenyl-phenylether	ug/Kg	N/A	240	U	230	U	250	U	200	U	230	U	230	U
4-Nitroaniline	ug/Kg	28	460	U	450	U	490	U	380	U	450	U	450	U
4,6-Dinitro-2-methylphenol	ug/Kg	40	460	U	450	U	490	U	380	U	450	U	450	U
n-Nitrosodiphenylamine	ug/Kg	1140	240	U	230	U	250	U	200	U	230	U	230	U
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	240	U	230	U	250	U	200	U	230	U	230	U
4-Bromophenyl-phenylether	ug/Kg	N/A	240	U	230	U	250	U	200	U	230	U	230	U
Hexachlorobenzene	ug/Kg	260	240	U	230	U	250	U	200	U	230	U	230	U
Atrazine	ug/Kg	38	240	U	230	U	250	U	200	U	230	U	230	U
Pentachlorophenol	ug/Kg	200	460	U	450	U	490	U	380	U	450	U	450	U
Phenanthrene	ug/Kg	N/A	240	U	230	U	250	U	200	U	230	U	230	U
Anthracene	ug/Kg	840000	240	U	230	U	250	U	200	U	230	U	230	U
Carbazole	ug/Kg	N/A	240	U	230	U	250	U	200	U	230	U	230	U
Di-n-butylphthalate	ug/Kg	34000	240	U	230	U	250	U	200	U	230	U	230	U
Fluoranthene	ug/Kg	230000	240	U	230	U	250	U	200	U	230	U	230	U
Pyrene	ug/Kg	170000	240	U	230	U	250	U	200	U	230	U	230	U
Butylbenzylphthalate	ug/Kg	4000	240	U	230	U	250	U	200	U	230	U	230	U
3,3'-Dichlorobenzidine	ug/Kg	14.2	240	U	230	U	250	U	200	U	230	UJ	230	U

Shellfoam Properties - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SHSB-02-D			SHSB-03-A			SHSB-03-B			SHSB-03-C			SHSB-04-A			SHSB-04-B		
		Location	SHSB-02			SHSB-03			SHSB-03			SHSB-03			SHSB-04			SHSB-04		
		Sample Date	12/6/2007			12/6/2007			12/6/2007			12/6/2007			12/7/2007			12/7/2007		
		Depth	62 to 64 ft			0 to 1 ft			9 to 11 ft			26 to 28 ft			0 to 1 ft			6 to 8 ft		
Chemical Name	Unit	SC																		
Benzo(a)anthracene	ug/Kg	150	240	U		230	U		250	U		200	U		230	U		230	U	
Chrysene	ug/Kg	15000	240	U		230	U		250	U		200	U		230	U		230	U	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	430	U		600	U		250	U		200	U		250	U		230	U	
Di-n-octylphthalate	ug/Kg	N/A	240	U		230	U		250	U		160	J	~	230	U		230	U	
Benzo(b)fluoranthene	ug/Kg	150	240	U		230	U		250	U		200	U		230	U		230	U	
Benzo(k)fluoranthene	ug/Kg	1500	240	U		230	U		250	U		200	U		230	U		230	U	
Benzo(a)pyrene	ug/Kg	15	240	U		230	U		250	U		200	U		230	U		230	U	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	240	U		230	U		250	U		200	U		230	U		230	U	
Dibenz(a,h)anthracene	ug/Kg	15	240	U		230	U		250	U		200	U		230	U		230	U	
Benzo(g,h,i)perylene	ug/Kg	N/A	240	U		230	U		250	U		200	U		230	U		230	U	
Chlorophenols	ug/Kg	22000	240	U		230	U		250	U		200	U		230	U		230	U	
PCBs																				
Aroclor-1016	ug/Kg	390	46	U		45	U		49	U		38	U		45	U		45	U	
Aroclor-1221	ug/Kg	1.48	46	U		45	U		49	U		38	U		45	U		45	U	
Aroclor-1232	ug/Kg	1.48	46	U		45	U		49	U		38	U		45	U		45	U	
Aroclor-1242	ug/Kg	106	46	U		45	U		49	U		38	U		45	U		45	U	
Aroclor-1248	ug/Kg	104	46	U		45	U		49	U		38	U		45	U		45	U	
Aroclor-1254	ug/Kg	110	46	U		45	U		49	U		38	U		45	U		45	U	
Aroclor-1260	ug/Kg	220	46	U		45	U		49	U		38	U		45	U		45	U	
Aroclor-1262	ug/Kg	220	46	U		45	U		49	U		38	U		45	U		45	U	
Aroclor-1268	ug/Kg	220	46	U		45	U		49	U		38	U		45	U		45	U	
Pesticides																				
alpha-BHC	ug/Kg	0.72	2.4	U		2.3	U		2.5	U		2	U		2.3	U		2.3	U	
beta-BHC	ug/Kg	2.6	2.4	U		2.3	U		2.5	U		2	U		**4.5**	J	A	2.3	U	
delta-BHC	ug/Kg	N/A	2.4	U		2.3	U		2.5	U		2	U		2.3	U		2.3	U	
gamma-BHC (Lindane)	ug/Kg	24	2.4	U		2.3	U		2.5	U		2	U		0.92	J	#	2.3	U	

Shellfoam Properties - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SHSB-02-D			SHSB-03-A			SHSB-03-B			SHSB-03-C			SHSB-04-A			SHSB-04-B		
		Location	SHSB-02			SHSB-03			SHSB-03			SHSB-03			SHSB-04			SHSB-04		
		Sample Date	12/6/2007			12/6/2007			12/6/2007			12/6/2007			12/7/2007			12/7/2007		
		Depth	62 to 64 ft			0 to 1 ft			9 to 11 ft			26 to 28 ft			0 to 1 ft			6 to 8 ft		
Chemical Name	Unit	SC																		
Heptachlor	ug/Kg	110	2.4	U		2.3	U		2.5	U		2	U		4.6	R		2.3	U	
Aldrin	ug/Kg	0.68	2.4	U		2.3	U		2.5	U		2	U		**1.4**	J	A	2.3	U	
Heptachlor epoxide	ug/Kg	53	2.4	U		2.3	U		2.5	U		2	U		2.3	U		2.3	U	
Endosulfan I	ug/Kg	22000	2.4	U		2.3	U		2.5	U		2	U		2.3	U		2.3	U	
Dieldrin	ug/Kg	1.22	4.6	U		4.5	U		4.9	U		3.8	U		4.5	U		4.5	U	
4,4'-DDE	ug/Kg	920	4.6	U		4.5	U		4.9	U		3.8	U		6.9	R		4.5	U	
Endrin	ug/Kg	1620	4.6	U		4.5	U		4.9	U		3.8	U		4.5	U		4.5	U	
Endosulfan II	ug/Kg	22000	4.6	U		4.5	U		4.9	U		3.8	U		1.4	J	#	4.5	U	
4,4'-DDD	ug/Kg	1320	4.6	U		4.5	U		4.9	U		3.8	U		4.5	U		4.5	U	
Endosulfan sulfate	ug/Kg	22000	4.6	U		4.5	U		4.9	U		3.8	U		4.5	U		4.5	U	
4,4'-DDT	ug/Kg	1340	4.6	U		4.5	U		4.9	U		3.8	U		4.2	J	#	4.5	U	
Methoxychlor	ug/Kg	31000	24	U		23	U		25	U		20	U		23	U		23	U	
Endrin ketone	ug/Kg	1620	4.6	U		4.5	U		4.9	U		3.8	U		4.5	U		4.5	U	
Endrin aldehyde	ug/Kg	1620	4.6	U		4.5	U		4.9	U		3.8	U		4.5	U		4.5	U	
alpha-Chlordane	ug/Kg	1600	2.4	U		2.3	U		2.5	U		2	U		11	JN	#	2.3	U	
gamma-Chlordane	ug/Kg	1600	0.48	J	#	2.3	U		2.5	U		2	U		2.3	U		2.3	U	
Toxaphene	ug/Kg	440	240	U		230	U		250	U		200	U		230	U		230	U	
Inorganic Analytes																				
Aluminum	mg/kg	7700	**18100**		A	**9060**		A	**16500**		A	**8750**		A	**14400**		A	**22700**		A
Antimony	mg/kg	3.1	4.2	U		4.2	U		4.2	U		3.4	U		4.4	U		4.2	U	
Arsenic	mg/kg	0.39	1.4	U		**1.5**		A	1.5	U		1.2	U		**1.7**		A	1.4	U	
Barium	mg/kg	1500	238		#	68.3		#	94.9		#	55.4		#	146		#	236		#
Beryllium	mg/kg	16	0.69	U		0.71	U		0.73	U		0.58	U		0.72	U		0.7	U	
Cadmium	mg/kg	7	0.72		#	0.5	J	#	0.55	J	#	0.5	J	#	2.3		#	1.6		#
Calcium	mg/kg	N/A	3190		~	848		~	498	J	~	1940		~	6130	J	~	4630	J	~
Chromium	mg/kg	0.29	**45.4**		A	**30.8**		A	**23.1**		A	**17.2**		A	**38.5**		A	**39.7**		A
Cobalt	mg/kg	2.3	**21.7**		A	**40.6**		A	**14.5**		A	**9.6**		A	**19.8**		A	**29**		A

Shellfoam Properties - Soil Sample Results Full Table
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Cidra, Puerto Rico

		Sample Code	SHSB-02-D			SHSB-03-A			SHSB-03-B			SHSB-03-C			SHSB-04-A			SHSB-04-B		
		Location	SHSB-02			SHSB-03			SHSB-03			SHSB-03			SHSB-04			SHSB-04		
		Sample Date	12/6/2007			12/6/2007			12/6/2007			12/6/2007			12/7/2007			12/7/2007		
		Depth	62 to 64 ft			0 to 1 ft			9 to 11 ft			26 to 28 ft			0 to 1 ft			6 to 8 ft		
Chemical Name	Unit	SC																		
Copper	mg/kg	310	58.9		#	36.2		#	29.5		#	39.8		#	91.3		#	105		#
Cyanide	mg/kg	4.7	3.5	U		3.5	U		3.7	U		2.9	U		3.6	U		3.5	U	
Iron	mg/kg	5400	**31500**		A	**27000**		A	**24300**		A	**19100**		A	**42700**		A	**47200**		A
Lead	mg/kg	280	1.4	U		0.41	J	#	1.5	U		1.2	U		26.3	J	#	1.4	UJ	
Magnesium	mg/kg	N/A	9080		~	1500		~	4710		~	10200		~	5470		~	11300		~
Manganese	mg/kg	21	**688**		A	**1400**		A	**237**		A	**414**		A	**901**	J	A	**934**	J	A
Mercury	mg/kg	2	0.066	J	#	0.12	J	#	0.049	J	#	0.12	U		0.15		#	0.056	J	#
Nickel	mg/kg	150	19.4		#	7.3		#	13.5		#	9.3		#	67.2		#	26.5		#
Potassium	mg/kg	N/A	107	J	~	71.4	J	~	41.5	J	~	330	J	~	467	J	~	237	J	~
Selenium	mg/kg	5.2	4.8	UJ		5	UJ		5.1	UJ		4	UJ		5	UJ		4.9	UJ	
Silver	mg/kg	12	3.4	J	#	3	J	#	2.7	J	#	2.1	J	#	4.5	J	#	4.8	J	#
Sodium	mg/kg	N/A	216	J	~	71.8	J	~	106	J	~	61.6	J	~	148	J	~	176	J	~
Thallium	mg/kg	0.08	0.7	U		0.7	U		0.74	U		0.58	U		0.72	U		0.7	U	
Vanadium	mg/kg	39	**79.9**		A	**114**		A	**71.8**		A	**42.3**		A	**246**		A	**168**		A
Zinc	mg/kg	2300	35		#	20.9		#	38.2		#	24.2		#	276		#	57.6		#
ASTMD422																				
% CLAY & COLLOIDS	%																			
% Coarse Sand >0.42 - 2.0 mm	%																			
% FINE SAND >.125 - .25 MM	%																			
% GRANULE & LARGER >2 MM	%																			
% MEDIUM SAND >.25 - .5 MM	%																			
% SILT	%																			
% VERY COURSE SAND >1 - 2 MM	%																			
% VERY FINE SAND >.0625 - .125 MM	%																			
%Silt + % Clay/Colloids (%Total Fines)	%																			
Additional Parameters																				

Shellfoam Properties - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SHSB-02-D			SHSB-03-A			SHSB-03-B			SHSB-03-C			SHSB-04-A			SHSB-04-B		
		Location	SHSB-02			SHSB-03			SHSB-03			SHSB-03			SHSB-04			SHSB-04		
		Sample Date	12/6/2007			12/6/2007			12/6/2007			12/6/2007			12/7/2007			12/7/2007		
		Depth	62 to 64 ft			0 to 1 ft			9 to 11 ft			26 to 28 ft			0 to 1 ft			6 to 8 ft		
Chemical Name	Unit	SC																		
% GRANULE & LARGER >2 MM	%	N/A										0		~						
% VERY COURSE SAND >1 - 2 MM	%	N/A										5		~						
% COARSE SAND >.5 - 1 MM	%	N/A										15		~						
% MEDIUM SAND >.25 - .5 MM	%	N/A										20		~						
% FINE SAND >.125 - .25 MM	%	N/A										17		~						
% VERY FINE SAND >.0625 - .125 MM	%	N/A										12		~						
% SILT	%	N/A										25		~						
% CLAY & COLLOIDS	%	N/A										7		~						
pH	s.u.	N/A										8		~						
Total Organic Carbon	mg/Kg	N/A										180	J	~						

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Comparison

Flag

Shellfoam Properties - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SHSB-02-D		SHSB-03-A			SHSB-03-B			SHSB-03-C			SHSB-04-A			SHSB-04-B		
		Location	SHSB-02			SHSB-03			SHSB-03			SHSB-03			SHSB-04			SHSB-04		
		Sample Date	12/6/2007			12/6/2007			12/6/2007			12/6/2007			12/7/2007			12/7/2007		
		Depth	62 to 64 ft			0 to 1 ft			9 to 11 ft			26 to 28 ft			0 to 1 ft			6 to 8 ft		
Chemical Name	Unit	SC																		

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

Shellfoam Properties - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SHSB-04-C			SHSB-04-D			SHSB-05-A			SHSB-05-B			SHSB-05-C			SHSB-05-D		
		Location	SHSB-04			SHSB-04			SHSB-05			SHSB-05			SHSB-05			SHSB-05		
		Sample Date	12/7/2007			12/7/2007			12/7/2007			12/7/2007			12/7/2007			12/7/2007		
		Depth	20 to 22 ft			40 to 42 ft			0 to 1 ft			9 to 11 ft			23 to 24 ft			40 to 42 ft		
Chemical Name	Unit	SC																		
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
Chloromethane	ug/Kg	980	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
Vinyl Chloride	ug/Kg	13.8	5.5	UJ		5.6	U		4.6	U		6	UJ		6.2	UJ		5.5	U	
Bromomethane	ug/Kg	36	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
Chloroethane	ug/Kg	118000	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
Trichlorofluoromethane	ug/Kg	13800	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
1,1-Dichloroethene	ug/Kg	50	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
Acetone	ug/Kg	48000	11	U		15	U		9.8	U		98		#	24		#	11	U	
Carbon Disulfide	ug/Kg	4200	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
Methyl Acetate	ug/Kg	64000	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
Methylene Chloride	ug/Kg	26	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
trans-1,2-Dichloroethene	ug/Kg	580	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
Methyl tert-Butyl Ether	ug/Kg	56	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
1,1-Dichloroethane	ug/Kg	13.6	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
cis-1,2-Dichloroethene	ug/Kg	420	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
2-Butanone	ug/Kg	20000	11	U		11	U		9.2	U		9.6	J	#	12	U		11	U	
Chlorobromomethane	ug/Kg	420	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
Chloroform	ug/Kg	290	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
1,1,1-Trichloroethane	ug/Kg	1400	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
Cyclohexane	ug/Kg	117000	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
Carbon Tetrachloride	ug/Kg	38	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
Benzene	ug/Kg	52	5.5	U		5.6	U		4.6	U		0.71	J	#	6.2	U		5.5	U	
1,2-Dichloroethane	ug/Kg	28	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
1,4-Dioxane	ug/Kg	2.8	110	R		110	R		92	R		120	R		120	R		110	R	
Trichloroethene	ug/Kg	36	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	

Shellfoam Properties - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SHSB-04-C			SHSB-04-D			SHSB-05-A			SHSB-05-B			SHSB-05-C			SHSB-05-D		
		Location	SHSB-04			SHSB-04			SHSB-05			SHSB-05			SHSB-05			SHSB-05		
		Sample Date	12/7/2007			12/7/2007			12/7/2007			12/7/2007			12/7/2007			12/7/2007		
		Depth	20 to 22 ft			40 to 42 ft			0 to 1 ft			9 to 11 ft			23 to 24 ft			40 to 42 ft		
Chemical Name	Unit	SC																		
Metylcyclohexane	ug/Kg	N/A	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
1,2-Dichloropropane	ug/Kg	34	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
Bromodichloromethane	ug/Kg	270	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
cis-1,3-Dichloropropene	ug/Kg	3	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
4-Methyl-2-pentanone	ug/Kg	4600	11	U		11	U		9.2	U		12	U		12	U		11	U	
Toluene	ug/Kg	13800	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
trans-1,3-Dichloropropene	ug/Kg	3	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
1,1,2-Trichloroethane	ug/Kg	32	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
Tetrachloroethene	ug/Kg	46	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
2-Hexanone	ug/Kg	158	11	U		11	U		9.2	U		12	U		12	U		11	U	
Dibromochloromethane	ug/Kg	420	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
1,2-Dibromoethane	ug/Kg	0.28	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
Chlorobenzene	ug/Kg	1360	5.5	U		5.6	U		4.6	U		6	U		0.83	J	#	5.5	U	
Ethylbenzene	ug/Kg	5400	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
o-Xylene	ug/Kg	3800	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
m,p-Xylene	ug/Kg	3600	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
Styrene	ug/Kg	2200	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
Bromoform	ug/Kg	420	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
Isopropylbenzene	ug/Kg	12800	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
1,3-Dichlorobenzene	ug/Kg	N/A	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
1,4-Dichlorobenzene	ug/Kg	1440	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
1,2-Dichlorobenzene	ug/Kg	11600	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
1,2,3-Trichlorobenzene	ug/Kg	300	5.5	U		5.6	U		4.6	U		6	U		6.2	U		5.5	U	
Semi-Volatile Organic Compounds																				

Shellfoam Properties - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SHSB-04-C			SHSB-04-D			SHSB-05-A			SHSB-05-B			SHSB-05-C			SHSB-05-D		
		Location	SHSB-04			SHSB-04			SHSB-05			SHSB-05			SHSB-05			SHSB-05		
		Sample Date	12/7/2007			12/7/2007			12/7/2007			12/7/2007			12/7/2007			12/7/2007		
		Depth	20 to 22 ft			40 to 42 ft			0 to 1 ft			9 to 11 ft			23 to 24 ft			40 to 42 ft		
Chemical Name	Unit	SC																		
Benzaldehyde	ug/Kg	6600	230	U		200	U		650	U		250	U		250	U		210	U	
Phenol	ug/Kg	52000	230	U		200	U		650	U		250	U		250	U		210	U	
bis(2-Chloroethyl) ether	ug/Kg	0.06	230	U		200	U		650	U		250	U		250	U		210	U	
2-Chlorophenol	ug/Kg	1140	230	U		200	U		650	U		250	U		250	U		210	U	
2-Methylphenol	ug/Kg	11600	230	U		200	U		650	U		250	U		250	U		210	U	
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	230	U		200	U		650	U		250	U		250	U		210	U	
Acetophenone	ug/Kg	9000	230	U		200	U		650	U		250	U		250	U		210	U	
4-Methylphenol	ug/Kg	22000	230	U		200	U		650	U		250	U		250	U		210	U	
n-Nitroso-di-n-propylamine	ug/Kg	0.14	230	U		200	U		650	U		250	U		250	U		210	U	
Hexachloroethane	ug/Kg	9.6	230	U		200	U		650	U		250	U		250	U		210	U	
Nitrobenzene	ug/Kg	1.58	230	U		200	U		650	U		250	U		250	U		210	U	
Isophorone	ug/Kg	440	230	U		200	U		650	U		250	U		250	U		210	U	
2-Nitrophenol	ug/Kg	N/A	230	U		200	U		650	U		250	U		250	U		210	U	
2,4-Dimethylphenol	ug/Kg	6400	230	U		200	U		650	U		250	U		250	U		210	U	
bis(2-Chloroethoxy)methane	ug/Kg	220	230	U		200	U		650	U		250	U		250	U		210	U	
2,4-Dichlorophenol	ug/Kg	820	230	U		200	U		650	U		250	U		250	U		210	U	
Naphthalene	ug/Kg	9.4	230	U		200	U		**370**	J	A	250	U		250	U		210	U	
4-Chloroaniline	ug/Kg	2.6	230	U		200	U		650	U		250	U		250	U		210	U	
Hexachlorobutadiene	ug/Kg	10	230	U		200	U		650	U		250	U		250	U		210	U	
Caprolactam	ug/Kg	38000	230	U		200	U		650	U		250	U		250	U		210	U	
4-Chloro-3-methylphenol	ug/Kg	26000	230	U		200	U		650	U		250	U		250	U		210	U	
2-Methylnaphthalene	ug/Kg	2800	230	U		200	U		2700		#	250	U		250	U		210	U	
Hexachlorocyclopentadiene	ug/Kg	3200	230	U		200	U		650	U		250	U		250	U		210	U	
2,4,6-Trichlorophenol	ug/Kg	260	230	U		200	U		650	U		250	U		250	U		210	U	
2,4,5-Trichlorophenol	ug/Kg	66000	230	U		200	U		650	U		250	U		250	U		210	U	
1,1'-Biphenyl	ug/Kg	174	230	U		200	U		650	U		250	U		250	U		210	U	
2-Chloronaphthalene	ug/Kg	58000	230	U		200	U		650	U		250	U		250	U		210	U	
2-Nitroaniline	ug/Kg	1240	450	U		380	U		1300	U		480	U		480	U		410	U	

Shellfoam Properties - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SHSB-04-C			SHSB-04-D			SHSB-05-A			SHSB-05-B			SHSB-05-C			SHSB-05-D		
		Location	SHSB-04			SHSB-04			SHSB-05			SHSB-05			SHSB-05			SHSB-05		
		Sample Date	12/7/2007			12/7/2007			12/7/2007			12/7/2007			12/7/2007			12/7/2007		
		Depth	20 to 22 ft			40 to 42 ft			0 to 1 ft			9 to 11 ft			23 to 24 ft			40 to 42 ft		
Chemical Name	Unit	SC																		
Dimethylphthalate	ug/Kg	N/A	230	U		200	U		650	U		250	U		250	U		210	U	
2,6-Dinitrotoluene	ug/Kg	400	230	U		200	U		650	U		250	U		250	U		210	U	
Acenaphthylene	ug/Kg	N/A	230	U		200	U		650	U		250	U		250	U		210	U	
3-Nitroaniline	ug/Kg	N/A	450	U		380	U		1300	U		480	U		480	U		410	U	
Acenaphthene	ug/Kg	82000	230	U		200	U		290	J	#	250	U		250	U		210	U	
2,4-Dinitrophenol	ug/Kg	680	450	U		380	U		1300	U		480	U		480	U		410	U	
4-Nitrophenol	ug/Kg	N/A	450	U		380	U		1300	U		480	U		480	U		410	U	
Dibenzofuran	ug/Kg	N/A	230	U		200	U		650	U		250	U		250	U		210	U	
2,4-Dinitrotoluene	ug/Kg	5.6	230	U		200	U		650	U		250	U		250	U		210	U	
Diethylphthalate	ug/Kg	94000	230	U		200	U		650	U		250	U		250	U		210	U	
Fluorene	ug/Kg	80000	230	U		200	U		320	J	#	250	U		250	U		210	U	
4-Chlorophenyl-phenylether	ug/Kg	N/A	230	U		200	U		650	U		250	U		250	U		210	U	
4-Nitroaniline	ug/Kg	28	450	U		380	U		1300	U		480	U		480	U		410	U	
4,6-Dinitro-2-methylphenol	ug/Kg	40	450	U		380	U		1300	U		480	U		480	U		410	U	
n-Nitrosodiphenylamine	ug/Kg	1140	230	U		200	U		880		#	250	U		250	U		210	U	
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	230	U		200	U		650	U		250	U		250	U		210	U	
4-Bromophenyl-phenylether	ug/Kg	N/A	230	U		200	U		650	U		250	U		250	U		210	U	
Hexachlorobenzene	ug/Kg	260	230	U		200	U		650	U		250	U		250	U		210	U	
Atrazine	ug/Kg	38	230	U		200	U		650	U		250	U		250	U		210	U	
Pentachlorophenol	ug/Kg	200	450	U		380	U		1300	U		480	U		480	U		410	U	
Phenanthrene	ug/Kg	N/A	230	U		200	U		1000		~	250	U		250	U		210	U	
Anthracene	ug/Kg	840000	230	U		200	U		150	J	#	250	U		250	U		210	U	
Carbazole	ug/Kg	N/A	230	U		200	U		650	U		250	U		250	U		210	U	
Di-n-butylphthalate	ug/Kg	34000	230	U		200	U		650	U		250	U		250	U		210	U	
Fluoranthene	ug/Kg	230000	230	U		200	U		290	J	#	250	U		250	U		210	U	
Pyrene	ug/Kg	170000	230	U		200	U		1200		#	250	U		250	U		210	U	
Butylbenzylphthalate	ug/Kg	4000	230	U		200	U		650	U		250	U		250	U		210	U	
3,3'-Dichlorobenzidine	ug/Kg	14.2	230	U		200	U		650	U		250	U		250	U		210	U	

Shellfoam Properties - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SHSB-04-C			SHSB-04-D			SHSB-05-A			SHSB-05-B			SHSB-05-C			SHSB-05-D		
		Location	SHSB-04			SHSB-04			SHSB-05			SHSB-05			SHSB-05			SHSB-05		
		Sample Date	12/7/2007			12/7/2007			12/7/2007			12/7/2007			12/7/2007			12/7/2007		
		Depth	20 to 22 ft			40 to 42 ft			0 to 1 ft			9 to 11 ft			23 to 24 ft			40 to 42 ft		
Chemical Name	Unit	SC																		
Benzo(a)anthracene	ug/Kg	150	230	U		200	U		**310**	J	A	250	U		250	U		210	U	
Chrysene	ug/Kg	15000	230	U		200	U		720		#	250	U		250	U		210	U	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	230	U		200	U		650	U		250	U		250	U		210	U	
Di-n-octylphthalate	ug/Kg	N/A	230	U		200	U		1300		~	250	U		250	U		210	U	
Benzo(b)fluoranthene	ug/Kg	150	230	U		200	U		**250**	J	A	250	U		250	U		210	U	
Benzo(k)fluoranthene	ug/Kg	1500	230	U		200	U		650	U		250	U		250	U		210	U	
Benzo(a)pyrene	ug/Kg	15	230	U		200	U		**280**	J	A	250	U		250	U		210	U	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	230	U		200	U		650	U		250	U		250	U		210	U	
Dibenz(a,h)anthracene	ug/Kg	15	230	U		200	U		650	U		250	U		250	U		210	U	
Benzo(g,h,i)perylene	ug/Kg	N/A	230	U		200	U		650	U		250	U		250	U		210	U	
Chlorophenols	ug/Kg	22000	230	U		200	U		650	U		250	U		250	U		210	U	
PCBs																				
Aroclor-1016	ug/Kg	390	45	U		38	U		42	U		48	U		48	U		41	U	
Aroclor-1221	ug/Kg	1.48	45	U		38	U		42	U		48	U		48	U		41	U	
Aroclor-1232	ug/Kg	1.48	45	U		38	U		42	U		48	U		48	U		41	U	
Aroclor-1242	ug/Kg	106	45	U		38	U		42	U		48	U		48	U		41	U	
Aroclor-1248	ug/Kg	104	45	U		38	U		42	U		48	U		48	U		41	U	
Aroclor-1254	ug/Kg	110	45	U		38	U		42	U		48	U		48	U		41	U	
Aroclor-1260	ug/Kg	220	45	U		38	U		42	U		48	U		48	U		41	U	
Aroclor-1262	ug/Kg	220	45	U		38	U		42	U		48	U		48	U		41	U	
Aroclor-1268	ug/Kg	220	45	U		38	U		42	U		48	U		48	U		41	U	
Pesticides																				
alpha-BHC	ug/Kg	0.72	2.3	U		2	U		2.2	U		2.5	U		2.5	U		2.1	U	
beta-BHC	ug/Kg	2.6	2.3	U		2	U		7.1	R		2.5	U		2.5	U		2.1	U	
delta-BHC	ug/Kg	N/A	2.3	U		2	U		2.2	U		2.5	U		2.5	U		2.1	U	
gamma-BHC (Lindane)	ug/Kg	24	2.3	U		2	U		2.2	U		2.5	U		2.5	U		2.1	U	

Shellfoam Properties - Soil Sample Results Full Table
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Cidra, Puerto Rico

		Sample Code	SHSB-04-C			SHSB-04-D			SHSB-05-A			SHSB-05-B			SHSB-05-C			SHSB-05-D		
		Location	SHSB-04			SHSB-04			SHSB-05			SHSB-05			SHSB-05			SHSB-05		
		Sample Date	12/7/2007			12/7/2007			12/7/2007			12/7/2007			12/7/2007			12/7/2007		
		Depth	20 to 22 ft			40 to 42 ft			0 to 1 ft			9 to 11 ft			23 to 24 ft			40 to 42 ft		
Chemical Name	Unit	SC																		
Heptachlor	ug/Kg	110	2.3	U		2	U		2.2	U		2.5	U		2.5	U		2.1	U	
Aldrin	ug/Kg	0.68	2.3	U		2	U		2.2	U		2.5	U		2.5	U		2.1	U	
Heptachlor epoxide	ug/Kg	53	2.3	U		2	U		2.2	U		2.5	U		2.5	U		2.1	U	
Endosulfan I	ug/Kg	22000	2.3	U		2	U		2.8	R		2.5	U		2.5	U		2.1	U	
Dieldrin	ug/Kg	1.22	4.5	U		3.8	U		4.2	U		4.8	U		4.8	U		4.1	U	
4,4'-DDE	ug/Kg	920	4.5	U		3.8	U		4.2	U		4.8	U		4.8	U		4.1	U	
Endrin	ug/Kg	1620	4.5	U		3.8	U		4.2	U		4.8	U		4.8	U		4.1	U	
Endosulfan II	ug/Kg	22000	4.5	U		3.8	U		4.2	U		4.8	U		4.8	U		4.1	U	
4,4'-DDD	ug/Kg	1320	4.5	U		3.8	U		4.2	U		4.8	U		4.8	U		4.1	U	
Endosulfan sulfate	ug/Kg	22000	4.5	U		3.8	U		4.2	U		4.8	U		4.8	U		4.1	U	
4,4'-DDT	ug/Kg	1340	4.5	U		3.8	U		12	JN	#	4.8	U		4.8	U		4.1	U	
Methoxychlor	ug/Kg	31000	23	U		20	U		22	U		25	U		25	U		21	U	
Endrin ketone	ug/Kg	1620	4.5	U		3.8	U		4.2	U		4.8	U		4.8	U		4.1	U	
Endrin aldehyde	ug/Kg	1620	4.5	U		3.8	U		13	J	#	4.8	U		4.8	U		4.1	U	
alpha-Chlordane	ug/Kg	1600	2.3	U		2	U		2.2	U		2.5	U		2.5	U		0.55	J	#
gamma-Chlordane	ug/Kg	1600	2.3	U		2	U		3.7	R		2.5	U		2.5	U		2.1	U	
Toxaphene	ug/Kg	440	230	U		200	U		220	U		250	U		250	U		210	U	
Inorganic Analytes																				
Aluminum	mg/kg	7700	**14100**		A	**22800**		A	**17100**		A	**9580**		A	**9810**		A	**16800**		A
Antimony	mg/kg	3.1	4	U		3.4	U		3.8	U		4.2	U		0.12	U		3.8	U	
Arsenic	mg/kg	0.39	**0.52**	J	A	**1.8**		A	**1.5**		A	1.4	U		1.4	U		**1.1**	J	A
Barium	mg/kg	1500	29		#	138		#	138		#	83.4		#	35.5		#	107		#
Beryllium	mg/kg	16	0.67	U		0.57	U		0.63	U		0.72	U		0.68	U		0.63	U	
Cadmium	mg/kg	7	1.3		#	2		#	2.6		#	0.6	J	#	0.54	J	#	0.79		#
Calcium	mg/kg	N/A	810	J	~	12100	J	~	6150	J	~	1660		~	379	J	~	5960		~
Chromium	mg/kg	0.29	**40.7**		A	**72.6**		A	**31.3**		A	**19.4**		A	**33.9**		A	**41.2**		A
Cobalt	mg/kg	2.3	**8.7**		A	**33.6**		A	**26.3**		A	**17.8**		A	6.8	U		**22.1**		A

Shellfoam Properties - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SHSB-04-C			SHSB-04-D			SHSB-05-A			SHSB-05-B			SHSB-05-C			SHSB-05-D		
		Location	SHSB-04			SHSB-04			SHSB-05			SHSB-05			SHSB-05			SHSB-05		
		Sample Date	12/7/2007			12/7/2007			12/7/2007			12/7/2007			12/7/2007			12/7/2007		
		Depth	20 to 22 ft			40 to 42 ft			0 to 1 ft			9 to 11 ft			23 to 24 ft			40 to 42 ft		
Chemical Name	Unit	SC																		
Copper	mg/kg	310	91.9		#	114		#	81.7		#	43.6		#	47.1		#	71.8		#
Cyanide	mg/kg	4.7	3.4	U		2.9	U		3.2	U		3.6	U		3.4	U		3.1	U	
Iron	mg/kg	5400	**54500**		A	**49800**		A	**35800**		A	**31200**		A	**35000**		A	**35700**		A
Lead	mg/kg	280	1.3	UJ		1.1	UJ		1.7	J	#	1.4	U		1.4	U		1.3	U	
Magnesium	mg/kg	N/A	4430		~	11800		~	8660		~	1490		~	1100		~	9460		~
Manganese	mg/kg	21	**299**	J	A	**1110**	J	A	**661**	J	A	**1710**		A	**135**		A	**739**		A
Mercury	mg/kg	2	0.064	J	#	0.045	J	#	0.054	J	#	0.17		#	0.14	U		0.046	J	#
Nickel	mg/kg	150	12.2		#	31		#	28.8		#	7.9		#	8.7		#	24.5		#
Potassium	mg/kg	N/A	232	J	~	371	J	~	383	J	~	105	J	~	50.4	J	~	148	J	~
Selenium	mg/kg	5.2	4.7	UJ		4	UJ		4.4	UJ		5	UJ		4.7	UJ		4.4	UJ	
Silver	mg/kg	12	5.5	J	#	5.1	J	#	3.5	J	#	3.7	J	#	4	J	#	4	J	#
Sodium	mg/kg	N/A	183	J	~	303	J	~	169	J	~	109	J	~	52.5	J	~	189	J	~
Thallium	mg/kg	0.08	0.68	U		0.58	U		0.64	U		0.72	U		0.68	U		3.1	U	
Vanadium	mg/kg	39	**211**		A	**151**		A	**183**		A	**114**		A	**120**		A	**113**		A
Zinc	mg/kg	2300	41.6		#	58.2		#	62.1		#	37.5		#	18		#	40.3		#
ASTMD422																				
% CLAY & COLLOIDS	%																			
% Coarse Sand >0.42 - 2.0 mm	%																			
% FINE SAND >.125 - .25 MM	%																			
% GRANULE & LARGER >2 MM	%																			
% MEDIUM SAND >.25 - .5 MM	%																			
% SILT	%																			
% VERY COURSE SAND >1 - 2 MM	%																			
% VERY FINE SAND >.0625 - .125 MM	%																			
%Silt + % Clay/Colloids (%Total Fines)	%																			
Additional Parameters																				

Shellfoam Properties - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SHSB-04-C			SHSB-04-D			SHSB-05-A			SHSB-05-B			SHSB-05-C			SHSB-05-D		
		Location	SHSB-04			SHSB-04			SHSB-05			SHSB-05			SHSB-05			SHSB-05		
		Sample Date	12/7/2007			12/7/2007			12/7/2007			12/7/2007			12/7/2007			12/7/2007		
		Depth	20 to 22 ft			40 to 42 ft			0 to 1 ft			9 to 11 ft			23 to 24 ft			40 to 42 ft		
Chemical Name	Unit	SC																		
% GRANULE & LARGER >2 MM	%	N/A																		
% VERY COURSE SAND >1 - 2 MM	%	N/A																		
% COARSE SAND >.5 - 1 MM	%	N/A																		
% MEDIUM SAND >.25 - .5 MM	%	N/A																		
% FINE SAND >.125 - .25 MM	%	N/A																		
% VERY FINE SAND >.0625 - .125 MM	%	N/A																		
% SILT	%	N/A																		
% CLAY & COLLOIDS	%	N/A																		
pH	s.u.	N/A																		
Total Organic Carbon	mg/Kg	N/A																		

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Comparison

Flag

Shellfoam Properties - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SHSB-04-C			SHSB-04-D			SHSB-05-A			SHSB-05-B			SHSB-05-C			SHSB-05-D		
		Location	SHSB-04			SHSB-04			SHSB-05			SHSB-05			SHSB-05			SHSB-05		
		Sample Date	12/7/2007			12/7/2007			12/7/2007			12/7/2007			12/7/2007			12/7/2007		
		Depth	20 to 22 ft			40 to 42 ft			0 to 1 ft			9 to 11 ft			23 to 24 ft			40 to 42 ft		
Chemical Name	Unit	SC																		

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit
value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value
when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

Shellfoam Properties - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SHSB-06-A			SHSB-06-B			SHSB-06-C			SHSB-06-D			SHSB-07-A			SHSB-07-B		
		Location	SHSB-06			SHSB-06			SHSB-06			SHSB-06			SHSB-07			SHSB-07		
		Sample Date	12/7/2007			12/7/2007			12/7/2007			12/7/2007			12/6/2007			12/6/2007		
		Depth	0 to 1 ft			5 to 7 ft			41 to 43 ft			52 to 54 ft			0 to 2 ft			4 to 6 ft		
Chemical Name	Unit	SC										Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	5.6	U		7.2	U		6.4	U		5.2	U		440	U		6.8	U	
Chloromethane	ug/Kg	980	5.6	U		7.2	U		6.4	U		5.2	U		440	U		6.8	U	
Vinyl Chloride	ug/Kg	13.8	5.6	UJ		7.2	UJ		6.4	UJ		5.2	UJ		440	U		6.8	U	
Bromomethane	ug/Kg	36	5.6	U		7.2	U		6.4	U		5.2	U		440	U		6.8	U	
Chloroethane	ug/Kg	118000	5.6	U		7.2	U		6.4	U		5.2	U		440	U		6.8	U	
Trichlorofluoromethane	ug/Kg	13800	5.6	U		7.2	U		6.4	U		5.2	U		440	U		6.8	U	
1,1-Dichloroethene	ug/Kg	50	5.6	U		7.2	U		6.4	U		5.2	U		440	U		6.8	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	5.6	U		7.2	U		6.4	U		5.2	U		440	U		6.8	U	
Acetone	ug/Kg	48000	69		#	130		#	19	U		14	U		1500		#	140		#
Carbon Disulfide	ug/Kg	4200	5.6	U		7.2	U		6.4	U		5.2	U		440	U		1.3	J	#
Methyl Acetate	ug/Kg	64000	5.6	U		7.2	U		6.4	U		5.2	U		480		#	6.8	U	
Methylene Chloride	ug/Kg	26	5.6	U		7.2	U		6.4	U		5.2	U		440	U		6.8	U	
trans-1,2-Dichloroethene	ug/Kg	580	5.6	U		7.2	U		6.4	U		5.2	U		440	U		6.8	U	
Methyl tert-Butyl Ether	ug/Kg	56	5.6	U		7.2	U		6.4	U		5.2	U		440	U		6.8	U	
1,1-Dichloroethane	ug/Kg	13.6	5.6	U		7.2	U		6.4	U		5.2	U		440	U		6.8	U	
cis-1,2-Dichloroethene	ug/Kg	420	5.6	U		7.2	U		6.4	U		5.2	U		440	U		6.8	U	
2-Butanone	ug/Kg	20000	6.5	J	#	13	J	#	13	U		10	U		760	J	#	14	U	
Chlorobromomethane	ug/Kg	420	5.6	U		7.2	U		6.4	U		5.2	U		440	U		6.8	U	
Chloroform	ug/Kg	290	5.6	U		7.2	U		6.4	U		5.2	U		440	U		6.8	U	
1,1,1-Trichloroethane	ug/Kg	1400	5.6	U		7.2	U		6.4	U		5.2	U		440	U		6.8	U	
Cyclohexane	ug/Kg	117000	5.6	U		7.2	U		6.4	U		5.2	U		440	U		34		#
Carbon Tetrachloride	ug/Kg	38	5.6	U		7.2	U		6.4	U		5.2	U		440	U		6.8	U	
Benzene	ug/Kg	52	5.6	U		7.2	U		6.4	U		5.2	U		440	U		8.9		#
1,2-Dichloroethane	ug/Kg	28	5.6	U		7.2	U		6.4	U		5.2	U		440	U		6.8	U	
1,4-Dioxane	ug/Kg	2.8	110	R		140	R		130	R		100	R		8900	R		140	R	
Trichloroethene	ug/Kg	36	5.6	U		7.2	U		6.4	U		5.2	U		440	U		6.8	U	

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		Sample Code	SHSB-06-A			SHSB-06-B			SHSB-06-C			SHSB-06-D			SHSB-07-A			SHSB-07-B		
		Location	SHSB-06			SHSB-06			SHSB-06			SHSB-06			SHSB-07			SHSB-07		
		Sample Date	12/7/2007			12/7/2007			12/7/2007			12/7/2007			12/6/2007			12/6/2007		
		Depth	0 to 1 ft			5 to 7 ft			41 to 43 ft			52 to 54 ft			0 to 2 ft			4 to 6 ft		
Chemical Name	Unit	SC										Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	5.6	U		7.2	U		6.4	U		5.2	U		650		~	130		~
1,2-Dichloropropane	ug/Kg	34	5.6	U		7.2	U		6.4	U		5.2	U		440	U		6.8	U	
Bromodichloromethane	ug/Kg	270	5.6	U		7.2	U		6.4	U		5.2	U		440	U		6.8	U	
cis-1,3-Dichloropropene	ug/Kg	3	5.6	U		7.2	U		6.4	U		5.2	U		440	U		6.8	U	
4-Methyl-2-pentanone	ug/Kg	4600	11	U		14	U		13	U		10	U		890	U		14	U	
Toluene	ug/Kg	13800	5.6	U		7.2	U		6.4	U		5.2	U		440	U		6.8	U	
trans-1,3-Dichloropropene	ug/Kg	3	5.6	U		7.2	U		6.4	U		5.2	U		440	U		6.8	U	
1,1,2-Trichloroethane	ug/Kg	32	5.6	U		7.2	U		6.4	U		5.2	U		440	U		6.8	U	
Tetrachloroethene	ug/Kg	46	5.6	U		7.2	U		6.4	U		5.2	U		440	U		6.8	U	
2-Hexanone	ug/Kg	158	11	U		14	U		13	U		10	U		890	U		14	U	
Dibromochloromethane	ug/Kg	420	5.6	U		7.2	U		6.4	U		5.2	U		440	U		6.8	U	
1,2-Dibromoethane	ug/Kg	0.28	5.6	U		7.2	U		6.4	U		5.2	U		440	U		6.8	U	
Chlorobenzene	ug/Kg	1360	47		#	7.2	U		6.4	U		5.2	U		440	U		6.8	U	
Ethylbenzene	ug/Kg	5400	5.6	U		7.2	U		6.4	U		5.2	U		3100		#	160		#
o-Xylene	ug/Kg	3800	5.6	U		7.2	U		6.4	U		5.2	U		440	U		6.8	U	
m,p-Xylene	ug/Kg	3600	5.6	U		7.2	U		6.4	U		5.2	U		440	U		6.8	U	
Styrene	ug/Kg	2200	5.6	U		7.2	U		6.4	U		5.2	U		440	U		6.8	U	
Bromoform	ug/Kg	420	5.6	U		7.2	U		6.4	U		5.2	U		440	U		6.8	U	
Isopropylbenzene	ug/Kg	12800	5.6	U		7.2	U		6.4	U		5.2	U		2000		#	85		#
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	5.6	U		7.2	U		6.4	U		5.2	U		440	U		6.8	U	
1,3-Dichlorobenzene	ug/Kg	N/A	0.63	J	~	7.2	U		6.4	U		5.2	U		440	U		6.8	U	
1,4-Dichlorobenzene	ug/Kg	1440	35		#	12		#	6.4	U		5.2	U		440	U		6.8	U	
1,2-Dichlorobenzene	ug/Kg	11600	17		#	5.8	J	#	6.4	U		5.2	U		440	U		6.8	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	5.6	U		7.2	U		6.4	U		5.2	U		440	U		6.8	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	5.6	U		7.2	U		6.4	U		5.2	U		440	U		6.8	U	
1,2,3-Trichlorobenzene	ug/Kg	300	5.6	U		7.2	U		6.4	U		5.2	U		440	U		6.8	U	
Semi-Volatile Organic Compounds																				

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		Sample Code	SHSB-06-A			SHSB-06-B			SHSB-06-C			SHSB-06-D			SHSB-07-A			SHSB-07-B		
		Location	SHSB-06			SHSB-06			SHSB-06			SHSB-06			SHSB-07			SHSB-07		
		Sample Date	12/7/2007			12/7/2007			12/7/2007			12/7/2007			12/6/2007			12/6/2007		
		Depth	0 to 1 ft			5 to 7 ft			41 to 43 ft			52 to 54 ft			0 to 2 ft			4 to 6 ft		
Chemical Name	Unit	SC										Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/Kg	6600	230	U		270	U		250	U		200	U		720	U		720	U	
Phenol	ug/Kg	52000	230	U		270	U		250	U		200	U		720	U		720	U	
bis(2-Chloroethyl) ether	ug/Kg	0.06	230	U		270	U		250	U		200	U		720	U		720	U	
2-Chlorophenol	ug/Kg	1140	230	U		270	U		250	U		200	U		720	U		720	U	
2-Methylphenol	ug/Kg	11600	230	U		270	U		250	U		200	U		720	U		720	U	
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	230	U		270	U		250	U		200	U		720	U		720	U	
Acetophenone	ug/Kg	9000	230	U		270	U		250	U		200	U		720	U		720	U	
4-Methylphenol	ug/Kg	22000	230	U		270	U		250	U		200	U		720	U		720	U	
n-Nitroso-di-n-propylamine	ug/Kg	0.14	230	UJ		270	UJ		250	UJ		200	UJ		720	U		720	U	
Hexachloroethane	ug/Kg	9.6	230	U		270	U		250	U		200	U		720	U		720	U	
Nitrobenzene	ug/Kg	1.58	230	UJ		270	UJ		250	UJ		200	UJ		720	U		720	U	
Isophorone	ug/Kg	440	230	U		270	U		250	U		200	U		720	U		720	U	
2-Nitrophenol	ug/Kg	N/A	230	U		270	U		250	U		200	U		720	U		720	U	
2,4-Dimethylphenol	ug/Kg	6400	230	U		270	U		250	U		200	U		720	U		720	U	
bis(2-Chloroethoxy)methane	ug/Kg	220	230	U		270	U		250	U		200	U		720	U		720	U	
2,4-Dichlorophenol	ug/Kg	820	230	U		270	U		250	U		200	U		720	U		720	U	
Naphthalene	ug/Kg	9.4	230	U		270	U		250	U		200	U		**1800**		A	**1100**		A
4-Chloroaniline	ug/Kg	2.6	230	U		270	U		250	U		200	U		720	U		720	U	
Hexachlorobutadiene	ug/Kg	10	230	U		270	U		250	U		200	U		720	U		720	U	
Caprolactam	ug/Kg	38000	230	U		270	U		250	U		200	U		720	U		720	U	
4-Chloro-3-methylphenol	ug/Kg	26000	230	U		270	U		250	U		200	U		720	U		720	U	
2-Methylnaphthalene	ug/Kg	2800	230	U		270	U		250	U		200	U		**7600**		A	**6400**		A
Hexachlorocyclopentadiene	ug/Kg	3200	230	U		270	U		250	U		200	U		720	U		720	U	
2,4,6-Trichlorophenol	ug/Kg	260	230	U		270	U		250	U		200	U		720	U		720	U	
2,4,5-Trichlorophenol	ug/Kg	66000	230	U		270	U		250	U		200	U		720	U		720	U	
1,1'-Biphenyl	ug/Kg	174	230	U		270	U		250	U		200	U		720	U		720	U	
2-Chloronaphthalene	ug/Kg	58000	230	U		270	U		250	U		200	U		720	U		720	U	
2-Nitroaniline	ug/Kg	1240	450	U		520	U		480	U		380	U		1400	U		1400	U	

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		Sample Code	SHSB-06-A			SHSB-06-B			SHSB-06-C			SHSB-06-D			SHSB-07-A			SHSB-07-B		
		Location	SHSB-06			SHSB-06			SHSB-06			SHSB-06			SHSB-07			SHSB-07		
		Sample Date	12/7/2007			12/7/2007			12/7/2007			12/7/2007			12/6/2007			12/6/2007		
		Depth	0 to 1 ft			5 to 7 ft			41 to 43 ft			52 to 54 ft			0 to 2 ft			4 to 6 ft		
Chemical Name	Unit	SC										Result	Q	C	Result	Q	C	Result	Q	C
Dimethylphthalate	ug/Kg	N/A	230	U		270	U		250	U		200	U		720	U		720	U	
2,6-Dinitrotoluene	ug/Kg	400	230	U		270	U		250	U		200	U		720	U		720	U	
Acenaphthylene	ug/Kg	N/A	230	U		270	U		250	U		200	U		720	U		720	U	
3-Nitroaniline	ug/Kg	N/A	450	U		520	U		480	U		380	U		1400	U		1400	U	
Acenaphthene	ug/Kg	82000	230	U		270	U		250	U		200	U		590	J	#	640	J	#
2,4-Dinitrophenol	ug/Kg	680	450	U		520	U		480	U		380	U		1400	U		1400	U	
4-Nitrophenol	ug/Kg	N/A	450	U		520	U		480	U		380	U		1400	U		1400	U	
Dibenzofuran	ug/Kg	N/A	230	U		270	U		250	U		200	U		440	J	~	390	J	~
2,4-Dinitrotoluene	ug/Kg	5.6	230	U		270	U		250	U		200	U		720	U		720	U	
Diethylphthalate	ug/Kg	94000	230	U		270	U		250	U		200	U		720	U		720	U	
Fluorene	ug/Kg	80000	230	U		270	U		250	U		200	U		1300		#	1200		#
4-Chlorophenyl-phenylether	ug/Kg	N/A	230	U		270	U		250	U		200	U		720	U		720	U	
4-Nitroaniline	ug/Kg	28	450	U		520	U		480	U		380	U		1400	U		1400	U	
4,6-Dinitro-2-methylphenol	ug/Kg	40	450	U		520	U		480	U		380	U		1400	U		1400	U	
n-Nitrosodiphenylamine	ug/Kg	1140	230	U		270	U		250	U		200	U		720	U		**2900**		A
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	230	U		270	U		250	U		200	U		720	U		720	U	
4-Bromophenyl-phenylether	ug/Kg	N/A	230	U		270	U		250	U		200	U		720	U		720	U	
Hexachlorobenzene	ug/Kg	260	230	U		270	U		250	U		200	U		720	U		720	U	
Atrazine	ug/Kg	38	230	U		270	U		250	U		200	U		720	U		720	U	
Pentachlorophenol	ug/Kg	200	450	U		520	U		480	U		380	U		1400	U		1400	U	
Phenanthrene	ug/Kg	N/A	230	U		270	U		250	U		200	U		2900		~	3000		~
Anthracene	ug/Kg	840000	230	U		270	U		250	U		200	U		240	J	#	250	J	#
Carbazole	ug/Kg	N/A	230	U		270	U		250	U		200	U		720	U		720	U	
Di-n-butylphthalate	ug/Kg	34000	230	U		270	U		250	U		200	U		720	U		720	U	
Fluoranthene	ug/Kg	230000	230	U		270	U		250	U		200	U		720	U		720	U	
Pyrene	ug/Kg	170000	230	U		270	U		250	U		200	U		1100		#	800		#
Butylbenzylphthalate	ug/Kg	4000	230	U		270	U		250	U		200	U		720	U		720	U	
3,3'-Dichlorobenzidine	ug/Kg	14.2	230	U		270	U		250	U		200	U		720	U		720	U	

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		Sample Code	SHSB-06-A			SHSB-06-B			SHSB-06-C			SHSB-06-D			SHSB-07-A			SHSB-07-B		
		Location	SHSB-06			SHSB-06			SHSB-06			SHSB-06			SHSB-07			SHSB-07		
		Sample Date	12/7/2007			12/7/2007			12/7/2007			12/7/2007			12/6/2007			12/6/2007		
		Depth	0 to 1 ft			5 to 7 ft			41 to 43 ft			52 to 54 ft			0 to 2 ft			4 to 6 ft		
Chemical Name	Unit	SC										Result	Q	C	Result	Q	C	Result	Q	C
Benzo(a)anthracene	ug/Kg	150	230	U		270	U		250	U		200	U		**370**	J	A	**280**	J	A
Chrysene	ug/Kg	15000	230	U		270	U		250	U		200	U		640	J	#	460	J	#
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	230	U		270	U		400	U		200	U		720	U		730	U	
Di-n-octylphthalate	ug/Kg	N/A	230	U		270	U		250	U		200	U		720	U		720	U	
Benzo(b)fluoranthene	ug/Kg	150	230	U		270	U		250	U		200	U		720	U		720	U	
Benzo(k)fluoranthene	ug/Kg	1500	230	UJ		270	UJ		250	UJ		200	UJ		720	U		720	U	
Benzo(a)pyrene	ug/Kg	15	230	U		270	U		250	U		200	U		**210**	J	A	720	U	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	230	U		270	U		250	U		200	U		720	U		720	U	
Dibenz(a,h)anthracene	ug/Kg	15	230	U		270	U		250	U		200	U		720	U		720	U	
Benzo(g,h,i)perylene	ug/Kg	N/A	230	U		270	U		250	U		200	U		720	U		720	U	
Chlorophenols	ug/Kg	22000	230	U		270	U		250	U		200	U		720	U		720	U	
PCBs																				
Aroclor-1016	ug/Kg	390	45	U		52	U		48	U		38	U		46	U		46	U	
Aroclor-1221	ug/Kg	1.48	45	U		52	U		48	U		38	U		46	U		46	U	
Aroclor-1232	ug/Kg	1.48	45	U		52	U		48	U		38	U		46	U		46	U	
Aroclor-1242	ug/Kg	106	45	U		52	U		48	U		38	U		46	U		46	U	
Aroclor-1248	ug/Kg	104	45	U		52	U		48	U		38	U		46	U		46	U	
Aroclor-1254	ug/Kg	110	45	U		52	U		48	U		38	U		46	U		46	U	
Aroclor-1260	ug/Kg	220	45	U		52	U		48	U		38	U		46	U		46	U	
Aroclor-1262	ug/Kg	220	45	U		52	U		48	U		38	U		46	U		46	U	
Aroclor-1268	ug/Kg	220	45	U		52	U		48	U		38	U		46	U		46	U	
Pesticides																				
alpha-BHC	ug/Kg	0.72	2.3	U		2.7	U		2.5	U		2	U		**1.9**	J	A	2.4	U	
beta-BHC	ug/Kg	2.6	2.3	U		2.7	U		2.5	U		2	U		6.4	R		3.2	R	
delta-BHC	ug/Kg	N/A	2.3	U		2.7	U		2.5	U		2	U		0.89	J	~	2.4	U	
gamma-BHC (Lindane)	ug/Kg	24	2.3	U		2.7	U		2.5	U		2	U		1.8	J	#	2.4	U	

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		Sample Code	SHSB-06-A			SHSB-06-B			SHSB-06-C			SHSB-06-D			SHSB-07-A			SHSB-07-B		
		Location	SHSB-06			SHSB-06			SHSB-06			SHSB-06			SHSB-07			SHSB-07		
		Sample Date	12/7/2007			12/7/2007			12/7/2007			12/7/2007			12/6/2007			12/6/2007		
		Depth	0 to 1 ft			5 to 7 ft			41 to 43 ft			52 to 54 ft			0 to 2 ft			4 to 6 ft		
Chemical Name	Unit	SC										Result	Q	C	Result	Q	C	Result	Q	C
Heptachlor	ug/Kg	110	2.3	U		2.7	U		2.5	U		2	U		1.6	J	#	1.2	J	#
Aldrin	ug/Kg	0.68	2.3	U		2.7	U		2.5	U		2	U		2.4	U		2.4	U	
Heptachlor epoxide	ug/Kg	53	2.3	U		2.7	U		2.5	U		2	U		2.4	U		2.4	U	
Endosulfan I	ug/Kg	22000	2.3	U		2.7	U		2.5	U		2	U		2.4	U		2.4	U	
Dieldrin	ug/Kg	1.22	4.5	U		5.2	U		4.8	U		3.8	U		4.6	U		4.6	U	
4,4'-DDE	ug/Kg	920	4.5	U		5.2	U		4.8	U		3.8	U		4.6	U		4.6	U	
Endrin	ug/Kg	1620	4.5	U		5.2	U		4.8	U		3.8	U		4.6	U		1.2	J	#
Endosulfan II	ug/Kg	22000	4.5	U		5.2	U		4.8	U		3.8	U		4.6	U		4.6	U	
4,4'-DDD	ug/Kg	1320	4.5	U		5.2	U		4.8	U		3.8	U		4.6	U		2.6	J	#
Endosulfan sulfate	ug/Kg	22000	4.5	U		5.2	U		4.8	U		3.8	U		4.6	U		4.6	U	
4,4'-DDT	ug/Kg	1340	4.5	U		5.2	U		4.8	U		3.8	U		4.6	U		3.8	J	#
Methoxychlor	ug/Kg	31000	23	U		27	U		25	U		20	U		24	U		24	U	
Endrin ketone	ug/Kg	1620	4.5	U		5.2	U		4.8	U		3.8	U		4.6	U		4.6	U	
Endrin aldehyde	ug/Kg	1620	4.5	U		5.2	U		4.8	U		3.8	U		4.6	U		4.6	U	
alpha-Chlordane	ug/Kg	1600	2.3	U		2.7	U		2.5	U		2	U		2.4	U		4.2		#
gamma-Chlordane	ug/Kg	1600	2.3	U		2.7	U		2.5	U		2	U		2.4	U		2.6	R	
Toxaphene	ug/Kg	440	230	U		270	U		250	U		200	U		240	U		240	U	
Inorganic Analytes																				
Aluminum	mg/kg	7700	**35200**		A	**34500**		A	**12200**		A	**10900**		A	**17500**		A	**9440**		A
Antimony	mg/kg	3.1	4.2	U		4.6	U		4.2	U		3.4	U		4.4	U		4.4	U	
Arsenic	mg/kg	0.39	1.4	U		1.6	U		**1.2**	J	A	**1.3**		A	**1.8**		A	**1.7**		A
Barium	mg/kg	1500	301		#	87.2		#	125		#	37.9		#	125		#	75.5		#
Beryllium	mg/kg	16	0.69	U		0.78	U		0.72	U		0.58	U		0.72	U		0.72	U	
Cadmium	mg/kg	7	1.9		#	1.7		#	0.6	J	#	0.37	J	#	1.1		#	0.81		#
Calcium	mg/kg	N/A	7820		~	2320		~	692	J	~	4670		~	3360		~	2190		~
Chromium	mg/kg	0.29	**55.8**		A	**36.7**		A	**28**		A	**27.4**		A	**32.5**		A	**19.3**		A
Cobalt	mg/kg	2.3	**30.5**		A	**20.9**		A	**36.3**		A	**12.6**		A	**25**		A	**17**		A

Shellfoam Properties - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SHSB-06-A			SHSB-06-B			SHSB-06-C			SHSB-06-D			SHSB-07-A			SHSB-07-B		
		Location	SHSB-06			SHSB-06			SHSB-06			SHSB-06			SHSB-07			SHSB-07		
		Sample Date	12/7/2007			12/7/2007			12/7/2007			12/7/2007			12/6/2007			12/6/2007		
		Depth	0 to 1 ft			5 to 7 ft			41 to 43 ft			52 to 54 ft			0 to 2 ft			4 to 6 ft		
Chemical Name	Unit	SC										Result	Q	C	Result	Q	C	Result	Q	C
Copper	mg/kg	310	149		#	121		#	85		#	49.6		#	71.3		#	41.8		#
Cyanide	mg/kg	4.7	3.5	U		3.9	U		3.6	U		2.9	U		3.6	U		3.6	U	
Iron	mg/kg	5400	**58700**		A	**58700**		A	**30300**		A	**21900**		A	**38100**		A	**34700**		A
Lead	mg/kg	280	1.4	U		1.6	U		1.4	U		1.2	U		1.7		#	5.7		#
Magnesium	mg/kg	N/A	14700		~	8660		~	4000		~	6440		~	4990		~	1780		~
Manganese	mg/kg	21	**1030**		A	**691**		A	**456**		A	**386**		A	**1690**		A	**1370**		A
Mercury	mg/kg	2	0.045	J	#	0.12	J	#	0.058	J	#	0.11	U		0.11	J	#	0.13	J	#
Nickel	mg/kg	150	29.9		#	13.6		#	9.6		#	10.5		#	28.2		#	31.1		#
Potassium	mg/kg	N/A	410	J	~	339	J	~	29.8	J	~	81.3	J	~	639	J	~	256	J	~
Selenium	mg/kg	5.2	4.8	UJ		5.4	UJ		5	UJ		4	UJ		5	UJ		5	UJ	
Silver	mg/kg	12	6.2	J	#	6.2	J	#	3.3	J	#	2.4	J	#	4.7	J	#	4	J	#
Sodium	mg/kg	N/A	448	J	~	502	J	~	142	J	~	25.7	J	~	2300	J	~	626	J	~
Thallium	mg/kg	0.08	0.7	U		0.76	U		0.72	U		0.58	U		0.72	U		0.7	U	
Vanadium	mg/kg	39	**189**		A	**196**		A	**90.6**		A	**64.1**		A	**247**		A	**144**		A
Zinc	mg/kg	2300	78.3		#	43.1		#	36.5		#	25		#	81.8		#	139		#
ASTMD422																				
% CLAY & COLLOIDS	%																			
% Coarse Sand >0.42 - 2.0 mm	%																			
% FINE SAND >.125 - .25 MM	%																			
% GRANULE & LARGER >2 MM	%																			
% MEDIUM SAND >.25 - .5 MM	%																			
% SILT	%																			
% VERY COURSE SAND >1 - 2 MM	%																			
% VERY FINE SAND >.0625 - .125 MM	%																			
%Silt + % Clay/Colloids (%Total Fines)	%																			
Additional Parameters																				

Shellfoam Properties - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SHSB-06-A			SHSB-06-B			SHSB-06-C			SHSB-06-D			SHSB-07-A			SHSB-07-B		
		Location	SHSB-06			SHSB-06			SHSB-06			SHSB-06			SHSB-07			SHSB-07		
		Sample Date	12/7/2007			12/7/2007			12/7/2007			12/7/2007			12/6/2007			12/6/2007		
		Depth	0 to 1 ft			5 to 7 ft			41 to 43 ft			52 to 54 ft			0 to 2 ft			4 to 6 ft		
Chemical Name	Unit	SC										Result	Q	C	Result	Q	C	Result	Q	C
% GRANULE & LARGER >2 MM	%	N/A																		
% VERY COURSE SAND >1 - 2 MM	%	N/A																		
% COARSE SAND >.5 - 1 MM	%	N/A																		
% MEDIUM SAND >.25 - .5 MM	%	N/A																		
% FINE SAND >.125 - .25 MM	%	N/A																		
% VERY FINE SAND >.0625 - .125 MM	%	N/A																		
% SILT	%	N/A																		
% CLAY & COLLOIDS	%	N/A																		
pH	s.u.	N/A																		
Total Organic Carbon	mg/Kg	N/A																		

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Comparison Flag

Shellfoam Properties - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SHSB-06-A			SHSB-06-B			SHSB-06-C			SHSB-06-D			SHSB-07-A			SHSB-07-B		
		Location	SHSB-06			SHSB-06			SHSB-06			SHSB-06			SHSB-07			SHSB-07		
		Sample Date	12/7/2007			12/7/2007			12/7/2007			12/7/2007			12/6/2007			12/6/2007		
		Depth	0 to 1 ft			5 to 7 ft			41 to 43 ft			52 to 54 ft			0 to 2 ft			4 to 6 ft		
Chemical Name	Unit	SC										Result	Q	C	Result	Q	C	Result	Q	C

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

Shellfoam Properties - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SHSB-08-A			SHSB-09-A			SHSB-10-A		
		Location	SHSB-08			SHSB-09			SHSB-10		
		Sample Date	12/7/2007			12/10/2007			12/10/2007		
		Depth	2 to 4 ft			2 to 4 ft			2 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds											
Dichlorodifluoromethane	ug/Kg	6000	5.8	U		6.2	U		6.2	U	
Chloromethane	ug/Kg	980	5.8	U		6.2	U		6.2	U	
Vinyl Chloride	ug/Kg	13.8	5.8	UJ		6.2	U		6.2	U	
Bromomethane	ug/Kg	36	5.8	U		6.2	U		6.2	U	
Chloroethane	ug/Kg	118000	5.8	U		6.2	U		6.2	U	
Trichlorofluoromethane	ug/Kg	13800	5.8	U		6.2	U		6.2	U	
1,1-Dichloroethene	ug/Kg	50	5.8	U		6.2	U		6.2	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	5.8	U		6.2	U		6.2	U	
Acetone	ug/Kg	48000	26		#	13	UJ		83		#
Carbon Disulfide	ug/Kg	4200	5.8	U		6.2	U		6.2	U	
Methyl Acetate	ug/Kg	64000	5.8	U		6.2	U		6.2	U	
Methylene Chloride	ug/Kg	26	5.8	U		6.2	U		6.2	U	
trans-1,2-Dichloroethene	ug/Kg	580	5.8	U		6.2	U		6.2	U	
Methyl tert-Butyl Ether	ug/Kg	56	5.8	U		6.2	U		6.2	U	
1,1-Dichloroethane	ug/Kg	13.6	5.8	U		6.2	U		6.2	U	
cis-1,2-Dichloroethene	ug/Kg	420	5.8	U		6.2	U		6.2	U	
2-Butanone	ug/Kg	20000	12	U		9.7	J	#	9.2	J	#
Chlorobromomethane	ug/Kg	420	5.8	U		6.2	U		6.2	U	
Chloroform	ug/Kg	290	5.8	U		6.2	U		6.2	U	
1,1,1-Trichloroethane	ug/Kg	1400	5.8	U		6.2	U		6.2	U	
Cyclohexane	ug/Kg	117000	5.8	U		6.2	U		6.2	U	
Carbon Tetrachloride	ug/Kg	38	5.8	U		6.2	U		6.2	U	
Benzene	ug/Kg	52	5.8	U		6.2	U		6.2	U	
1,2-Dichloroethane	ug/Kg	28	5.8	U		6.2	U		6.2	U	
1,4-Dioxane	ug/Kg	2.8	120	R		120	R		120	R	
Trichloroethene	ug/Kg	36	5.8	U		6.2	U		6.2	U	

Shellfoam Properties - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SHSB-08-A			SHSB-09-A			SHSB-10-A		
		Location	SHSB-08			SHSB-09			SHSB-10		
		Sample Date	12/7/2007			12/10/2007			12/10/2007		
		Depth	2 to 4 ft			2 to 4 ft			2 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	5.8	U		6.2	U		6.2	U	
1,2-Dichloropropane	ug/Kg	34	5.8	U		6.2	U		6.2	U	
Bromodichloromethane	ug/Kg	270	5.8	U		6.2	U		6.2	U	
cis-1,3-Dichloropropene	ug/Kg	3	5.8	U		6.2	U		6.2	U	
4-Methyl-2-pentanone	ug/Kg	4600	12	U		12	U		12	U	
Toluene	ug/Kg	13800	5.8	U		6.2	U		6.2	U	
trans-1,3-Dichloropropene	ug/Kg	3	5.8	U		6.2	U		6.2	U	
1,1,2-Trichloroethane	ug/Kg	32	5.8	U		6.2	U		6.2	U	
Tetrachloroethene	ug/Kg	46	5.8	U		6.2	U		6.2	U	
2-Hexanone	ug/Kg	158	12	U		12	U		12	U	
Dibromochloromethane	ug/Kg	420	5.8	U		6.2	U		6.2	U	
1,2-Dibromoethane	ug/Kg	0.28	5.8	U		6.2	U		6.2	U	
Chlorobenzene	ug/Kg	1360	5.8	U		6.2	U		6.2	U	
Ethylbenzene	ug/Kg	5400	5.8	U		6.2	U		6.2	U	
o-Xylene	ug/Kg	3800	5.8	U		6.2	U		6.2	U	
m,p-Xylene	ug/Kg	3600	5.8	U		6.2	U		6.2	U	
Styrene	ug/Kg	2200	5.8	U		6.2	U		6.2	U	
Bromoform	ug/Kg	420	5.8	U		6.2	R		6.2	U	
Isopropylbenzene	ug/Kg	12800	5.8	U		6.2	U		6.2	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	5.8	U		6.2	U		6.2	U	
1,3-Dichlorobenzene	ug/Kg	N/A	5.8	U		6.2	R		6.2	U	
1,4-Dichlorobenzene	ug/Kg	1440	5.8	U		2.3	J	#	1.1	J	#
1,2-Dichlorobenzene	ug/Kg	11600	5.8	U		6.2	R		6.2	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	5.8	U		6.2	R		6.2	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	5.8	U		6.2	R		6.2	UJ	
1,2,3-Trichlorobenzene	ug/Kg	300	5.8	U		6.2	R		6.2	U	
Semi-Volatile Organic Compounds											

Shellfoam Properties - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SHSB-08-A			SHSB-09-A			SHSB-10-A		
		Location	SHSB-08			SHSB-09			SHSB-10		
		Sample Date	12/7/2007			12/10/2007			12/10/2007		
		Depth	2 to 4 ft			2 to 4 ft			2 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/Kg	6600	240	U		230	U		220	U	
Phenol	ug/Kg	52000	240	U		230	U		220	U	
bis(2-Chloroethyl) ether	ug/Kg	0.06	240	U		230	U		220	U	
2-Chlorophenol	ug/Kg	1140	240	U		230	U		220	U	
2-Methylphenol	ug/Kg	11600	240	U		230	U		220	U	
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	240	U		230	U		220	U	
Acetophenone	ug/Kg	9000	240	U		230	U		220	U	
4-Methylphenol	ug/Kg	22000	240	U		230	U		220	U	
n-Nitroso-di-n-propylamine	ug/Kg	0.14	240	UJ		230	UJ		220	UJ	
Hexachloroethane	ug/Kg	9.6	240	U		230	U		220	U	
Nitrobenzene	ug/Kg	1.58	240	UJ		230	UJ		220	UJ	
Isophorone	ug/Kg	440	240	U		230	U		220	U	
2-Nitrophenol	ug/Kg	N/A	240	U		230	U		220	U	
2,4-Dimethylphenol	ug/Kg	6400	240	U		230	U		220	U	
bis(2-Chloroethoxy)methane	ug/Kg	220	240	U		230	U		220	U	
2,4-Dichlorophenol	ug/Kg	820	240	U		230	U		220	U	
Naphthalene	ug/Kg	9.4	240	U		230	U		220	U	
4-Chloroaniline	ug/Kg	2.6	240	U		230	U		220	U	
Hexachlorobutadiene	ug/Kg	10	240	U		230	U		220	U	
Caprolactam	ug/Kg	38000	240	U		230	U		220	U	
4-Chloro-3-methylphenol	ug/Kg	26000	240	U		230	U		220	U	
2-Methylnaphthalene	ug/Kg	2800	240	U		230	U		220	U	
Hexachlorocyclopentadiene	ug/Kg	3200	240	U		230	U		220	U	
2,4,6-Trichlorophenol	ug/Kg	260	240	U		230	U		220	U	
2,4,5-Trichlorophenol	ug/Kg	66000	240	U		230	U		220	U	
1,1'-Biphenyl	ug/Kg	174	240	U		230	U		220	U	
2-Chloronaphthalene	ug/Kg	58000	240	U		230	U		220	U	
2-Nitroaniline	ug/Kg	1240	460	U		450	U		430	U	

Shellfoam Properties - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SHSB-08-A			SHSB-09-A			SHSB-10-A		
		Location	SHSB-08			SHSB-09			SHSB-10		
		Sample Date	12/7/2007			12/10/2007			12/10/2007		
		Depth	2 to 4 ft			2 to 4 ft			2 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Dimethylphthalate	ug/Kg	N/A	240	U		230	U		220	U	
2,6-Dinitrotoluene	ug/Kg	400	240	U		230	U		220	U	
Acenaphthylene	ug/Kg	N/A	240	U		230	U		220	U	
3-Nitroaniline	ug/Kg	N/A	460	U		450	U		430	U	
Acenaphthene	ug/Kg	82000	240	U		230	U		220	U	
2,4-Dinitrophenol	ug/Kg	680	460	U		450	U		430	U	
4-Nitrophenol	ug/Kg	N/A	460	U		450	U		430	U	
Dibenzofuran	ug/Kg	N/A	240	U		230	U		220	U	
2,4-Dinitrotoluene	ug/Kg	5.6	240	U		230	U		220	U	
Diethylphthalate	ug/Kg	94000	240	U		230	U		220	U	
Fluorene	ug/Kg	80000	240	U		230	U		220	U	
4-Chlorophenyl-phenylether	ug/Kg	N/A	240	U		230	U		220	U	
4-Nitroaniline	ug/Kg	28	460	U		450	U		430	U	
4,6-Dinitro-2-methylphenol	ug/Kg	40	460	U		450	U		430	U	
n-Nitrosodiphenylamine	ug/Kg	1140	240	U		230	U		220	U	
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	240	U		230	U		220	U	
4-Bromophenyl-phenylether	ug/Kg	N/A	240	U		230	U		220	U	
Hexachlorobenzene	ug/Kg	260	240	U		230	U		220	U	
Atrazine	ug/Kg	38	240	U		230	U		220	U	
Pentachlorophenol	ug/Kg	200	460	U		450	U		430	U	
Phenanthrene	ug/Kg	N/A	240	U		230	U		220	U	
Anthracene	ug/Kg	840000	240	U		230	U		220	U	
Carbazole	ug/Kg	N/A	240	U		230	U		220	U	
Di-n-butylphthalate	ug/Kg	34000	240	U		230	U		220	U	
Fluoranthene	ug/Kg	230000	240	U		230	U		220	U	
Pyrene	ug/Kg	170000	240	R		230	R		220	U	
Butylbenzylphthalate	ug/Kg	4000	240	R		230	R		220	U	
3,3'-Dichlorobenzidine	ug/Kg	14.2	240	R		230	R		220	U	

Shellfoam Properties - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SHSB-08-A			SHSB-09-A			SHSB-10-A		
		Location	SHSB-08			SHSB-09			SHSB-10		
		Sample Date	12/7/2007			12/10/2007			12/10/2007		
		Depth	2 to 4 ft			2 to 4 ft			2 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Benzo(a)anthracene	ug/Kg	150	240	R		230	R		220	U	
Chrysene	ug/Kg	15000	240	R		230	R		220	U	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	240	UJ		230	UJ		220	U	
Di-n-octylphthalate	ug/Kg	N/A	240	R		230	R		220	U	
Benzo(b)fluoranthene	ug/Kg	150	240	R		230	R		220	U	
Benzo(k)fluoranthene	ug/Kg	1500	240	R		230	R		220	UJ	
Benzo(a)pyrene	ug/Kg	15	240	R		230	R		220	U	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	240	R		230	R		220	U	
Dibenz(a,h)anthracene	ug/Kg	15	240	R		230	R		220	U	
Benzo(g,h,i)perylene	ug/Kg	N/A	240	R		230	R		220	U	
Chlorophenols	ug/Kg	22000	240	U		230	U		220	U	
PCBs											
Aroclor-1016	ug/Kg	390	46	U		45	U		43	U	
Aroclor-1221	ug/Kg	1.48	46	U		45	U		43	U	
Aroclor-1232	ug/Kg	1.48	46	U		45	U		43	U	
Aroclor-1242	ug/Kg	106	46	U		45	U		43	U	
Aroclor-1248	ug/Kg	104	46	U		45	U		43	U	
Aroclor-1254	ug/Kg	110	46	U		45	U		43	U	
Aroclor-1260	ug/Kg	220	46	U		45	U		43	U	
Aroclor-1262	ug/Kg	220	46	U		45	U		43	U	
Aroclor-1268	ug/Kg	220	46	U		45	U		43	U	
Pesticides											
alpha-BHC	ug/Kg	0.72	2.4	U		2.3	U		2.2	U	
beta-BHC	ug/Kg	2.6	2.4	U		2.3	U		2.2	U	
delta-BHC	ug/Kg	N/A	2.4	U		2.3	U		2.2	U	
gamma-BHC (Lindane)	ug/Kg	24	2.4	U		2.3	U		2.2	U	

Shellfoam Properties - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SHSB-08-A			SHSB-09-A			SHSB-10-A		
		Location	SHSB-08			SHSB-09			SHSB-10		
		Sample Date	12/7/2007			12/10/2007			12/10/2007		
		Depth	2 to 4 ft			2 to 4 ft			2 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Heptachlor	ug/Kg	110	2.4	U		2.3	U		2.2	U	
Aldrin	ug/Kg	0.68	2.4	U		2.3	U		2.2	U	
Heptachlor epoxide	ug/Kg	53	2.4	U		2.3	U		2.2	U	
Endosulfan I	ug/Kg	22000	2.4	U		2.3	U		2.2	U	
Dieldrin	ug/Kg	1.22	4.6	U		4.5	U		4.3	U	
4,4'-DDE	ug/Kg	920	4.6	U		4.5	U		4.3	U	
Endrin	ug/Kg	1620	4.6	U		4.5	U		4.3	U	
Endosulfan II	ug/Kg	22000	4.6	U		4.5	U		4.3	U	
4,4'-DDD	ug/Kg	1320	4.6	U		4.5	U		4.3	U	
Endosulfan sulfate	ug/Kg	22000	4.6	U		4.5	U		4.3	U	
4,4'-DDT	ug/Kg	1340	4.6	U		4.5	U		4.3	U	
Methoxychlor	ug/Kg	31000	24	U		23	U		22	U	
Endrin ketone	ug/Kg	1620	4.6	U		4.5	U		4.3	U	
Endrin aldehyde	ug/Kg	1620	4.6	U		4.5	U		4.3	U	
alpha-Chlordane	ug/Kg	1600	2.4	U		2.3	U		2.2	U	
gamma-Chlordane	ug/Kg	1600	2.4	U		2.3	U		2.2	U	
Toxaphene	ug/Kg	440	240	U		230	U		220	U	
Inorganic Analytes											
Aluminum	mg/kg	7700	**31000**		A	**26500**		A	**19100**		A
Antimony	mg/kg	3.1	4.2	U		2	U		2	U	
Arsenic	mg/kg	0.39	1.4	U		**0.72**	J	A	1.3	U	
Barium	mg/kg	1500	247		#	273		#	174		#
Beryllium	mg/kg	16	0.71	U		0.65	U		0.65	U	
Cadmium	mg/kg	7	1.8		#	0.65	U		0.65	U	
Calcium	mg/kg	N/A	5210		~	12500		~	8400		~
Chromium	mg/kg	0.29	**49.1**		A	**44.9**		A	**13.5**		A
Cobalt	mg/kg	2.3	**35**		A	**36.4**		A	**21.7**		A

Shellfoam Properties - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SHSB-08-A			SHSB-09-A			SHSB-10-A		
		Location	SHSB-08			SHSB-09			SHSB-10		
		Sample Date	12/7/2007			12/10/2007			12/10/2007		
		Depth	2 to 4 ft			2 to 4 ft			2 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Copper	mg/kg	310	158		#	152		#	87.9		#
Cyanide	mg/kg	4.7	3.5	U		3.3	R		0.49	R	
Iron	mg/kg	5400	**56300**		A	**45600**		A	**34900**		A
Lead	mg/kg	280	1.4	U		1.3	U		1.3	U	
Magnesium	mg/kg	N/A	11900		~	16600		~	11500		~
Manganese	mg/kg	21	**774**		A	**1710**	J	A	**724**	J	A
Mercury	mg/kg	2	0.058	J	#	0.13	U		0.13	U	
Nickel	mg/kg	150	30.4		#	30.1		#	13.5		#
Potassium	mg/kg	N/A	467	J	~	294	J	~	215	J	~
Selenium	mg/kg	5.2	5	UJ		4.6	U		4.6	U	
Silver	mg/kg	12	5.9	J	#	5.7	J	#	4.4	J	#
Sodium	mg/kg	N/A	956	J	~	989		~	652	U	
Thallium	mg/kg	0.08	0.7	U		0.33	U		0.33	U	
Vanadium	mg/kg	39	**213**		A	**150**		A	**138**		A
Zinc	mg/kg	2300	74.8		#	69.3		#	53.1		#
ASTMD422											
% CLAY & COLLOIDS	%										
% Coarse Sand >0.42 - 2.0 mm	%										
% FINE SAND >.125 - .25 MM	%										
% GRANULE & LARGER >2 MM	%										
% MEDIUM SAND >.25 - .5 MM	%										
% SILT	%										
% VERY COURSE SAND >1 - 2 MM	%										
% VERY FINE SAND >.0625 - .125 MM	%										
%Silt + % Clay/Colloids (%Total Fines)	%										
Additional Parameters											

Shellfoam Properties - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SHSB-08-A			SHSB-09-A			SHSB-10-A		
		Location	SHSB-08			SHSB-09			SHSB-10		
		Sample Date	12/7/2007			12/10/2007			12/10/2007		
		Depth	2 to 4 ft			2 to 4 ft			2 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
% GRANULE & LARGER >2 MM	%	N/A									
% VERY COURSE SAND >1 - 2 MM	%	N/A									
% COARSE SAND >.5 - 1 MM	%	N/A									
% MEDIUM SAND >.25 - .5 MM	%	N/A									
% FINE SAND >.125 - .25 MM	%	N/A									
% VERY FINE SAND >.0625 - .125 MM	%	N/A									
% SILT	%	N/A									
% CLAY & COLLOIDS	%	N/A									
pH	s.u.	N/A									
Total Organic Carbon	mg/Kg	N/A									

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Comparison Flag

Shellfoam Properties - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SHSB-08-A			SHSB-09-A			SHSB-10-A		
		Location	SHSB-08			SHSB-09			SHSB-10		
		Sample Date	12/7/2007			12/10/2007			12/10/2007		
		Depth	2 to 4 ft			2 to 4 ft			2 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

IVAX - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IVSB-01-A			IVSB-01-B			IVSB-01-C			IVSB-01-D			IVSB-02-A			IVSB-02-B		
		Location	IVSB-01			IVSB-01			IVSB-01			IVSB-01			IVSB-02			IVSB-02		
		Sample Date	12/3/2007			12/3/2007			12/3/2007			12/3/2007			12/3/2007			12/3/2007		
		Depth	0 to 1 ft			8 to 9.25 ft			41 to 43 ft			62 to 64 ft			0 to 1 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
Chloromethane	ug/Kg	980	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
Vinyl Chloride	ug/Kg	13.8	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
Bromomethane	ug/Kg	36	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
Chloroethane	ug/Kg	118000	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
Trichlorofluoromethane	ug/Kg	13800	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
1,1-Dichloroethene	ug/Kg	50	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
Acetone	ug/Kg	48000	7.1	J	#	14	J	#	21	U		13	U		14	U		13	U	
Carbon Disulfide	ug/Kg	4200	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
Methyl Acetate	ug/Kg	64000	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
Methylene Chloride	ug/Kg	26	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
trans-1,2-Dichloroethene	ug/Kg	580	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
Methyl tert-Butyl Ether	ug/Kg	56	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
1,1-Dichloroethane	ug/Kg	13.6	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
cis-1,2-Dichloroethene	ug/Kg	420	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
2-Butanone	ug/Kg	20000	12	U		15	U		21	U		13	U		14	U		13	U	
Chlorobromomethane	ug/Kg	420	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
Chloroform	ug/Kg	290	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
1,1,1-Trichloroethane	ug/Kg	1400	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
Cyclohexane	ug/Kg	117000	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
Carbon Tetrachloride	ug/Kg	38	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
Benzene	ug/Kg	52	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
1,2-Dichloroethane	ug/Kg	28	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
1,4-Dioxane	ug/Kg	2.8	120	R		150	R		210	R		130	R		140	R		130	R	
Trichloroethene	ug/Kg	36	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	

IVAX - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IVSB-01-A			IVSB-01-B			IVSB-01-C			IVSB-01-D			IVSB-02-A			IVSB-02-B		
		Location	IVSB-01			IVSB-01			IVSB-01			IVSB-01			IVSB-02			IVSB-02		
		Sample Date	12/3/2007			12/3/2007			12/3/2007			12/3/2007			12/3/2007			12/3/2007		
		Depth	0 to 1 ft			8 to 9.25 ft			41 to 43 ft			62 to 64 ft			0 to 1 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
1,2-Dichloropropane	ug/Kg	34	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
Bromodichloromethane	ug/Kg	270	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
cis-1,3-Dichloropropene	ug/Kg	3	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
4-Methyl-2-pentanone	ug/Kg	4600	12	U		15	U		21	U		13	U		14	U		13	U	
Toluene	ug/Kg	13800	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
trans-1,3-Dichloropropene	ug/Kg	3	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
1,1,2-Trichloroethane	ug/Kg	32	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
Tetrachloroethene	ug/Kg	46	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
2-Hexanone	ug/Kg	158	12	U		15	U		21	U		13	U		14	U		13	U	
Dibromochloromethane	ug/Kg	420	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
1,2-Dibromoethane	ug/Kg	0.28	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
Chlorobenzene	ug/Kg	1360	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
Ethylbenzene	ug/Kg	5400	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
o-Xylene	ug/Kg	3800	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
m,p-Xylene	ug/Kg	3600	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
Styrene	ug/Kg	2200	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
Bromoform	ug/Kg	420	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
Isopropylbenzene	ug/Kg	12800	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
1,4-Dichlorobenzene	ug/Kg	1440	0.97	J	#	7.4	U		11	U		6.7	U		7.1	U		6.7	U	
1,2-Dichlorobenzene	ug/Kg	11600	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
1,2,3-Trichlorobenzene	ug/Kg	300	6	U		7.4	U		11	U		6.7	U		7.1	U		6.7	U	
Semi-Volatile Organic Compounds																				

IVAX - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IVSB-01-A			IVSB-01-B			IVSB-01-C			IVSB-01-D			IVSB-02-A			IVSB-02-B		
		Location	IVSB-01			IVSB-01			IVSB-01			IVSB-01			IVSB-02			IVSB-02		
		Sample Date	12/3/2007			12/3/2007			12/3/2007			12/3/2007			12/3/2007			12/3/2007		
		Depth	0 to 1 ft			8 to 9.25 ft			41 to 43 ft			62 to 64 ft			0 to 1 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/Kg	6600	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
Phenol	ug/Kg	52000	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
bis(2-Chloroethyl) ether	ug/Kg	0.06	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
2-Chlorophenol	ug/Kg	1140	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
2-Methylphenol	ug/Kg	11600	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
Acetophenone	ug/Kg	9000	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
4-Methylphenol	ug/Kg	22000	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
n-Nitroso-di-n-propylamine	ug/Kg	0.14	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
Hexachloroethane	ug/Kg	9.6	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
Nitrobenzene	ug/Kg	1.58	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
Isophorone	ug/Kg	440	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
2-Nitrophenol	ug/Kg	N/A	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
2,4-Dimethylphenol	ug/Kg	6400	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
bis(2-Chloroethoxy)methane	ug/Kg	220	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
2,4-Dichlorophenol	ug/Kg	820	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
Naphthalene	ug/Kg	9.4	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
4-Chloroaniline	ug/Kg	2.6	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
Hexachlorobutadiene	ug/Kg	10	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
Caprolactam	ug/Kg	38000	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
4-Chloro-3-methylphenol	ug/Kg	26000	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
2-Methylnaphthalene	ug/Kg	2800	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
Hexachlorocyclopentadiene	ug/Kg	3200	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
2,4,6-Trichlorophenol	ug/Kg	260	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
2,4,5-Trichlorophenol	ug/Kg	66000	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
1,1'-Biphenyl	ug/Kg	174	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
2-Chloronaphthalene	ug/Kg	58000	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
2-Nitroaniline	ug/Kg	1240	430	UJ		500	UJ		470	UJ		460	UJ		450	UJ		460	UJ	

IVAX - Soil Sample Results Full Table
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		Sample Code	IVSB-01-A			IVSB-01-B			IVSB-01-C			IVSB-01-D			IVSB-02-A			IVSB-02-B		
		Location	IVSB-01			IVSB-01			IVSB-01			IVSB-01			IVSB-02			IVSB-02		
		Sample Date	12/3/2007			12/3/2007			12/3/2007			12/3/2007			12/3/2007			12/3/2007		
		Depth	0 to 1 ft			8 to 9.25 ft			41 to 43 ft			62 to 64 ft			0 to 1 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Dimethylphthalate	ug/Kg	N/A	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
2,6-Dinitrotoluene	ug/Kg	400	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
Acenaphthylene	ug/Kg	N/A	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
3-Nitroaniline	ug/Kg	N/A	430	UJ		500	UJ		470	UJ		460	UJ		450	UJ		460	UJ	
Acenaphthene	ug/Kg	82000	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
2,4-Dinitrophenol	ug/Kg	680	430	UJ		500	UJ		470	UJ		460	UJ		450	UJ		460	UJ	
4-Nitrophenol	ug/Kg	N/A	430	UJ		500	UJ		470	UJ		460	UJ		450	UJ		460	UJ	
Dibenzofuran	ug/Kg	N/A	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
2,4-Dinitrotoluene	ug/Kg	5.6	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
Diethylphthalate	ug/Kg	94000	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
Fluorene	ug/Kg	80000	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
4-Chlorophenyl-phenylether	ug/Kg	N/A	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
4-Nitroaniline	ug/Kg	28	430	UJ		500	UJ		470	UJ		460	UJ		450	UJ		460	UJ	
4,6-Dinitro-2-methylphenol	ug/Kg	40	430	UJ		500	UJ		470	UJ		460	UJ		450	UJ		460	UJ	
n-Nitrosodiphenylamine	ug/Kg	1140	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
4-Bromophenyl-phenylether	ug/Kg	N/A	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
Hexachlorobenzene	ug/Kg	260	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
Atrazine	ug/Kg	38	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
Pentachlorophenol	ug/Kg	200	430	UJ		500	UJ		470	UJ		460	UJ		450	UJ		460	UJ	
Phenanthrene	ug/Kg	N/A	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
Anthracene	ug/Kg	840000	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
Carbazole	ug/Kg	N/A	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
Di-n-butylphthalate	ug/Kg	34000	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
Fluoranthene	ug/Kg	230000	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
Pyrene	ug/Kg	170000	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
Butylbenzylphthalate	ug/Kg	4000	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
3,3'-Dichlorobenzidine	ug/Kg	14.2	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	

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		Sample Code	IVSB-01-A			IVSB-01-B			IVSB-01-C			IVSB-01-D			IVSB-02-A			IVSB-02-B		
		Location	IVSB-01			IVSB-01			IVSB-01			IVSB-01			IVSB-02			IVSB-02		
		Sample Date	12/3/2007			12/3/2007			12/3/2007			12/3/2007			12/3/2007			12/3/2007		
		Depth	0 to 1 ft			8 to 9.25 ft			41 to 43 ft			62 to 64 ft			0 to 1 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzo(a)anthracene	ug/Kg	150	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
Chrysene	ug/Kg	15000	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	74	J	#	260	UJ		240	J	#	240	UJ		230	UJ		240	UJ	
Di-n-octylphthalate	ug/Kg	N/A	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
Benzo(b)fluoranthene	ug/Kg	150	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
Benzo(k)fluoranthene	ug/Kg	1500	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
Benzo(a)pyrene	ug/Kg	15	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
Dibenz(a,h)anthracene	ug/Kg	15	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
Benzo(g,h,i)perylene	ug/Kg	N/A	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
Chlorophenols	ug/Kg	22000	220	UJ		260	UJ		240	UJ		240	UJ		230	UJ		240	UJ	
PCBs																				
Aroclor-1016	ug/Kg	390	43	U		50	U		47	U		46	U		45	U		46	U	
Aroclor-1221	ug/Kg	1.48	43	U		50	U		47	U		46	U		45	U		46	U	
Aroclor-1232	ug/Kg	1.48	43	U		50	U		47	U		46	U		45	U		46	U	
Aroclor-1242	ug/Kg	106	43	U		50	U		47	U		46	U		45	U		46	U	
Aroclor-1248	ug/Kg	104	43	U		50	U		47	U		46	U		45	U		46	U	
Aroclor-1254	ug/Kg	110	43	U		50	U		47	U		46	U		45	U		46	U	
Aroclor-1260	ug/Kg	220	43	U		50	U		47	U		46	U		45	U		46	U	
Aroclor-1262	ug/Kg	220	43	U		50	U		47	U		46	U		45	U		46	U	
Aroclor-1268	ug/Kg	220	43	U		50	U		47	U		46	U		45	U		46	U	
Pesticides																				
alpha-BHC	ug/Kg	0.72	2.2	U		2.6	U		2.4	U		2.4	U		2.3	U		2.4	U	
beta-BHC	ug/Kg	2.6	2.2	U		2.6	U		2.4	U		2.4	U		2.3	U		2.4	U	
delta-BHC	ug/Kg	N/A	2.2	U		2.6	U		2.4	U		2.4	U		2.3	U		2.4	U	
gamma-BHC (Lindane)	ug/Kg	24	2.2	U		2.6	U		2.4	U		2.4	U		2.3	U		2.4	U	

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		Sample Code	IVSB-01-A			IVSB-01-B			IVSB-01-C			IVSB-01-D			IVSB-02-A			IVSB-02-B		
		Location	IVSB-01			IVSB-01			IVSB-01			IVSB-01			IVSB-02			IVSB-02		
		Sample Date	12/3/2007			12/3/2007			12/3/2007			12/3/2007			12/3/2007			12/3/2007		
		Depth	0 to 1 ft			8 to 9.25 ft			41 to 43 ft			62 to 64 ft			0 to 1 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Heptachlor	ug/Kg	110	2.2	U		2.6	U		2.4	U		2.4	U		2.3	U		2.4	U	
Aldrin	ug/Kg	0.68	2.2	U		2.6	U		2.4	U		2.4	U		2.3	U		2.4	U	
Heptachlor epoxide	ug/Kg	53	2.2	U		2.6	U		2.4	U		2.4	U		2.3	U		2.4	U	
Endosulfan I	ug/Kg	22000	2.2	U		2.6	U		2.4	U		2.4	U		2.3	U		2.4	U	
Dieldrin	ug/Kg	1.22	4.3	U		5	U		4.7	U		4.6	U		4.5	U		4.6	U	
4,4'-DDE	ug/Kg	920	4.3	U		5	U		4.7	U		4.6	U		4.5	U		4.6	U	
Endrin	ug/Kg	1620	4.3	U		5	U		4.7	U		4.6	U		4.5	U		4.6	U	
Endosulfan II	ug/Kg	22000	4.3	U		5	U		4.7	U		4.6	U		4.5	U		4.6	U	
4,4'-DDD	ug/Kg	1320	4.3	U		5	U		4.7	U		4.6	U		4.5	U		4.6	U	
Endosulfan sulfate	ug/Kg	22000	4.3	U		5	U		4.7	U		4.6	U		4.5	U		4.6	U	
4,4'-DDT	ug/Kg	1340	4.3	U		5	U		4.7	U		4.6	U		4.5	U		4.6	U	
Methoxychlor	ug/Kg	31000	22	U		26	U		24	U		24	U		23	U		24	U	
Endrin ketone	ug/Kg	1620	4.3	U		5	U		4.7	U		4.6	U		4.5	U		4.6	U	
Endrin aldehyde	ug/Kg	1620	4.3	U		5	U		4.7	U		4.6	U		4.5	U		4.6	U	
alpha-Chlordane	ug/Kg	1600	2.2	U		2.6	U		2.4	U		2.4	U		2.3	U		2.4	U	
gamma-Chlordane	ug/Kg	1600	2.2	U		2.6	U		2.4	U		2.4	U		2.3	U		2.4	U	
Toxaphene	ug/Kg	440	220	U		260	U		240	U		240	U		230	U		240	U	
Inorganic Analytes																				
Aluminum	mg/kg	7700	**11000**		A	**11600**		A	**10200**		A	**22100**		A	**10100**		A	**19300**		A
Antimony	mg/kg	3.1	8.2	U		8.9	U		8.3	U		8.4	U		8.2	U		8.7	U	
Arsenic	mg/kg	0.39	**1.2**	J	A	**0.83**	J	A	1.4	U		1.4	U		**4.4**		A	1.5	U	
Barium	mg/kg	1500	117		#	84.8		#	38.3		#	221		#	82.4		#	80.2		#
Beryllium	mg/kg	16	0.69	U		0.74	U		0.69	U		0.7	U		0.69	U		0.73	U	
Cadmium	mg/kg	7	0.1	J	#	0.74	U		0.69	U		0.38	J	#	0.69	U		0.73	U	
Calcium	mg/kg	N/A	1980		~	1880		~	439	J	~	3630		~	505	J	~	2240		~
Chromium	mg/kg	0.29	**21.6**		A	**38.4**		A	**27.3**		A	**23**		A	**15.4**		A	**36.6**		A
Cobalt	mg/kg	2.3	**14.1**		A	**24**		A	**5.5**	J	A	**26.7**		A	**6.4**	J	A	**10.9**		A

IVAX - Soil Sample Results Full Table
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		Sample Code	IVSB-01-A			IVSB-01-B			IVSB-01-C			IVSB-01-D			IVSB-02-A			IVSB-02-B		
		Location	IVSB-01			IVSB-01			IVSB-01			IVSB-01			IVSB-02			IVSB-02		
		Sample Date	12/3/2007			12/3/2007			12/3/2007			12/3/2007			12/3/2007			12/3/2007		
		Depth	0 to 1 ft			8 to 9.25 ft			41 to 43 ft			62 to 64 ft			0 to 1 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Copper	mg/kg	310	70.1		#	86.9		#	63.7		#	75.5		#	35.4		#	103		#
Cyanide	mg/kg	4.7	3.4	U		3.7	U		3.4	U		3.5	U		3.4	U		3.6	U	
Iron	mg/kg	5400	**45300**		A	**61200**		A	**50300**		A	**40000**		A	**42900**		A	**48600**		A
Lead	mg/kg	280	1.4	UJ		1.5	UJ		1.4	UJ		1.4	UJ		2	J	#	1.5	UJ	
Magnesium	mg/kg	N/A	2760		~	2220		~	1280		~	16400		~	1530		~	6700		~
Manganese	mg/kg	21	**608**		A	**1050**		A	**278**		A	**1050**		A	**190**		A	**504**		A
Mercury	mg/kg	2	0.074	J	#	0.056	J	#	0.14	U		0.14	U		0.12	J	#	0.15	U	
Nickel	mg/kg	150	12.2		#	12.8		#	7.2		#	22.2		#	3.6	J	#	17		#
Potassium	mg/kg	N/A	268	J	~	221	J	~	80	J	~	151	J	~	334	J	~	93.8	J	~
Selenium	mg/kg	5.2	4.8	U		5.2	U		4.8	U		4.9	U		4.8	U		5.1	U	
Silver	mg/kg	12	4	J	#	5.3	J	#	4.4	J	#	3.6	J	#	3.9	J	#	4.4	J	#
Sodium	mg/kg	N/A	190	J	~	118	J	~	96.1	J	~	277	J	~	416	J	~	425	J	~
Thallium	mg/kg	0.08	3.4	U		3.7	U		3.4	U		3.5	U		3.4	UJ		3.6	UJ	
Vanadium	mg/kg	39	**143**		A	**186**		A	**151**		A	**86.5**		A	**150**		A	**146**		A
Zinc	mg/kg	2300	51.8		#	48.3		#	27.9		#	42.1		#	28.5		#	38.7		#
Additional Parameters																				
% GRANULE & LARGER >2 MM	%	N/A				9		~										0		~
% VERY COURSE SAND >1 - 2 MM	%	N/A				3		~										1		~
% COARSE SAND >.5 - 1 MM	%	N/A				3		~										1		~
% MEDIUM SAND >.25 - .5 MM	%	N/A				3		~										1		~
% FINE SAND >.125 - .25 MM	%	N/A				3		~										2		~
% VERY FINE SAND >.0625 - .125 MM	%	N/A				2		~										1		~
% SILT	%	N/A				32		~										38		~
% CLAY & COLLOIDS	%	N/A				45		~										56		~
pH	s.u.	N/A				7		~										7		~
Total Organic Carbon	mg/Kg	N/A				1700		~										2400		~

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

Q - Qualifier

C - Comparison Flag

IVAX - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IVSB-01-A			IVSB-01-B			IVSB-01-C			IVSB-01-D			IVSB-02-A			IVSB-02-B		
		Location	IVSB-01			IVSB-01			IVSB-01			IVSB-01			IVSB-02			IVSB-02		
		Sample Date	12/3/2007			12/3/2007			12/3/2007			12/3/2007			12/3/2007			12/3/2007		
		Depth	0 to 1 ft			8 to 9.25 ft			41 to 43 ft			62 to 64 ft			0 to 1 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

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Cidra Groundwater Contamination Site
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		Sample Code	IVSB-02-C			IVSB-02-D			IVSB-03-A			IVSB-03-B			IVSB-03-C			IVSB-04-A		
		Location	IVSB-02			IVSB-02			IVSB-03			IVSB-03			IVSB-03			IVSB-04		
		Sample Date	12/3/2007			12/3/2007			12/3/2007			12/3/2007			12/3/2007			12/4/2007		
		Depth	21 to 23 ft			41 to 43 ft			0 to 2.5 ft			5 to 7 ft			42 to 44 ft			0 to 1 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
Chloromethane	ug/Kg	980	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
Vinyl Chloride	ug/Kg	13.8	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
Bromomethane	ug/Kg	36	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
Chloroethane	ug/Kg	118000	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
Trichlorofluoromethane	ug/Kg	13800	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
1,1-Dichloroethene	ug/Kg	50	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
Acetone	ug/Kg	48000	12	J	#	13	U		12	U		13	U		24		#	12	U	
Carbon Disulfide	ug/Kg	4200	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
Methyl Acetate	ug/Kg	64000	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
Methylene Chloride	ug/Kg	26	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
trans-1,2-Dichloroethene	ug/Kg	580	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
Methyl tert-Butyl Ether	ug/Kg	56	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
1,1-Dichloroethane	ug/Kg	13.6	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
cis-1,2-Dichloroethene	ug/Kg	420	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
2-Butanone	ug/Kg	20000	12	U		13	U		12	U		13	U		15	U		12	U	
Chlorobromomethane	ug/Kg	420	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
Chloroform	ug/Kg	290	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
Cyclohexane	ug/Kg	117000	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		1.9	J	#
Carbon Tetrachloride	ug/Kg	38	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
Benzene	ug/Kg	52	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
1,2-Dichloroethane	ug/Kg	28	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
1,4-Dioxane	ug/Kg	2.8	120	R		130	R		120	R		130	R		150	R		120	R	
Trichloroethene	ug/Kg	36	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	

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Cidra Groundwater Contamination Site
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		Sample Code	IVSB-02-C			IVSB-02-D			IVSB-03-A			IVSB-03-B			IVSB-03-C			IVSB-04-A		
		Location	IVSB-02			IVSB-02			IVSB-03			IVSB-03			IVSB-03			IVSB-04		
		Sample Date	12/3/2007			12/3/2007			12/3/2007			12/3/2007			12/3/2007			12/4/2007		
		Depth	21 to 23 ft			41 to 43 ft			0 to 2.5 ft			5 to 7 ft			42 to 44 ft			0 to 1 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
1,2-Dichloropropane	ug/Kg	34	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
Bromodichloromethane	ug/Kg	270	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
cis-1,3-Dichloropropene	ug/Kg	3	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
4-Methyl-2-pentanone	ug/Kg	4600	12	U		13	U		12	U		13	U		15	U		12	U	
Toluene	ug/Kg	13800	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
trans-1,3-Dichloropropene	ug/Kg	3	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
1,1,2-Trichloroethane	ug/Kg	32	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
Tetrachloroethene	ug/Kg	46	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
2-Hexanone	ug/Kg	158	12	U		13	U		12	U		13	U		15	U		12	U	
Dibromochloromethane	ug/Kg	420	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
1,2-Dibromoethane	ug/Kg	0.28	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
Chlorobenzene	ug/Kg	1360	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
Ethylbenzene	ug/Kg	5400	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
o-Xylene	ug/Kg	3800	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
m,p-Xylene	ug/Kg	3600	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		0.47	J	#
Styrene	ug/Kg	2200	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
Bromoform	ug/Kg	420	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
Isopropylbenzene	ug/Kg	12800	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
1,4-Dichlorobenzene	ug/Kg	1440	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		1.3	J	#
1,2-Dichlorobenzene	ug/Kg	11600	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
1,2,3-Trichlorobenzene	ug/Kg	300	6.2	U		6.3	U		5.8	U		6.4	U		7.7	U		6.1	U	
Semi-Volatile Organic Compounds																				

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		Sample Code	IVSB-02-C			IVSB-02-D			IVSB-03-A			IVSB-03-B			IVSB-03-C			IVSB-04-A		
		Location	IVSB-02			IVSB-02			IVSB-03			IVSB-03			IVSB-03			IVSB-04		
		Sample Date	12/3/2007			12/3/2007			12/3/2007			12/3/2007			12/3/2007			12/4/2007		
		Depth	21 to 23 ft			41 to 43 ft			0 to 2.5 ft			5 to 7 ft			42 to 44 ft			0 to 1 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/Kg	6600	240	U		220	U		230	U		240	U		230	U		220	U	
Phenol	ug/Kg	52000	240	U		220	U		230	U		240	U		230	U		220	U	
bis(2-Chloroethyl) ether	ug/Kg	0.06	240	U		220	U		230	U		240	U		230	U		220	U	
2-Chlorophenol	ug/Kg	1140	240	U		220	U		230	U		240	U		230	U		220	U	
2-Methylphenol	ug/Kg	11600	240	U		220	U		230	U		240	U		230	U		220	U	
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	240	U		220	U		230	U		240	U		230	U		220	U	
Acetophenone	ug/Kg	9000	240	U		220	U		230	U		240	U		230	U		220	U	
4-Methylphenol	ug/Kg	22000	240	U		220	U		230	U		240	U		230	U		220	U	
n-Nitroso-di-n-propylamine	ug/Kg	0.14	240	U		220	U		230	U		240	U		230	U		220	U	
Hexachloroethane	ug/Kg	9.6	240	U		220	U		230	U		240	U		230	U		220	U	
Nitrobenzene	ug/Kg	1.58	240	U		220	U		230	U		240	U		230	U		220	U	
Isophorone	ug/Kg	440	240	U		220	U		230	U		240	U		230	U		220	U	
2-Nitrophenol	ug/Kg	N/A	240	U		220	U		230	U		240	U		230	U		220	U	
2,4-Dimethylphenol	ug/Kg	6400	240	U		220	U		230	U		240	U		230	U		220	U	
bis(2-Chloroethoxy)methane	ug/Kg	220	240	U		220	U		230	U		240	U		230	U		220	U	
2,4-Dichlorophenol	ug/Kg	820	240	U		220	U		230	U		240	U		230	U		220	U	
Naphthalene	ug/Kg	9.4	240	U		220	U		230	U		240	U		230	U		220	U	
4-Chloroaniline	ug/Kg	2.6	240	U		220	U		230	U		240	U		230	U		220	U	
Hexachlorobutadiene	ug/Kg	10	240	U		220	U		230	U		240	U		230	U		220	U	
Caprolactam	ug/Kg	38000	240	U		220	U		230	U		240	U		230	U		220	U	
4-Chloro-3-methylphenol	ug/Kg	26000	240	U		220	U		230	U		240	U		230	U		220	U	
2-Methylnaphthalene	ug/Kg	2800	240	U		220	U		230	U		240	U		230	U		220	U	
Hexachlorocyclopentadiene	ug/Kg	3200	240	U		220	U		230	U		240	U		230	U		220	U	
2,4,6-Trichlorophenol	ug/Kg	260	240	U		220	U		230	U		240	U		230	U		220	U	
2,4,5-Trichlorophenol	ug/Kg	66000	240	U		220	U		230	U		240	U		230	U		220	U	
1,1'-Biphenyl	ug/Kg	174	240	U		220	U		230	U		240	U		230	U		220	U	
2-Chloronaphthalene	ug/Kg	58000	240	U		220	U		230	U		240	U		230	U		220	U	
2-Nitroaniline	ug/Kg	1240	460	U		430	U		450	U		460	U		450	U		420	U	

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		Sample Code	IVSB-02-C			IVSB-02-D			IVSB-03-A			IVSB-03-B			IVSB-03-C			IVSB-04-A		
		Location	IVSB-02			IVSB-02			IVSB-03			IVSB-03			IVSB-03			IVSB-04		
		Sample Date	12/3/2007			12/3/2007			12/3/2007			12/3/2007			12/3/2007			12/4/2007		
		Depth	21 to 23 ft			41 to 43 ft			0 to 2.5 ft			5 to 7 ft			42 to 44 ft			0 to 1 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Dimethylphthalate	ug/Kg	N/A	240	U		220	U		230	U		240	U		230	U		220	U	
2,6-Dinitrotoluene	ug/Kg	400	240	U		220	U		230	U		240	U		230	U		220	U	
Acenaphthylene	ug/Kg	N/A	240	U		220	U		230	U		240	U		230	U		220	U	
3-Nitroaniline	ug/Kg	N/A	460	U		430	U		450	U		460	U		450	U		420	U	
Acenaphthene	ug/Kg	82000	240	U		220	U		230	U		240	U		230	U		220	U	
2,4-Dinitrophenol	ug/Kg	680	460	U		430	U		450	U		460	U		450	U		420	U	
4-Nitrophenol	ug/Kg	N/A	460	U		430	U		450	U		460	U		450	U		420	U	
Dibenzofuran	ug/Kg	N/A	240	U		220	U		230	U		240	U		230	UJ		220	U	
2,4-Dinitrotoluene	ug/Kg	5.6	240	U		220	U		230	U		240	U		230	U		220	U	
Diethylphthalate	ug/Kg	94000	240	U		220	U		230	U		240	U		230	U		220	U	
Fluorene	ug/Kg	80000	240	U		220	U		230	U		240	U		230	UJ		220	U	
4-Chlorophenyl-phenylether	ug/Kg	N/A	240	U		220	U		230	U		240	U		230	UJ		220	U	
4-Nitroaniline	ug/Kg	28	460	U		430	U		450	U		460	U		450	U		420	U	
4,6-Dinitro-2-methylphenol	ug/Kg	40	460	U		430	U		450	U		460	U		450	U		420	U	
n-Nitrosodiphenylamine	ug/Kg	1140	240	U		220	U		230	U		240	U		230	U		220	U	
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	240	U		220	U		230	U		240	U		230	U		220	U	
4-Bromophenyl-phenylether	ug/Kg	N/A	240	U		220	U		230	U		240	U		230	UJ		220	U	
Hexachlorobenzene	ug/Kg	260	240	U		220	U		230	U		240	U		230	U		220	U	
Atrazine	ug/Kg	38	240	U		220	U		230	U		240	U		230	U		220	U	
Pentachlorophenol	ug/Kg	200	460	U		430	U		450	U		460	U		450	U		420	U	
Phenanthrene	ug/Kg	N/A	240	U		220	U		230	U		240	U		230	U		220	U	
Anthracene	ug/Kg	840000	240	U		220	U		230	U		240	U		230	U		220	U	
Carbazole	ug/Kg	N/A	240	U		220	U		230	U		240	U		230	UJ		220	U	
Di-n-butylphthalate	ug/Kg	34000	240	U		220	U		230	U		240	U		230	U		220	U	
Fluoranthene	ug/Kg	230000	240	U		220	U		230	U		240	U		230	UJ		220	U	
Pyrene	ug/Kg	170000	240	U		220	U		230	U		240	U		230	UJ		220	U	
Butylbenzylphthalate	ug/Kg	4000	240	U		220	U		230	U		240	U		230	U		220	U	
3,3'-Dichlorobenzidine	ug/Kg	14.2	240	U		220	U		230	U		240	U		230	U		220	U	

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		Sample Code	IVSB-02-C			IVSB-02-D			IVSB-03-A			IVSB-03-B			IVSB-03-C			IVSB-04-A		
		Location	IVSB-02			IVSB-02			IVSB-03			IVSB-03			IVSB-03			IVSB-04		
		Sample Date	12/3/2007			12/3/2007			12/3/2007			12/3/2007			12/3/2007			12/4/2007		
		Depth	21 to 23 ft			41 to 43 ft			0 to 2.5 ft			5 to 7 ft			42 to 44 ft			0 to 1 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzo(a)anthracene	ug/Kg	150	240	U		220	U		230	U		240	U		230	UJ		220	U	
Chrysene	ug/Kg	15000	240	U		220	U		230	U		240	U		230	UJ		220	U	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	240	U		220	U		230	U		280		#	230	U		220	U	
Di-n-octylphthalate	ug/Kg	N/A	240	U		220	U		230	U		240	U		230	U		220	U	
Benzo(b)fluoranthene	ug/Kg	150	240	U		220	U		230	U		240	U		230	U		220	U	
Benzo(k)fluoranthene	ug/Kg	1500	240	U		220	U		230	U		240	U		230	U		220	U	
Benzo(a)pyrene	ug/Kg	15	240	U		220	U		230	U		240	U		230	U		220	U	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	240	U		220	U		230	U		240	U		230	U		220	U	
Dibenz(a,h)anthracene	ug/Kg	15	240	U		220	U		230	U		240	U		230	U		220	U	
Benzo(g,h,i)perylene	ug/Kg	N/A	240	U		220	U		230	U		240	U		230	U		220	U	
Chlorophenols	ug/Kg	22000	240	U		220	U		230	U		240	U		230	U		220	U	
PCBs																				
Aroclor-1016	ug/Kg	390	46	U		43	U		45	U		46	U		45	U		42	U	
Aroclor-1221	ug/Kg	1.48	46	U		43	U		45	U		46	U		45	U		42	U	
Aroclor-1232	ug/Kg	1.48	46	U		43	U		45	U		46	U		45	U		42	U	
Aroclor-1242	ug/Kg	106	46	U		43	U		45	U		46	U		45	U		42	U	
Aroclor-1248	ug/Kg	104	46	U		43	U		45	U		46	U		45	U		42	U	
Aroclor-1254	ug/Kg	110	46	U		43	U		45	U		46	U		45	U		42	U	
Aroclor-1260	ug/Kg	220	46	U		43	U		45	U		46	U		45	U		42	U	
Aroclor-1262	ug/Kg	220	46	U		43	U		45	U		46	U		45	U		42	U	
Aroclor-1268	ug/Kg	220	46	U		43	U		45	U		46	U		45	U		42	U	
Pesticides																				
alpha-BHC	ug/Kg	0.72	2.4	U		2.2	U		2.3	U		2.4	U		2.3	U		2.2	U	
beta-BHC	ug/Kg	2.6	2.4	U		2.2	U		2.3	U		2.4	U		2.3	U		2.2	U	
delta-BHC	ug/Kg	N/A	2.4	U		2.2	U		2.3	U		2.4	U		2.3	U		2.2	U	
gamma-BHC (Lindane)	ug/Kg	24	2.4	U		2.2	U		2.3	U		2.4	U		2.3	U		2.2	U	

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		Sample Code	IVSB-02-C			IVSB-02-D			IVSB-03-A			IVSB-03-B			IVSB-03-C			IVSB-04-A		
		Location	IVSB-02			IVSB-02			IVSB-03			IVSB-03			IVSB-03			IVSB-04		
		Sample Date	12/3/2007			12/3/2007			12/3/2007			12/3/2007			12/3/2007			12/4/2007		
		Depth	21 to 23 ft			41 to 43 ft			0 to 2.5 ft			5 to 7 ft			42 to 44 ft			0 to 1 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Heptachlor	ug/Kg	110	2.4	U		2.2	U		2.3	U		2.4	U		2.3	U		2.2	U	
Aldrin	ug/Kg	0.68	2.4	U		2.2	U		2.3	U		2.4	U		2.3	U		2.2	U	
Heptachlor epoxide	ug/Kg	53	2.4	U		2.2	U		2.3	U		2.4	U		2.3	U		2.2	U	
Endosulfan I	ug/Kg	22000	2.4	U		2.2	U		2.3	U		2.4	U		2.3	U		2.2	U	
Dieldrin	ug/Kg	1.22	4.6	U		4.3	U		4.5	U		4.6	U		4.5	U		4.2	U	
4,4'-DDE	ug/Kg	920	4.6	U		4.3	U		4.5	U		4.6	U		4.5	U		4.2	U	
Endrin	ug/Kg	1620	4.6	U		4.3	U		4.5	U		4.6	U		4.5	U		4.2	U	
Endosulfan II	ug/Kg	22000	4.6	U		4.3	U		4.5	U		4.6	U		4.5	U		4.2	U	
4,4'-DDD	ug/Kg	1320	4.6	U		4.3	U		4.5	U		4.6	U		4.5	U		4.2	U	
Endosulfan sulfate	ug/Kg	22000	4.6	U		4.3	U		4.5	U		4.6	U		4.5	U		4.2	U	
4,4'-DDT	ug/Kg	1340	4.6	U		4.3	U		4.5	U		4.6	U		4.5	U		4.2	U	
Methoxychlor	ug/Kg	31000	24	U		22	U		23	U		24	U		23	U		22	U	
Endrin ketone	ug/Kg	1620	4.6	U		4.3	U		4.5	U		4.6	U		4.5	U		4.2	U	
Endrin aldehyde	ug/Kg	1620	4.6	U		4.3	U		4.5	U		4.6	U		4.5	U		4.2	U	
alpha-Chlordane	ug/Kg	1600	2.4	U		2.2	U		2.3	U		2.4	U		0.96	J	#	2.2	U	
gamma-Chlordane	ug/Kg	1600	2.4	U		2.2	U		2.3	U		2.4	U		2.3	U		2.2	U	
Toxaphene	ug/Kg	440	240	U		220	U		230	U		240	U		230	U		220	U	
Inorganic Analytes																				
Aluminum	mg/kg	7700	**23700**		A	**22300**		A	**15400**		A	**9000**		A	**19200**		A	**11300**		A
Antimony	mg/kg	3.1	8.4	U		7.7	U		8	U		8.5	U		8.3	U		1.9	U	
Arsenic	mg/kg	0.39	1.4	U		1.3	U		**0.66**	J	A	1.4	U		1.4	U		**15.2**		A
Barium	mg/kg	1500	191		#	208		#	196		#	52.8		#	238	J	#	56		#
Beryllium	mg/kg	16	0.7	U		0.65	U		0.67	U		0.71	U		0.69	U		0.63	U	
Cadmium	mg/kg	7	0.19	J	#	0.31	J	#	0.67	U		0.71	U		0.08	J	#	0.63	U	
Calcium	mg/kg	N/A	2120		~	3830		~	2370		~	608	J	~	2730		~	1780		~
Chromium	mg/kg	0.29	**29.7**		A	**54.5**		A	**41.6**		A	**35.8**		A	**26.5**		A	**26.6**		A
Cobalt	mg/kg	2.3	**20.1**		A	**26.2**		A	**29.9**		A	**10.2**		A	**32.2**		A	**41**	J	A

IVAX - Soil Sample Results Full Table
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		Sample Code	IVSB-02-C			IVSB-02-D			IVSB-03-A			IVSB-03-B			IVSB-03-C			IVSB-04-A		
		Location	IVSB-02			IVSB-02			IVSB-03			IVSB-03			IVSB-03			IVSB-04		
		Sample Date	12/3/2007			12/3/2007			12/3/2007			12/3/2007			12/3/2007			12/4/2007		
		Depth	21 to 23 ft			41 to 43 ft			0 to 2.5 ft			5 to 7 ft			42 to 44 ft			0 to 1 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Copper	mg/kg	310	92.5		#	96.2		#	89.5		#	81.5		#	96.6		#	36.7		#
Cyanide	mg/kg	4.7	3.5	U		3.3	U		3.4	U		3.5	U		3.5	U		0.35	J	#
Iron	mg/kg	5400	**41200**		A	**40700**		A	**49300**		A	**63800**		A	**45900**		A	**49900**		A
Lead	mg/kg	280	1.4	UJ		1.3	UJ		1.3	UJ		1.4	UJ		1.4	UJ		10.3	J	#
Magnesium	mg/kg	N/A	17500		~	20300		~	6970		~	1200		~	8780		~	403	J	~
Manganese	mg/kg	21	**552**		A	**771**		A	**865**		A	**701**		A	**1770**		A	**3430**	J	A
Mercury	mg/kg	2	0.057	J	#	0.059	J	#	0.064	J	#	0.049	J	#	0.22		#	0.45		#
Nickel	mg/kg	150	26.8		#	32.9		#	24.3		#	8.8		#	26.9		#	3.2	J	#
Potassium	mg/kg	N/A	286	J	~	270	J	~	338	J	~	185	J	~	294	J	~	146	J	~
Selenium	mg/kg	5.2	4.9	U		4.5	U		4.7	U		4.9	U		4.9	U		4.4	UJ	
Silver	mg/kg	12	3.9	J	#	3.9	J	#	4.5	J	#	5.8	J	#	4.4	J	#	4.9	J	#
Sodium	mg/kg	N/A	374	J	~	360	J	~	289	J	~	130	J	~	286	J	~	630	U	
Thallium	mg/kg	0.08	3.5	UJ		3.2	UJ		3.4	UJ		3.5	UJ		3.5	UJ		0.31	U	
Vanadium	mg/kg	39	**115**		A	**94.8**		A	**147**		A	**155**		A	**139**		A	**181**		A
Zinc	mg/kg	2300	46.3		#	46.8		#	67.4		#	27.7		#	44.5		#	59.2		#
Additional Parameters																				
% GRANULE & LARGER >2 MM	%	N/A																		
% VERY COURSE SAND >1 - 2 MM	%	N/A																		
% COARSE SAND >.5 - 1 MM	%	N/A																		
% MEDIUM SAND >.25 - .5 MM	%	N/A																		
% FINE SAND >.125 - .25 MM	%	N/A																		
% VERY FINE SAND >.0625 - .125 MM	%	N/A																		
% SILT	%	N/A																		
% CLAY & COLLOIDS	%	N/A																		
pH	s.u.	N/A																		
Total Organic Carbon	mg/Kg	N/A																		

Notes:
Highlight indicates exceedance
SC - Site Specific Screening Criteria
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter

Q - Qualifier
C - Comparison Flag

IVAX - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IVSB-02-C			IVSB-02-D			IVSB-03-A			IVSB-03-B			IVSB-03-C			IVSB-04-A		
		Location	IVSB-02			IVSB-02			IVSB-03			IVSB-03			IVSB-03			IVSB-04		
		Sample Date	12/3/2007			12/3/2007			12/3/2007			12/3/2007			12/3/2007			12/4/2007		
		Depth	21 to 23 ft			41 to 43 ft			0 to 2.5 ft			5 to 7 ft			42 to 44 ft			0 to 1 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

IVAX - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IVSB-04-B			IVSB-04-C			IVSB-04-D			IVSB-05-A			IVSB-05-B			IVSB-05-C		
		Location	IVSB-04			IVSB-04			IVSB-04			IVSB-05			IVSB-05			IVSB-05		
		Sample Date	12/4/2007			12/4/2007			12/4/2007			12/4/2007			12/4/2007			12/4/2007		
		Depth	5 to 7 ft			41 to 43 ft			62 to 64 ft			1 to 2 ft			9 to 11 ft			41 to 43 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
Chloromethane	ug/Kg	980	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
Vinyl Chloride	ug/Kg	13.8	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
Bromomethane	ug/Kg	36	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
Chloroethane	ug/Kg	118000	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
Trichlorofluoromethane	ug/Kg	13800	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
1,1-Dichloroethene	ug/Kg	50	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
Acetone	ug/Kg	48000	9.3	J	#	8	J	#	13		#	8.9	U		12	U		10	U	
Carbon Disulfide	ug/Kg	4200	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
Methyl Acetate	ug/Kg	64000	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
Methylene Chloride	ug/Kg	26	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
trans-1,2-Dichloroethene	ug/Kg	580	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
Methyl tert-Butyl Ether	ug/Kg	56	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
1,1-Dichloroethane	ug/Kg	13.6	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
cis-1,2-Dichloroethene	ug/Kg	420	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
2-Butanone	ug/Kg	20000	12	U		13	U		12	U		8.9	U		12	U		10	U	
Chlorobromomethane	ug/Kg	420	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
Chloroform	ug/Kg	290	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
Cyclohexane	ug/Kg	117000	0.66	J	#	0.91	J	#	5.8	U		4.5	U		5.8	U		5.1	U	
Carbon Tetrachloride	ug/Kg	38	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
Benzene	ug/Kg	52	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
1,2-Dichloroethane	ug/Kg	28	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
1,4-Dioxane	ug/Kg	2.8	120	R		130	R		120	R		89	R		120	R		100	R	
Trichloroethene	ug/Kg	36	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	

IVAX - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
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		Sample Code	IVSB-04-B			IVSB-04-C			IVSB-04-D			IVSB-05-A			IVSB-05-B			IVSB-05-C		
		Location	IVSB-04			IVSB-04			IVSB-04			IVSB-05			IVSB-05			IVSB-05		
		Sample Date	12/4/2007			12/4/2007			12/4/2007			12/4/2007			12/4/2007			12/4/2007		
		Depth	5 to 7 ft			41 to 43 ft			62 to 64 ft			1 to 2 ft			9 to 11 ft			41 to 43 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
1,2-Dichloropropane	ug/Kg	34	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
Bromodichloromethane	ug/Kg	270	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
cis-1,3-Dichloropropene	ug/Kg	3	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
4-Methyl-2-pentanone	ug/Kg	4600	12	U		13	U		12	U		8.9	U		12	U		10	U	
Toluene	ug/Kg	13800	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
trans-1,3-Dichloropropene	ug/Kg	3	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
1,1,2-Trichloroethane	ug/Kg	32	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
Tetrachloroethene	ug/Kg	46	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
2-Hexanone	ug/Kg	158	12	U		13	U		12	U		8.9	U		12	U		10	U	
Dibromochloromethane	ug/Kg	420	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
1,2-Dibromoethane	ug/Kg	0.28	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
Chlorobenzene	ug/Kg	1360	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
Ethylbenzene	ug/Kg	5400	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
o-Xylene	ug/Kg	3800	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
m,p-Xylene	ug/Kg	3600	0.37	J	#	0.57	J	#	5.8	U		4.5	U		5.8	U		5.1	U	
Styrene	ug/Kg	2200	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
Bromoform	ug/Kg	420	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
Isopropylbenzene	ug/Kg	12800	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
1,4-Dichlorobenzene	ug/Kg	1440	1.2	J	#	1.2	J	#	1.2	J	#	1	J	#	1.4	J	#	0.94	J	#
1,2-Dichlorobenzene	ug/Kg	11600	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
1,2,3-Trichlorobenzene	ug/Kg	300	6.1	U		6.6	U		5.8	U		4.5	U		5.8	U		5.1	U	
Semi-Volatile Organic Compounds																				

IVAX - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
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		Sample Code	IVSB-04-B			IVSB-04-C			IVSB-04-D			IVSB-05-A			IVSB-05-B			IVSB-05-C		
		Location	IVSB-04			IVSB-04			IVSB-04			IVSB-05			IVSB-05			IVSB-05		
		Sample Date	12/4/2007			12/4/2007			12/4/2007			12/4/2007			12/4/2007			12/4/2007		
		Depth	5 to 7 ft			41 to 43 ft			62 to 64 ft			1 to 2 ft			9 to 11 ft			41 to 43 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/Kg	6600	240	U		270	U		230	U		230	U		240	U		180	U	
Phenol	ug/Kg	52000	240	U		270	U		230	U		230	U		240	U		180	U	
bis(2-Chloroethyl) ether	ug/Kg	0.06	240	U		270	U		230	U		230	U		240	U		180	U	
2-Chlorophenol	ug/Kg	1140	240	U		270	U		230	U		230	U		240	U		180	U	
2-Methylphenol	ug/Kg	11600	240	U		270	U		230	U		230	U		240	U		180	U	
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	240	U		270	U		230	U		230	U		240	U		180	U	
Acetophenone	ug/Kg	9000	240	U		270	U		230	U		230	U		240	U		180	U	
4-Methylphenol	ug/Kg	22000	240	U		270	U		230	U		230	U		240	U		180	U	
n-Nitroso-di-n-propylamine	ug/Kg	0.14	240	U		270	U		230	U		230	U		240	U		180	U	
Hexachloroethane	ug/Kg	9.6	240	U		270	U		230	U		230	U		240	U		180	U	
Nitrobenzene	ug/Kg	1.58	240	U		270	U		230	U		230	U		240	U		180	U	
Isophorone	ug/Kg	440	240	U		270	U		230	U		230	U		240	U		180	U	
2-Nitrophenol	ug/Kg	N/A	240	U		270	U		230	U		230	U		240	U		180	U	
2,4-Dimethylphenol	ug/Kg	6400	240	U		270	U		230	U		230	U		240	U		180	U	
bis(2-Chloroethoxy)methane	ug/Kg	220	240	U		270	U		230	U		230	U		240	U		180	U	
2,4-Dichlorophenol	ug/Kg	820	240	U		270	U		230	U		230	U		240	U		180	U	
Naphthalene	ug/Kg	9.4	240	U		270	U		230	U		230	U		240	U		180	U	
4-Chloroaniline	ug/Kg	2.6	240	U		270	U		230	U		230	U		240	U		180	U	
Hexachlorobutadiene	ug/Kg	10	240	U		270	U		230	U		230	U		240	U		180	U	
Caprolactam	ug/Kg	38000	240	U		270	U		230	U		230	UJ		240	U		180	U	
4-Chloro-3-methylphenol	ug/Kg	26000	240	U		270	U		230	U		230	U		240	U		180	U	
2-Methylnaphthalene	ug/Kg	2800	240	U		270	U		230	U		230	U		240	U		180	U	
Hexachlorocyclopentadiene	ug/Kg	3200	240	U		270	U		230	U		230	U		240	U		180	U	
2,4,6-Trichlorophenol	ug/Kg	260	240	U		270	U		230	U		230	U		240	U		180	U	
2,4,5-Trichlorophenol	ug/Kg	66000	240	U		270	U		230	U		230	U		240	U		180	U	
1,1'-Biphenyl	ug/Kg	174	240	U		270	U		230	U		230	UJ		240	U		180	U	
2-Chloronaphthalene	ug/Kg	58000	240	U		270	U		230	U		230	U		240	U		180	U	
2-Nitroaniline	ug/Kg	1240	470	U		520	U		440	U		440	U		460	U		350	U	

IVAX - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
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		Sample Code	IVSB-04-B			IVSB-04-C			IVSB-04-D			IVSB-05-A			IVSB-05-B			IVSB-05-C		
		Location	IVSB-04			IVSB-04			IVSB-04			IVSB-05			IVSB-05			IVSB-05		
		Sample Date	12/4/2007			12/4/2007			12/4/2007			12/4/2007			12/4/2007			12/4/2007		
		Depth	5 to 7 ft			41 to 43 ft			62 to 64 ft			1 to 2 ft			9 to 11 ft			41 to 43 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Dimethylphthalate	ug/Kg	N/A	240	U		270	U		230	U		230	UJ		240	U		180	U	
2,6-Dinitrotoluene	ug/Kg	400	240	U		270	U		230	U		230	U		240	U		180	U	
Acenaphthylene	ug/Kg	N/A	240	U		270	U		230	U		230	U		240	U		180	U	
3-Nitroaniline	ug/Kg	N/A	470	U		520	U		440	U		440	U		460	U		350	U	
Acenaphthene	ug/Kg	82000	240	U		270	U		230	U		230	U		240	U		180	U	
2,4-Dinitrophenol	ug/Kg	680	470	U		520	U		440	U		440	U		460	U		350	U	
4-Nitrophenol	ug/Kg	N/A	470	U		520	U		440	U		440	U		460	U		350	U	
Dibenzofuran	ug/Kg	N/A	240	U		270	U		230	U		230	UJ		240	U		180	U	
2,4-Dinitrotoluene	ug/Kg	5.6	240	U		270	U		230	U		230	U		240	U		180	U	
Diethylphthalate	ug/Kg	94000	240	U		270	U		230	U		230	UJ		240	U		180	U	
Fluorene	ug/Kg	80000	240	U		270	U		230	U		230	UJ		240	U		180	U	
4-Chlorophenyl-phenylether	ug/Kg	N/A	240	U		270	U		230	U		230	UJ		240	U		180	U	
4-Nitroaniline	ug/Kg	28	470	U		520	U		440	U		440	U		460	U		350	U	
4,6-Dinitro-2-methylphenol	ug/Kg	40	470	U		520	U		440	U		440	U		460	U		350	U	
n-Nitrosodiphenylamine	ug/Kg	1140	240	U		270	U		230	U		230	U		240	U		180	U	
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	240	U		270	U		230	U		230	U		240	U		180	U	
4-Bromophenyl-phenylether	ug/Kg	N/A	240	U		270	U		230	U		230	UJ		240	U		180	U	
Hexachlorobenzene	ug/Kg	260	240	U		270	U		230	U		230	U		240	U		180	U	
Atrazine	ug/Kg	38	240	U		270	U		230	U		230	U		240	U		180	U	
Pentachlorophenol	ug/Kg	200	470	U		520	U		440	U		440	U		460	U		350	U	
Phenanthrene	ug/Kg	N/A	240	U		270	U		230	U		230	U		240	U		180	U	
Anthracene	ug/Kg	840000	240	U		270	U		230	U		230	U		240	U		180	U	
Carbazole	ug/Kg	N/A	240	U		270	U		230	U		230	UJ		240	U		180	U	
Di-n-butylphthalate	ug/Kg	34000	240	U		270	U		230	U		230	UJ		240	U		180	U	
Fluoranthene	ug/Kg	230000	240	U		270	U		230	U		230	UJ		240	UJ		180	U	
Pyrene	ug/Kg	170000	240	U		270	U		230	U		230	UJ		240	UJ		180	U	
Butylbenzylphthalate	ug/Kg	4000	240	U		270	U		230	U		230	UJ		240	U		180	U	
3,3'-Dichlorobenzidine	ug/Kg	14.2	240	U		270	U		230	U		230	U		240	U		180	U	

IVAX - Soil Sample Results Full Table
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		Sample Code	IVSB-04-B			IVSB-04-C			IVSB-04-D			IVSB-05-A			IVSB-05-B			IVSB-05-C		
		Location	IVSB-04			IVSB-04			IVSB-04			IVSB-05			IVSB-05			IVSB-05		
		Sample Date	12/4/2007			12/4/2007			12/4/2007			12/4/2007			12/4/2007			12/4/2007		
		Depth	5 to 7 ft			41 to 43 ft			62 to 64 ft			1 to 2 ft			9 to 11 ft			41 to 43 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzo(a)anthracene	ug/Kg	150	240	U		270	U		230	U		230	UJ		240	UJ		180	U	
Chrysene	ug/Kg	15000	240	U		270	U		230	U		230	UJ		240	UJ		180	U	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	240	U		270	U		230	U		230	UJ		240	U		180	U	
Di-n-octylphthalate	ug/Kg	N/A	240	U		270	U		230	U		230	UJ		240	U		180	U	
Benzo(b)fluoranthene	ug/Kg	150	240	U		270	U		230	U		230	UJ		240	UJ		180	U	
Benzo(k)fluoranthene	ug/Kg	1500	240	U		270	U		230	U		230	UJ		240	UJ		180	U	
Benzo(a)pyrene	ug/Kg	15	240	U		270	U		230	U		230	UJ		240	UJ		180	U	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	240	U		270	U		230	U		230	UJ		240	UJ		180	U	
Dibenz(a,h)anthracene	ug/Kg	15	240	U		270	U		230	U		230	UJ		240	UJ		180	U	
Benzo(g,h,i)perylene	ug/Kg	N/A	240	U		270	U		230	U		230	UJ		240	UJ		180	U	
Chlorophenols	ug/Kg	22000	240	U		270	U		230	U		230	U		240	U		180	U	
PCBs																				
Aroclor-1016	ug/Kg	390	47	U		52	U		44	U		44	U		46	U		35	U	
Aroclor-1221	ug/Kg	1.48	47	U		52	U		44	U		44	U		46	U		35	U	
Aroclor-1232	ug/Kg	1.48	47	U		52	U		44	U		44	U		46	U		35	U	
Aroclor-1242	ug/Kg	106	47	U		52	U		44	U		44	U		46	U		35	U	
Aroclor-1248	ug/Kg	104	47	U		52	U		44	U		44	U		46	U		35	U	
Aroclor-1254	ug/Kg	110	47	U		52	U		44	U		44	U		46	U		35	U	
Aroclor-1260	ug/Kg	220	47	U		52	U		44	U		44	U		46	U		35	U	
Aroclor-1262	ug/Kg	220	47	U		52	U		44	U		44	U		46	U		35	U	
Aroclor-1268	ug/Kg	220	47	U		52	U		44	U		44	U		46	U		35	U	
Pesticides																				
alpha-BHC	ug/Kg	0.72	2.4	U		2.7	U		2.3	U		2.3	U		2.4	U		1.8	U	
beta-BHC	ug/Kg	2.6	2.4	U		2.7	U		2.3	U		2.3	U		2.4	U		1.8	U	
delta-BHC	ug/Kg	N/A	2.4	U		2.7	U		2.3	U		2.3	U		2.4	U		1.8	U	
gamma-BHC (Lindane)	ug/Kg	24	2.4	U		2.7	U		2.3	U		2.3	U		2.4	U		1.8	U	

IVAX - Soil Sample Results Full Table
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		Sample Code	IVSB-04-B			IVSB-04-C			IVSB-04-D			IVSB-05-A			IVSB-05-B			IVSB-05-C		
		Location	IVSB-04			IVSB-04			IVSB-04			IVSB-05			IVSB-05			IVSB-05		
		Sample Date	12/4/2007			12/4/2007			12/4/2007			12/4/2007			12/4/2007			12/4/2007		
		Depth	5 to 7 ft			41 to 43 ft			62 to 64 ft			1 to 2 ft			9 to 11 ft			41 to 43 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Heptachlor	ug/Kg	110	2.4	U		2.7	U		2.3	U		2.3	U		2.4	U		1.8	U	
Aldrin	ug/Kg	0.68	2.4	U		2.7	U		2.3	U		2.3	U		2.4	U		1.8	U	
Heptachlor epoxide	ug/Kg	53	2.4	U		2.7	U		2.3	U		2.3	U		1.3	J	#	1.8	U	
Endosulfan I	ug/Kg	22000	2.4	U		2.7	U		2.3	U		2.3	U		2.4	U		1.8	U	
Dieldrin	ug/Kg	1.22	4.7	U		5.2	U		4.4	U		4.4	U		4.6	U		3.5	U	
4,4'-DDE	ug/Kg	920	4.7	U		5.2	U		4.4	U		4.4	U		4.6	U		3.5	U	
Endrin	ug/Kg	1620	4.7	U		5.2	U		4.4	U		4.4	U		4.6	U		3.5	U	
Endosulfan II	ug/Kg	22000	4.7	U		5.2	U		4.4	U		4.4	U		4.6	U		3.5	U	
4,4'-DDD	ug/Kg	1320	4.7	U		5.2	U		4.4	U		4.4	U		4.6	U		3.5	U	
Endosulfan sulfate	ug/Kg	22000	4.7	U		5.2	U		4.4	U		4.4	U		4.6	U		3.5	U	
4,4'-DDT	ug/Kg	1340	4.7	U		5.2	U		4.4	U		4.4	U		4.6	U		3.5	U	
Methoxychlor	ug/Kg	31000	24	U		27	U		23	U		23	U		24	U		18	U	
Endrin ketone	ug/Kg	1620	4.7	U		5.2	U		4.4	U		4.4	U		4.6	U		3.5	U	
Endrin aldehyde	ug/Kg	1620	4.7	U		5.2	U		4.4	U		4.4	U		4.6	U		3.5	U	
alpha-Chlordane	ug/Kg	1600	2.4	U		2.7	U		0.62	J	#	2.3	U		2.4	U		1.8	U	
gamma-Chlordane	ug/Kg	1600	2.4	U		2.7	U		2.3	U		2.3	U		2.4	U		1.8	U	
Toxaphene	ug/Kg	440	240	U		270	U		230	U		230	U		240	U		180	U	
Inorganic Analytes																				
Aluminum	mg/kg	7700	**15800**		A	**34100**		A	**26500**		A	**15400**		A	**13200**		A	**25600**		A
Antimony	mg/kg	3.1	2.1	U		2.3	U		2	U		2	U		2.1	U		2.2	U	
Arsenic	mg/kg	0.39	**2.3**		A	**2.1**		A	**1.9**		A	1.3	U		**0.74**	J	A	1.5	U	
Barium	mg/kg	1500	60.3		#	871		#	970		#	29.2		#	174		#	361		#
Beryllium	mg/kg	16	0.69	U		1.2		#	0.68	U		0.66	U		0.68	U		0.75	U	
Cadmium	mg/kg	7	0.69	U		0.76	U		0.68	U		0.66	U		0.68	U		0.75	U	
Calcium	mg/kg	N/A	910		~	977		~	1290		~	642	J	~	412	J	~	1500		~
Chromium	mg/kg	0.29	**45.8**		A	**20.6**		A	**22.6**		A	**31.7**		A	**23**		A	**5.1**		A
Cobalt	mg/kg	2.3	**25**	J	A	**34**	J	A	**27.6**	J	A	**5.1**	J	A	**47**	J	A	**19.3**	J	A

IVAX - Soil Sample Results Full Table
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		Sample Code	IVSB-04-B			IVSB-04-C			IVSB-04-D			IVSB-05-A			IVSB-05-B			IVSB-05-C		
		Location	IVSB-04			IVSB-04			IVSB-04			IVSB-05			IVSB-05			IVSB-05		
		Sample Date	12/4/2007			12/4/2007			12/4/2007			12/4/2007			12/4/2007			12/4/2007		
		Depth	5 to 7 ft			41 to 43 ft			62 to 64 ft			1 to 2 ft			9 to 11 ft			41 to 43 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Copper	mg/kg	310	106		#	243		#	186		#	94		#	94.4		#	88.4		#
Cyanide	mg/kg	4.7	3.5	U		3.8	U		3.4	U		3.3	U		3.4	U		3.7	U	
Iron	mg/kg	5400	**75000**		A	**63200**		A	**54800**		A	**72000**		A	**58000**		A	**50200**		A
Lead	mg/kg	280	1.4	UJ		0.44	J	#	1.4	UJ		1.3	UJ		2.9	J	#	1.5	UJ	
Magnesium	mg/kg	N/A	496	J	~	6210	J	~	8790	J	~	885	J	~	1280	J	~	8150	J	~
Manganese	mg/kg	21	**1580**	J	A	**2000**	J	A	**1260**	J	A	**265**	J	A	**959**	J	A	**760**	J	A
Mercury	mg/kg	2	0.11	J	#	0.15	U		0.14	U		0.08	J	#	0.075	J	#	0.15	U	
Nickel	mg/kg	150	12.2		#	30.7		#	13.5		#	9.4		#	8.4		#	22.4		#
Potassium	mg/kg	N/A	231	J	~	1880	J	~	1870	J	~	288	J	~	273	J	~	734	J	~
Selenium	mg/kg	5.2	4.9	UJ		5.3	UJ		4.8	UJ		4.6	UJ		4.7	UJ		5.2	UJ	
Silver	mg/kg	12	7	J	#	6.1	J	#	5.4	J	#	6.8	J	#	5.6	J	#	4.7	J	#
Sodium	mg/kg	N/A	701	U		759	U		685	U		663	U		685	U		749	U	
Thallium	mg/kg	0.08	0.35	U		0.31	U		0.34	U		0.33	U		0.34	U		0.37	U	
Vanadium	mg/kg	39	**274**		A	**249**		A	**200**		A	**229**		A	**186**		A	**180**		A
Zinc	mg/kg	2300	63.6		#	266		#	273		#	62.6		#	36.4		#	123		#
Additional Parameters																				
% GRANULE & LARGER >2 MM	%	N/A				0		~							0		~			
% VERY COURSE SAND >1 - 2 MM	%	N/A				0		~							0		~			
% COARSE SAND >.5 - 1 MM	%	N/A				1		~							0		~			
% MEDIUM SAND >.25 - .5 MM	%	N/A				3		~							1		~			
% FINE SAND >.125 - .25 MM	%	N/A				7		~							2		~			
% VERY FINE SAND >.0625 - .125 MM	%	N/A				6		~							3		~			
% SILT	%	N/A				68		~							50		~			
% CLAY & COLLOIDS	%	N/A				15		~							43		~			
pH	s.u.	N/A				7		~							6		~			
Total Organic Carbon	mg/Kg	N/A				260	J	~							980		~			

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

Q - Qualifier

C - Comparison Flag

IVAX - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
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		Sample Code	IVSB-04-B			IVSB-04-C			IVSB-04-D			IVSB-05-A			IVSB-05-B			IVSB-05-C		
		Location	IVSB-04			IVSB-04			IVSB-04			IVSB-05			IVSB-05			IVSB-05		
		Sample Date	12/4/2007			12/4/2007			12/4/2007			12/4/2007			12/4/2007			12/4/2007		
		Depth	5 to 7 ft			41 to 43 ft			62 to 64 ft			1 to 2 ft			9 to 11 ft			41 to 43 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

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Cidra Groundwater Contamination Site
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		Sample Code	IVSB-05-D			IVSB-06-A			IVSB-06-B			IVSB-06-C			IVSB-06-D			IVSB-07-A		
		Location	IVSB-05			IVSB-06			IVSB-06			IVSB-06			IVSB-06			IVSB-07		
		Sample Date	12/4/2007			12/4/2007			12/4/2007			12/4/2007			12/4/2007			12/4/2007		
		Depth	62 to 64 ft			1 to 2 ft			5 to 7 ft			41 to 43 ft			62 to 64 ft			1 to 2 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
Chloromethane	ug/Kg	980	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
Vinyl Chloride	ug/Kg	13.8	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
Bromomethane	ug/Kg	36	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
Chloroethane	ug/Kg	118000	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
Trichlorofluoromethane	ug/Kg	13800	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
1,1-Dichloroethene	ug/Kg	50	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
Acetone	ug/Kg	48000	11	U		11	U		14	U		14	U		15	U		11	U	
Carbon Disulfide	ug/Kg	4200	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
Methyl Acetate	ug/Kg	64000	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
Methylene Chloride	ug/Kg	26	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
trans-1,2-Dichloroethene	ug/Kg	580	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
Methyl tert-Butyl Ether	ug/Kg	56	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
1,1-Dichloroethane	ug/Kg	13.6	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
cis-1,2-Dichloroethene	ug/Kg	420	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
2-Butanone	ug/Kg	20000	11	U		11	U		14	U		14	U		15	U		11	U	
Chlorobromomethane	ug/Kg	420	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
Chloroform	ug/Kg	290	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
1,1,1-Trichloroethane	ug/Kg	1400	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
Cyclohexane	ug/Kg	117000	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
Carbon Tetrachloride	ug/Kg	38	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
Benzene	ug/Kg	52	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
1,2-Dichloroethane	ug/Kg	28	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
1,4-Dioxane	ug/Kg	2.8	110	R		110	R		140	R		140	R		150	R		110	R	
Trichloroethene	ug/Kg	36	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	

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		Sample Code	IVSB-05-D			IVSB-06-A			IVSB-06-B			IVSB-06-C			IVSB-06-D			IVSB-07-A		
		Location	IVSB-05			IVSB-06			IVSB-06			IVSB-06			IVSB-06			IVSB-07		
		Sample Date	12/4/2007			12/4/2007			12/4/2007			12/4/2007			12/4/2007			12/4/2007		
		Depth	62 to 64 ft			1 to 2 ft			5 to 7 ft			41 to 43 ft			62 to 64 ft			1 to 2 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
1,2-Dichloropropane	ug/Kg	34	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
Bromodichloromethane	ug/Kg	270	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
cis-1,3-Dichloropropene	ug/Kg	3	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
4-Methyl-2-pentanone	ug/Kg	4600	11	U		11	U		14	U		14	U		15	U		11	U	
Toluene	ug/Kg	13800	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
trans-1,3-Dichloropropene	ug/Kg	3	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
1,1,2-Trichloroethane	ug/Kg	32	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
Tetrachloroethene	ug/Kg	46	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
2-Hexanone	ug/Kg	158	11	U		11	U		14	U		14	U		15	U		11	U	
Dibromochloromethane	ug/Kg	420	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
1,2-Dibromoethane	ug/Kg	0.28	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
Chlorobenzene	ug/Kg	1360	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
Ethylbenzene	ug/Kg	5400	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
o-Xylene	ug/Kg	3800	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
m,p-Xylene	ug/Kg	3600	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
Styrene	ug/Kg	2200	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
Bromoform	ug/Kg	420	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
Isopropylbenzene	ug/Kg	12800	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
1,3-Dichlorobenzene	ug/Kg	N/A	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
1,4-Dichlorobenzene	ug/Kg	1440	1	J	#	0.71	J	#	6.9	U		2	J	#	1	J	#	0.71	J	#
1,2-Dichlorobenzene	ug/Kg	11600	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
1,2,3-Trichlorobenzene	ug/Kg	300	5.3	U		5.4	U		6.9	U		6.9	U		7.6	U		5.5	U	
Semi-Volatile Organic Compounds																				

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		Sample Code	IVSB-05-D			IVSB-06-A			IVSB-06-B			IVSB-06-C			IVSB-06-D			IVSB-07-A		
		Location	IVSB-05			IVSB-06			IVSB-06			IVSB-06			IVSB-06			IVSB-07		
		Sample Date	12/4/2007			12/4/2007			12/4/2007			12/4/2007			12/4/2007			12/4/2007		
		Depth	62 to 64 ft			1 to 2 ft			5 to 7 ft			41 to 43 ft			62 to 64 ft			1 to 2 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/Kg	6600	210	U		240	U		250	U		270	U		270	U		250	U	
Phenol	ug/Kg	52000	210	U		240	U		250	U		270	U		270	U		250	U	
bis(2-Chloroethyl) ether	ug/Kg	0.06	210	U		240	U		250	U		270	U		270	U		250	U	
2-Chlorophenol	ug/Kg	1140	210	U		240	U		250	U		270	U		270	U		250	U	
2-Methylphenol	ug/Kg	11600	210	U		240	U		250	U		270	U		270	U		250	U	
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	210	U		240	U		250	U		270	U		270	U		250	U	
Acetophenone	ug/Kg	9000	210	U		240	U		250	U		270	U		270	U		250	U	
4-Methylphenol	ug/Kg	22000	210	U		240	U		250	U		270	U		270	U		250	U	
n-Nitroso-di-n-propylamine	ug/Kg	0.14	210	U		240	U		250	U		270	U		270	U		250	U	
Hexachloroethane	ug/Kg	9.6	210	U		240	U		250	U		270	U		270	U		250	U	
Nitrobenzene	ug/Kg	1.58	210	U		240	U		250	U		270	U		270	U		250	U	
Isophorone	ug/Kg	440	210	U		240	U		250	U		270	U		270	U		250	U	
2-Nitrophenol	ug/Kg	N/A	210	U		240	U		250	U		270	U		270	U		250	U	
2,4-Dimethylphenol	ug/Kg	6400	210	U		240	U		250	U		270	U		270	U		250	U	
bis(2-Chloroethoxy)methane	ug/Kg	220	210	U		240	U		250	U		270	U		270	U		250	U	
2,4-Dichlorophenol	ug/Kg	820	210	U		240	U		250	U		270	U		270	U		250	U	
Naphthalene	ug/Kg	9.4	210	U		240	U		250	U		270	U		270	U		250	U	
4-Chloroaniline	ug/Kg	2.6	210	U		240	U		250	U		270	U		270	U		250	U	
Hexachlorobutadiene	ug/Kg	10	210	U		240	U		250	U		270	U		270	U		250	U	
Caprolactam	ug/Kg	38000	210	U		240	U		250	U		270	U		270	U		250	UJ	
4-Chloro-3-methylphenol	ug/Kg	26000	210	U		240	U		250	U		270	U		270	U		250	U	
2-Methylnaphthalene	ug/Kg	2800	210	U		240	U		250	U		270	U		270	U		250	U	
Hexachlorocyclopentadiene	ug/Kg	3200	210	U		240	U		250	U		270	U		270	U		250	U	
2,4,6-Trichlorophenol	ug/Kg	260	210	U		240	U		250	U		270	U		270	U		250	U	
2,4,5-Trichlorophenol	ug/Kg	66000	210	U		240	U		250	U		270	U		270	U		250	U	
1,1'-Biphenyl	ug/Kg	174	210	U		240	U		250	U		270	U		270	U		250	UJ	
2-Chloronaphthalene	ug/Kg	58000	210	U		240	U		250	U		270	U		270	U		250	U	
2-Nitroaniline	ug/Kg	1240	410	U		460	U		490	U		520	U		520	U		480	U	

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		Sample Code	IVSB-05-D			IVSB-06-A			IVSB-06-B			IVSB-06-C			IVSB-06-D			IVSB-07-A		
		Location	IVSB-05			IVSB-06			IVSB-06			IVSB-06			IVSB-06			IVSB-07		
		Sample Date	12/4/2007			12/4/2007			12/4/2007			12/4/2007			12/4/2007			12/4/2007		
		Depth	62 to 64 ft			1 to 2 ft			5 to 7 ft			41 to 43 ft			62 to 64 ft			1 to 2 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Dimethylphthalate	ug/Kg	N/A	210	U		240	U		250	U		270	U		270	U		250	UJ	
2,6-Dinitrotoluene	ug/Kg	400	210	U		240	U		250	U		270	U		270	U		250	U	
Acenaphthylene	ug/Kg	N/A	210	U		240	U		250	U		270	U		270	U		250	U	
3-Nitroaniline	ug/Kg	N/A	410	U		460	U		490	U		520	U		520	U		480	U	
Acenaphthene	ug/Kg	82000	210	U		240	U		250	U		270	U		270	U		250	U	
2,4-Dinitrophenol	ug/Kg	680	410	U		460	U		490	U		520	U		520	U		480	U	
4-Nitrophenol	ug/Kg	N/A	410	U		460	U		490	U		520	U		520	U		480	U	
Dibenzofuran	ug/Kg	N/A	210	U		240	U		250	U		270	U		270	U		250	UJ	
2,4-Dinitrotoluene	ug/Kg	5.6	210	U		240	U		250	U		270	U		270	U		250	U	
Diethylphthalate	ug/Kg	94000	210	U		240	U		250	U		270	U		270	U		250	UJ	
Fluorene	ug/Kg	80000	210	U		240	U		250	U		270	U		270	U		250	UJ	
4-Chlorophenyl-phenylether	ug/Kg	N/A	210	U		240	U		250	U		270	U		270	U		250	UJ	
4-Nitroaniline	ug/Kg	28	410	U		460	U		490	U		520	U		520	U		480	U	
4,6-Dinitro-2-methylphenol	ug/Kg	40	410	U		460	U		490	U		520	U		520	U		480	U	
n-Nitrosodiphenylamine	ug/Kg	1140	210	U		240	U		250	U		270	U		270	U		250	U	
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	210	U		240	U		250	U		270	U		270	U		250	U	
4-Bromophenyl-phenylether	ug/Kg	N/A	210	U		240	U		250	U		270	U		270	U		250	UJ	
Hexachlorobenzene	ug/Kg	260	210	U		240	U		250	U		270	U		270	U		250	U	
Atrazine	ug/Kg	38	210	U		240	U		250	U		270	U		270	U		250	U	
Pentachlorophenol	ug/Kg	200	410	U		460	U		490	U		520	U		520	U		480	U	
Phenanthrene	ug/Kg	N/A	210	U		240	U		250	U		270	U		270	U		250	U	
Anthracene	ug/Kg	840000	210	U		240	U		250	U		270	U		270	U		250	U	
Carbazole	ug/Kg	N/A	210	U		240	U		250	U		270	U		270	U		250	UJ	
Di-n-butylphthalate	ug/Kg	34000	210	U		240	U		250	U		270	U		270	U		250	UJ	
Fluoranthene	ug/Kg	230000	210	U		240	U		73	J	#	270	U		270	U		250	UJ	
Pyrene	ug/Kg	170000	210	U		240	U		76	J	#	270	U		270	U		250	UJ	
Butylbenzylphthalate	ug/Kg	4000	210	U		240	U		78	J	#	270	U		270	U		250	UJ	
3,3'-Dichlorobenzidine	ug/Kg	14.2	210	U		240	U		250	U		270	U		270	U		250	U	

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		Sample Code	IVSB-05-D			IVSB-06-A			IVSB-06-B			IVSB-06-C			IVSB-06-D			IVSB-07-A		
		Location	IVSB-05			IVSB-06			IVSB-06			IVSB-06			IVSB-06			IVSB-07		
		Sample Date	12/4/2007			12/4/2007			12/4/2007			12/4/2007			12/4/2007			12/4/2007		
		Depth	62 to 64 ft			1 to 2 ft			5 to 7 ft			41 to 43 ft			62 to 64 ft			1 to 2 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzo(a)anthracene	ug/Kg	150	210	U		240	U		81	J	#	270	U		270	U		250	UJ	
Chrysene	ug/Kg	15000	210	U		240	U		83	J	#	270	U		270	U		250	UJ	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	210	U		240	U		250	U		850		#	270	U		250	UJ	
Di-n-octylphthalate	ug/Kg	N/A	210	U		240	U		250	U		270	U		270	U		250	UJ	
Benzo(b)fluoranthene	ug/Kg	150	210	U		240	U		250	U		270	U		270	U		250	UJ	
Benzo(k)fluoranthene	ug/Kg	1500	210	U		240	U		91	J	#	270	U		270	U		250	UJ	
Benzo(a)pyrene	ug/Kg	15	210	U		240	U		**93**	J	A	270	U		270	U		250	UJ	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	210	U		240	U		88	J	#	270	U		270	U		250	UJ	
Dibenz(a,h)anthracene	ug/Kg	15	210	U		240	U		**93**	J	A	270	U		270	U		250	UJ	
Benzo(g,h,i)perylene	ug/Kg	N/A	210	U		240	U		250	U		270	U		270	U		250	UJ	
Chlorophenols	ug/Kg	22000	210	U		240	U		250	U		270	U		270	U		250	U	
PCBs																				
Aroclor-1016	ug/Kg	390	41	U		46	U		49	U		52	U		52	U		48	U	
Aroclor-1221	ug/Kg	1.48	41	U		46	U		49	U		52	U		52	U		48	U	
Aroclor-1232	ug/Kg	1.48	41	U		46	U		49	U		52	U		52	U		48	U	
Aroclor-1242	ug/Kg	106	41	U		46	U		49	U		52	U		52	U		48	U	
Aroclor-1248	ug/Kg	104	41	U		46	U		49	U		52	U		52	U		48	U	
Aroclor-1254	ug/Kg	110	41	U		46	U		49	U		52	U		52	U		48	U	
Aroclor-1260	ug/Kg	220	41	U		46	U		49	U		52	U		52	U		48	U	
Aroclor-1262	ug/Kg	220	41	U		46	U		49	U		52	U		52	U		48	U	
Aroclor-1268	ug/Kg	220	41	U		46	U		49	U		52	U		52	U		48	U	
Pesticides																				
alpha-BHC	ug/Kg	0.72	2.1	U		2.4	U		2.5	U		2.7	U		2.7	U		2.5	U	
beta-BHC	ug/Kg	2.6	2.1	U		2.4	U		2.5	U		2.7	U		2.7	U		2.5	U	
delta-BHC	ug/Kg	N/A	2.1	U		2.4	U		2.5	U		2.7	U		2.7	U		2.5	U	
gamma-BHC (Lindane)	ug/Kg	24	2.1	U		2.4	U		2.5	U		2.7	U		2.7	U		2.5	U	

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		Sample Code	IVSB-05-D			IVSB-06-A			IVSB-06-B			IVSB-06-C			IVSB-06-D			IVSB-07-A		
		Location	IVSB-05			IVSB-06			IVSB-06			IVSB-06			IVSB-06			IVSB-07		
		Sample Date	12/4/2007			12/4/2007			12/4/2007			12/4/2007			12/4/2007			12/4/2007		
		Depth	62 to 64 ft			1 to 2 ft			5 to 7 ft			41 to 43 ft			62 to 64 ft			1 to 2 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Heptachlor	ug/Kg	110	2.1	U		2.4	U		2.5	U		2.7	U		2.7	U		2.5	U	
Aldrin	ug/Kg	0.68	2.1	U		2.4	U		2.5	U		2.7	U		2.7	U		2.5	U	
Heptachlor epoxide	ug/Kg	53	2.1	U		2.4	U		2.5	U		2.7	U		2.7	U		2.5	U	
Endosulfan I	ug/Kg	22000	2.1	U		2.4	U		2.5	U		2.7	U		2.7	U		2.5	U	
Dieldrin	ug/Kg	1.22	4.1	U		4.6	U		4.9	U		5.2	U		5.2	U		4.8	U	
4,4'-DDE	ug/Kg	920	4.1	U		4.6	U		4.9	U		5.2	U		5.2	U		4.8	U	
Endrin	ug/Kg	1620	4.1	U		4.6	U		4.9	U		5.2	U		5.2	U		4.8	U	
Endosulfan II	ug/Kg	22000	4.1	U		4.6	U		4.9	U		5.2	U		5.2	U		4.8	U	
4,4'-DDD	ug/Kg	1320	4.1	U		4.6	U		4.9	U		5.2	U		5.2	U		4.8	U	
Endosulfan sulfate	ug/Kg	22000	4.1	U		4.6	U		4.9	U		5.2	U		5.2	U		4.8	U	
4,4'-DDT	ug/Kg	1340	4.1	U		4.6	U		4.9	U		5.2	U		5.2	U		4.8	U	
Methoxychlor	ug/Kg	31000	21	U		24	U		25	U		27	U		27	U		25	U	
Endrin ketone	ug/Kg	1620	4.1	U		4.6	U		4.9	U		5.2	U		5.2	U		4.8	U	
Endrin aldehyde	ug/Kg	1620	4.1	U		4.6	U		4.9	U		5.2	U		5.2	U		4.8	U	
alpha-Chlordane	ug/Kg	1600	2.1	U		2.4	U		2.5	U		0.59	J	#	2.7	U		1.2	JN	#
gamma-Chlordane	ug/Kg	1600	0.45	JN	#	2.4	U		2.5	U		2.7	U		2.7	U		2.5	U	
Toxaphene	ug/Kg	440	210	U		240	U		250	U		270	U		270	U		250	U	
Inorganic Analytes																				
Aluminum	mg/kg	7700	**15800**		A	**9960**		A	**10600**		A	**16000**		A	**23600**		A	**18400**		A
Antimony	mg/kg	3.1	1.8	U		2.1	U		2.2	U		9.2	U		9.4	U		8.6	U	
Arsenic	mg/kg	0.39	1.2	U		1.4	U		**0.7**	J	A	1.5	U		1.6	U		1.4	U	
Barium	mg/kg	1500	280		#	27.9	U		29.9	U		323		#	346		#	178		#
Beryllium	mg/kg	16	0.61	U		0.7	U		0.72	U		0.77	U		0.78	U		0.72	U	
Cadmium	mg/kg	7	0.61	U		0.7	U		0.72	U		0.76	U		0.78	U		0.72	U	
Calcium	mg/kg	N/A	2960		~	977		~	117	J	~	994		~	814		~	440	J	~
Chromium	mg/kg	0.29	**8.5**		A	**41.1**		A	**25.9**		A	**69.3**		A	**83.8**		A	**80.6**		A
Cobalt	mg/kg	2.3	**18.7**	J	A	**3.1**	J	A	**2.4**	J	A	**84.7**		A	**114**		A	**38.2**		A

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		Sample Code	IVSB-05-D			IVSB-06-A			IVSB-06-B			IVSB-06-C			IVSB-06-D			IVSB-07-A		
		Location	IVSB-05			IVSB-06			IVSB-06			IVSB-06			IVSB-06			IVSB-07		
		Sample Date	12/4/2007			12/4/2007			12/4/2007			12/4/2007			12/4/2007			12/4/2007		
		Depth	62 to 64 ft			1 to 2 ft			5 to 7 ft			41 to 43 ft			62 to 64 ft			1 to 2 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Copper	mg/kg	310	71.4		#	83.8		#	91.7		#	131		#	276		#	142		#
Cyanide	mg/kg	4.7	3.1	U		3.5	U		3.6	U		3.9	U		3.9	U		3.6	U	
Iron	mg/kg	5400	**39600**		A	**82300**		A	**85000**		A	**71100**		A	**56100**		A	**63800**		A
Lead	mg/kg	280	1.2	UJ		1.4	UJ		1.4	UJ		1.5	UJ		1.6	UJ		1.4	UJ	
Magnesium	mg/kg	N/A	9200	J	~	291	J	~	240	J	~	2660		~	3450		~	1160		~
Manganese	mg/kg	21	**874**	J	A	**809**	J	A	**1040**	J	A	**2890**		A	**2360**		A	**1120**		A
Mercury	mg/kg	2	0.12	U		0.076	J	#	0.14	U		0.051	J	#	0.071	J	#	0.11	J	#
Nickel	mg/kg	150	5.8		#	5.8		#	5.8		#	38		#	55.4		#	27.7		#
Potassium	mg/kg	N/A	395	J	~	244	J	~	239	J	~	460	J	~	527	J	~	194	J	~
Selenium	mg/kg	5.2	4.3	UJ		4.9	UJ		5.1	UJ		5.3	U		5.5	U		5	U	
Silver	mg/kg	12	3.8	J	#	7.9	J	#	7.3	J	#	6.8	J	#	5.3	J	#	6	J	#
Sodium	mg/kg	N/A	611	U		696	U		722	U		763	U		44.5	J	~	717	U	
Thallium	mg/kg	0.08	0.3	U		0.35	U		0.36	U		3.8	UJ		3.9	UJ		3.6	UJ	
Vanadium	mg/kg	39	**114**		A	**248**		A	**201**		A	**221**		A	**139**		A	**185**		A
Zinc	mg/kg	2300	51.1		#	33.4		#	31.3		#	57.8		#	134		#	53.9		#
Additional Parameters																				
% GRANULE & LARGER >2 MM	%	N/A													0		~			
% VERY COURSE SAND >1 - 2 MM	%	N/A													2		~			
% COARSE SAND >.5 - 1 MM	%	N/A													4		~			
% MEDIUM SAND >.25 - .5 MM	%	N/A													7		~			
% FINE SAND >.125 - .25 MM	%	N/A													7		~			
% VERY FINE SAND >.0625 - .125 MM	%	N/A													5		~			
% SILT	%	N/A													57		~			
% CLAY & COLLOIDS	%	N/A													19		~			
pH	s.u.	N/A													6		~			
Total Organic Carbon	mg/Kg	N/A													150	J	~			

Notes:
Highlight indicates exceedance
SC - Site Specific Screening Criteria
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter

Q - Qualifier
C - Comparison Flag

IVAX - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IVSB-05-D			IVSB-06-A			IVSB-06-B			IVSB-06-C			IVSB-06-D			IVSB-07-A		
		Location	IVSB-05			IVSB-06			IVSB-06			IVSB-06			IVSB-06			IVSB-07		
		Sample Date	12/4/2007			12/4/2007			12/4/2007			12/4/2007			12/4/2007			12/4/2007		
		Depth	62 to 64 ft			1 to 2 ft			5 to 7 ft			41 to 43 ft			62 to 64 ft			1 to 2 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

IVAX - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IVSB-07-B			IVSB-07-C			IVSB-07-D			IVSB-08-A			IVSB-08-B			IVSB-08-C		
		Location	IVSB-07			IVSB-07			IVSB-07			IVSB-08			IVSB-08			IVSB-08		
		Sample Date	12/4/2007			12/4/2007			12/4/2007			12/5/2007			12/5/2007			12/5/2007		
		Depth	9 to 11 ft			21 to 23 ft			53 to 55 ft			2 to 4 ft			6 to 8 ft			21 to 23 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
Chloromethane	ug/Kg	980	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
Vinyl Chloride	ug/Kg	13.8	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
Bromomethane	ug/Kg	36	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
Chloroethane	ug/Kg	118000	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
Trichlorofluoromethane	ug/Kg	13800	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
1,1-Dichloroethene	ug/Kg	50	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
Acetone	ug/Kg	48000	11	U		12	U		10	U		14	U		13	U		19	U	
Carbon Disulfide	ug/Kg	4200	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
Methyl Acetate	ug/Kg	64000	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
Methylene Chloride	ug/Kg	26	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
trans-1,2-Dichloroethene	ug/Kg	580	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
Methyl tert-Butyl Ether	ug/Kg	56	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
1,1-Dichloroethane	ug/Kg	13.6	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
cis-1,2-Dichloroethene	ug/Kg	420	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
2-Butanone	ug/Kg	20000	11	U		12	U		10	U		14	U		13	U		14	U	
Chlorobromomethane	ug/Kg	420	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
Chloroform	ug/Kg	290	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
1,1,1-Trichloroethane	ug/Kg	1400	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
Cyclohexane	ug/Kg	117000	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
Carbon Tetrachloride	ug/Kg	38	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
Benzene	ug/Kg	52	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
1,2-Dichloroethane	ug/Kg	28	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
1,4-Dioxane	ug/Kg	2.8	110	R		120	R		100	R		140	R		130	R		140	R	
Trichloroethene	ug/Kg	36	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	

IVAX - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IVSB-07-B			IVSB-07-C			IVSB-07-D			IVSB-08-A			IVSB-08-B			IVSB-08-C		
		Location	IVSB-07			IVSB-07			IVSB-07			IVSB-08			IVSB-08			IVSB-08		
		Sample Date	12/4/2007			12/4/2007			12/4/2007			12/5/2007			12/5/2007			12/5/2007		
		Depth	9 to 11 ft			21 to 23 ft			53 to 55 ft			2 to 4 ft			6 to 8 ft			21 to 23 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
1,2-Dichloropropane	ug/Kg	34	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
Bromodichloromethane	ug/Kg	270	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
cis-1,3-Dichloropropene	ug/Kg	3	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
4-Methyl-2-pentanone	ug/Kg	4600	11	U		12	U		10	U		14	U		13	U		14	U	
Toluene	ug/Kg	13800	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
trans-1,3-Dichloropropene	ug/Kg	3	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
1,1,2-Trichloroethane	ug/Kg	32	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
Tetrachloroethene	ug/Kg	46	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
2-Hexanone	ug/Kg	158	11	U		12	U		10	U		14	U		13	U		14	U	
Dibromochloromethane	ug/Kg	420	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
1,2-Dibromoethane	ug/Kg	0.28	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
Chlorobenzene	ug/Kg	1360	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
Ethylbenzene	ug/Kg	5400	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
o-Xylene	ug/Kg	3800	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
m,p-Xylene	ug/Kg	3600	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
Styrene	ug/Kg	2200	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
Bromoform	ug/Kg	420	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
Isopropylbenzene	ug/Kg	12800	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
1,3-Dichlorobenzene	ug/Kg	N/A	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
1,4-Dichlorobenzene	ug/Kg	1440	0.76	J	#	0.86	J	#	0.62	J	#	7.2	U		1.4	J	#	1.3	J	#
1,2-Dichlorobenzene	ug/Kg	11600	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
1,2,3-Trichlorobenzene	ug/Kg	300	5.6	U		6	U		5.2	U		7.2	U		6.4	U		6.8	U	
Semi-Volatile Organic Compounds																				

IVAX - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
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		Sample Code	IVSB-07-B			IVSB-07-C			IVSB-07-D			IVSB-08-A			IVSB-08-B			IVSB-08-C		
		Location	IVSB-07			IVSB-07			IVSB-07			IVSB-08			IVSB-08			IVSB-08		
		Sample Date	12/4/2007			12/4/2007			12/4/2007			12/5/2007			12/5/2007			12/5/2007		
		Depth	9 to 11 ft			21 to 23 ft			53 to 55 ft			2 to 4 ft			6 to 8 ft			21 to 23 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/Kg	6600	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
Phenol	ug/Kg	52000	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
bis(2-Chloroethyl) ether	ug/Kg	0.06	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
2-Chlorophenol	ug/Kg	1140	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
2-Methylphenol	ug/Kg	11600	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
Acetophenone	ug/Kg	9000	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
4-Methylphenol	ug/Kg	22000	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
n-Nitroso-di-n-propylamine	ug/Kg	0.14	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
Hexachloroethane	ug/Kg	9.6	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
Nitrobenzene	ug/Kg	1.58	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
Isophorone	ug/Kg	440	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
2-Nitrophenol	ug/Kg	N/A	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
2,4-Dimethylphenol	ug/Kg	6400	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
bis(2-Chloroethoxy)methane	ug/Kg	220	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
2,4-Dichlorophenol	ug/Kg	820	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
Naphthalene	ug/Kg	9.4	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
4-Chloroaniline	ug/Kg	2.6	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
Hexachlorobutadiene	ug/Kg	10	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
Caprolactam	ug/Kg	38000	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
4-Chloro-3-methylphenol	ug/Kg	26000	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
2-Methylnaphthalene	ug/Kg	2800	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
Hexachlorocyclopentadiene	ug/Kg	3200	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
2,4,6-Trichlorophenol	ug/Kg	260	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
2,4,5-Trichlorophenol	ug/Kg	66000	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
1,1'-Biphenyl	ug/Kg	174	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
2-Chloronaphthalene	ug/Kg	58000	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
2-Nitroaniline	ug/Kg	1240	470	U		510	UJ		430	UJ		460	UJ		450	UJ		470	UJ	

IVAX - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
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		Sample Code	IVSB-07-B			IVSB-07-C			IVSB-07-D			IVSB-08-A			IVSB-08-B			IVSB-08-C		
		Location	IVSB-07			IVSB-07			IVSB-07			IVSB-08			IVSB-08			IVSB-08		
		Sample Date	12/4/2007			12/4/2007			12/4/2007			12/5/2007			12/5/2007			12/5/2007		
		Depth	9 to 11 ft			21 to 23 ft			53 to 55 ft			2 to 4 ft			6 to 8 ft			21 to 23 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Dimethylphthalate	ug/Kg	N/A	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
2,6-Dinitrotoluene	ug/Kg	400	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
Acenaphthylene	ug/Kg	N/A	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
3-Nitroaniline	ug/Kg	N/A	470	U		510	UJ		430	UJ		460	UJ		450	UJ		470	UJ	
Acenaphthene	ug/Kg	82000	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
2,4-Dinitrophenol	ug/Kg	680	470	U		510	UJ		430	UJ		460	UJ		450	UJ		470	UJ	
4-Nitrophenol	ug/Kg	N/A	470	U		510	UJ		430	UJ		460	UJ		450	UJ		470	UJ	
Dibenzofuran	ug/Kg	N/A	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
2,4-Dinitrotoluene	ug/Kg	5.6	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
Diethylphthalate	ug/Kg	94000	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
Fluorene	ug/Kg	80000	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
4-Chlorophenyl-phenylether	ug/Kg	N/A	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
4-Nitroaniline	ug/Kg	28	470	U		510	UJ		430	UJ		460	UJ		450	UJ		470	UJ	
4,6-Dinitro-2-methylphenol	ug/Kg	40	470	U		510	UJ		430	UJ		460	UJ		450	UJ		470	UJ	
n-Nitrosodiphenylamine	ug/Kg	1140	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
4-Bromophenyl-phenylether	ug/Kg	N/A	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
Hexachlorobenzene	ug/Kg	260	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
Atrazine	ug/Kg	38	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
Pentachlorophenol	ug/Kg	200	470	U		510	UJ		430	UJ		460	UJ		450	UJ		470	UJ	
Phenanthrene	ug/Kg	N/A	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
Anthracene	ug/Kg	840000	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
Carbazole	ug/Kg	N/A	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
Di-n-butylphthalate	ug/Kg	34000	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
Fluoranthene	ug/Kg	230000	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
Pyrene	ug/Kg	170000	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
Butylbenzylphthalate	ug/Kg	4000	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
3,3'-Dichlorobenzidine	ug/Kg	14.2	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	

IVAX - Soil Sample Results Full Table
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		Sample Code	IVSB-07-B			IVSB-07-C			IVSB-07-D			IVSB-08-A			IVSB-08-B			IVSB-08-C		
		Location	IVSB-07			IVSB-07			IVSB-07			IVSB-08			IVSB-08			IVSB-08		
		Sample Date	12/4/2007			12/4/2007			12/4/2007			12/5/2007			12/5/2007			12/5/2007		
		Depth	9 to 11 ft			21 to 23 ft			53 to 55 ft			2 to 4 ft			6 to 8 ft			21 to 23 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzo(a)anthracene	ug/Kg	150	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
Chrysene	ug/Kg	15000	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
Di-n-octylphthalate	ug/Kg	N/A	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
Benzo(b)fluoranthene	ug/Kg	150	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
Benzo(k)fluoranthene	ug/Kg	1500	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
Benzo(a)pyrene	ug/Kg	15	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
Dibenz(a,h)anthracene	ug/Kg	15	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
Benzo(g,h,i)perylene	ug/Kg	N/A	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
Chlorophenols	ug/Kg	22000	240	U		260	UJ		220	UJ		240	UJ		230	UJ		240	UJ	
PCBs																				
Aroclor-1016	ug/Kg	390	47	U		51	U		43	U		46	U		45	U		47	U	
Aroclor-1221	ug/Kg	1.48	47	U		51	U		43	U		46	U		45	U		47	U	
Aroclor-1232	ug/Kg	1.48	47	U		51	U		43	U		46	U		45	U		47	U	
Aroclor-1242	ug/Kg	106	47	U		51	U		43	U		46	U		45	U		47	U	
Aroclor-1248	ug/Kg	104	47	U		51	U		43	U		46	U		45	U		47	U	
Aroclor-1254	ug/Kg	110	47	U		51	U		43	U		46	U		45	U		47	U	
Aroclor-1260	ug/Kg	220	47	U		51	U		43	U		46	U		45	U		47	U	
Aroclor-1262	ug/Kg	220	47	U		51	U		43	U		46	U		45	U		47	U	
Aroclor-1268	ug/Kg	220	47	U		51	U		43	U		46	U		45	U		47	U	
Pesticides																				
alpha-BHC	ug/Kg	0.72	2.4	U		2.6	U		2.2	U		2.4	U		2.3	U		2.4	U	
beta-BHC	ug/Kg	2.6	2.4	U		2.6	U		2.2	U		2.4	U		2.3	U		2.4	U	
delta-BHC	ug/Kg	N/A	2.4	U		2.6	U		2.2	U		2.4	U		2.3	U		2.4	U	
gamma-BHC (Lindane)	ug/Kg	24	2.4	U		2.6	U		2.2	U		2.4	U		2.3	U		2.4	U	

IVAX - Soil Sample Results Full Table
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		Sample Code	IVSB-07-B			IVSB-07-C			IVSB-07-D			IVSB-08-A			IVSB-08-B			IVSB-08-C		
		Location	IVSB-07			IVSB-07			IVSB-07			IVSB-08			IVSB-08			IVSB-08		
		Sample Date	12/4/2007			12/4/2007			12/4/2007			12/5/2007			12/5/2007			12/5/2007		
		Depth	9 to 11 ft			21 to 23 ft			53 to 55 ft			2 to 4 ft			6 to 8 ft			21 to 23 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Heptachlor	ug/Kg	110	2.4	U		2.6	U		2.2	U		2.4	U		2.3	U		2.4	U	
Aldrin	ug/Kg	0.68	2.4	U		2.6	U		2.2	U		2.4	U		2.3	U		2.4	U	
Heptachlor epoxide	ug/Kg	53	2.4	U		2.6	U		2.2	U		2.4	U		2.3	U		2.4	U	
Endosulfan I	ug/Kg	22000	2.4	U		2.6	U		2.2	U		2.4	U		2.3	U		2.4	U	
Dieldrin	ug/Kg	1.22	4.7	U		5.1	U		4.3	U		4.6	U		4.5	U		4.7	U	
4,4'-DDE	ug/Kg	920	4.7	U		5.1	U		4.3	U		4.6	U		4.5	U		4.7	U	
Endrin	ug/Kg	1620	4.7	U		5.1	U		4.3	U		4.6	U		4.5	U		4.7	U	
Endosulfan II	ug/Kg	22000	4.7	U		5.1	U		4.3	U		4.6	U		4.5	U		4.7	U	
4,4'-DDD	ug/Kg	1320	4.7	U		5.1	U		4.3	U		4.6	U		4.5	U		4.7	U	
Endosulfan sulfate	ug/Kg	22000	4.7	U		5.1	U		4.3	U		4.6	U		4.5	U		4.7	U	
4,4'-DDT	ug/Kg	1340	4.7	U		5.1	U		4.3	U		4.6	U		4.5	U		4.7	U	
Methoxychlor	ug/Kg	31000	24	U		26	U		22	U		24	U		23	U		24	U	
Endrin ketone	ug/Kg	1620	4.7	U		5.1	U		4.3	U		4.6	U		4.5	U		4.7	U	
Endrin aldehyde	ug/Kg	1620	4.7	U		5.1	U		4.3	U		4.6	U		4.5	U		4.7	U	
alpha-Chlordane	ug/Kg	1600	1.4	J	#	2.6	U		2.2	U		2.4	U		2.3	U		2.4	U	
gamma-Chlordane	ug/Kg	1600	2.4	U		2.6	U		2.2	U		2.4	U		2.3	U		2.4	U	
Toxaphene	ug/Kg	440	240	U		260	U		220	U		240	U		230	U		240	U	
Inorganic Analytes																				
Aluminum	mg/kg	7700	**14200**		A	**15800**		A	**19500**		A	**11100**		A	**15300**		A	**18600**		A
Antimony	mg/kg	3.1	8.5	U		4.6	U		4.1	U		4.4	U		4	U		4.2	U	
Arsenic	mg/kg	0.39	1.4	U		**0.66**	J	A	1.4	U		1.5	U		1.3	U		1.4	U	
Barium	mg/kg	1500	185		#	297		#	490		#	787		#	376	J	#	292		#
Beryllium	mg/kg	16	0.71	U		0.77	U		0.68	U		1.1		#	1.5		#	1.1		#
Cadmium	mg/kg	7	0.71	U		2.1		#	2.3		#	0.77		#	1.9		#	2.1		#
Calcium	mg/kg	N/A	280	J	~	815	J	~	1930	J	~	623	J	~	945	J	~	1280	J	~
Chromium	mg/kg	0.29	**47.9**		A	**50.9**		A	**86**		A	**23.5**		A	**40.6**	J	A	**55.6**		A
Cobalt	mg/kg	2.3	**192**		A	**50.1**		A	**37.4**		A	**605**		A	**118**	J	A	**49.4**		A

IVAX - Soil Sample Results Full Table
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		Sample Code	IVSB-07-B			IVSB-07-C			IVSB-07-D			IVSB-08-A			IVSB-08-B			IVSB-08-C		
		Location	IVSB-07			IVSB-07			IVSB-07			IVSB-08			IVSB-08			IVSB-08		
		Sample Date	12/4/2007			12/4/2007			12/4/2007			12/5/2007			12/5/2007			12/5/2007		
		Depth	9 to 11 ft			21 to 23 ft			53 to 55 ft			2 to 4 ft			6 to 8 ft			21 to 23 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Copper	mg/kg	310	115		#	194		#	184		#	211		#	195	J	#	50.5		#
Cyanide	mg/kg	4.7	3.5	U		3.9	U		3.4	U		3.7	U		3.4	U		3.6	U	
Iron	mg/kg	5400	**63200**		A	**72200**		A	**59900**		A	**34000**		A	**54800**		A	**54600**		A
Lead	mg/kg	280	1.4	UJ		1.5	UJ		1.4	UJ		1.5	UJ		1.3	UJ		1.4	UJ	
Magnesium	mg/kg	N/A	747		~	3020		~	9910		~	4710		~	7770	J	~	8740		~
Manganese	mg/kg	21	**1980**		A	**1980**	J	A	**1510**	J	A	**4250**	J	A	**1910**	J	A	**1370**	J	A
Mercury	mg/kg	2	0.089	J	#	0.047	J	#	0.13	U		0.14	U		0.13	U		0.14	U	
Nickel	mg/kg	150	15.7		#	26.2		#	68.6		#	69.1		#	59		#	81.4		#
Potassium	mg/kg	N/A	107	J	~	388	J	~	792	J	~	249	J	~	571	J	~	609	J	~
Selenium	mg/kg	5.2	5	U		5.4	UJ		4.8	UJ		5.1	UJ		4.7	UJ		5	UJ	
Silver	mg/kg	12	6	J	#	7.1	J	#	6.1	J	#	3.7	J	#	5.6	J	#	5.5	J	#
Sodium	mg/kg	N/A	707	U		773	U		119	J	~	281	J	~	382	J	~	295	J	~
Thallium	mg/kg	0.08	3.5	UJ		0.78	U		0.68	U		0.72	U		0.68	U		0.72	U	
Vanadium	mg/kg	39	**174**		A	**195**		A	**150**		A	**88.1**		A	**126**		A	**124**		A
Zinc	mg/kg	2300	33.9		#	70.1		#	165		#	294		#	402	J	#	353		#
Additional Parameters																				
% GRANULE & LARGER >2 MM	%	N/A																		
% VERY COURSE SAND >1 - 2 MM	%	N/A																		
% COARSE SAND >.5 - 1 MM	%	N/A																		
% MEDIUM SAND >.25 - .5 MM	%	N/A																		
% FINE SAND >.125 - .25 MM	%	N/A																		
% VERY FINE SAND >.0625 - .125 MM	%	N/A																		
% SILT	%	N/A																		
% CLAY & COLLOIDS	%	N/A																		
pH	s.u.	N/A																		
Total Organic Carbon	mg/Kg	N/A																		

Notes:
Highlight indicates exceedance
SC - Site Specific Screening Criteria
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter

Q - Qualifier
C - Comparison Flag

IVAX - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IVSB-07-B			IVSB-07-C			IVSB-07-D			IVSB-08-A			IVSB-08-B			IVSB-08-C		
		Location	IVSB-07			IVSB-07			IVSB-07			IVSB-08			IVSB-08			IVSB-08		
		Sample Date	12/4/2007			12/4/2007			12/4/2007			12/5/2007			12/5/2007			12/5/2007		
		Depth	9 to 11 ft			21 to 23 ft			53 to 55 ft			2 to 4 ft			6 to 8 ft			21 to 23 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

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Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IVSB-08-D			IVSB-09-A			IVSB-09-B			IVSB-09-C			IVSB-09-D			IVSB-10-A		
		Location	IVSB-08			IVSB-09			IVSB-09			IVSB-09			IVSB-09			IVSB-10		
		Sample Date	12/5/2007			12/4/2007			12/5/2007			12/5/2007			12/5/2007			12/5/2007		
		Depth	40 to 42 ft			0 to 0.1 ft			9 to 11 ft			21 to 23 ft			32 to 34 ft			1 to 2 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
Chloromethane	ug/Kg	980	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
Vinyl Chloride	ug/Kg	13.8	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
Bromomethane	ug/Kg	36	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
Chloroethane	ug/Kg	118000	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
Trichlorofluoromethane	ug/Kg	13800	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
1,1-Dichloroethene	ug/Kg	50	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
Acetone	ug/Kg	48000	14	U		12	U		15	U		13	U		10	U		13	U	
Carbon Disulfide	ug/Kg	4200	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
Methyl Acetate	ug/Kg	64000	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
Methylene Chloride	ug/Kg	26	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
trans-1,2-Dichloroethene	ug/Kg	580	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
Methyl tert-Butyl Ether	ug/Kg	56	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
1,1-Dichloroethane	ug/Kg	13.6	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
cis-1,2-Dichloroethene	ug/Kg	420	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
2-Butanone	ug/Kg	20000	12	U		12	U		15	U		13	U		10	U		13	U	
Chlorobromomethane	ug/Kg	420	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
Chloroform	ug/Kg	290	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
Cyclohexane	ug/Kg	117000	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
Carbon Tetrachloride	ug/Kg	38	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
Benzene	ug/Kg	52	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
1,2-Dichloroethane	ug/Kg	28	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
1,4-Dioxane	ug/Kg	2.8	120	R		120	R		150	R		130	R		100	R		130	R	
Trichloroethene	ug/Kg	36	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	

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		Sample Code	IVSB-08-D			IVSB-09-A			IVSB-09-B			IVSB-09-C			IVSB-09-D			IVSB-10-A		
		Location	IVSB-08			IVSB-09			IVSB-09			IVSB-09			IVSB-09			IVSB-10		
		Sample Date	12/5/2007			12/4/2007			12/5/2007			12/5/2007			12/5/2007			12/5/2007		
		Depth	40 to 42 ft			0 to 0.1 ft			9 to 11 ft			21 to 23 ft			32 to 34 ft			1 to 2 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
1,2-Dichloropropane	ug/Kg	34	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
Bromodichloromethane	ug/Kg	270	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
cis-1,3-Dichloropropene	ug/Kg	3	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
4-Methyl-2-pentanone	ug/Kg	4600	12	U		12	U		15	U		13	U		10	U		13	U	
Toluene	ug/Kg	13800	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
trans-1,3-Dichloropropene	ug/Kg	3	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
1,1,2-Trichloroethane	ug/Kg	32	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
Tetrachloroethene	ug/Kg	46	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
2-Hexanone	ug/Kg	158	12	U		12	U		15	U		13	U		10	U		13	U	
Dibromochloromethane	ug/Kg	420	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
1,2-Dibromoethane	ug/Kg	0.28	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
Chlorobenzene	ug/Kg	1360	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
Ethylbenzene	ug/Kg	5400	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
o-Xylene	ug/Kg	3800	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
m,p-Xylene	ug/Kg	3600	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
Styrene	ug/Kg	2200	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
Bromoform	ug/Kg	420	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
Isopropylbenzene	ug/Kg	12800	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
1,4-Dichlorobenzene	ug/Kg	1440	1.1	J	#	0.77	J	#	7.3	U		0.66	J	#	0.59	J	#	0.81	J	#
1,2-Dichlorobenzene	ug/Kg	11600	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
1,2,3-Trichlorobenzene	ug/Kg	300	6.1	U		6.1	U		7.3	U		6.5	U		5.2	U		6.7	U	
Semi-Volatile Organic Compounds																				

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		Sample Code	IVSB-08-D			IVSB-09-A			IVSB-09-B			IVSB-09-C			IVSB-09-D			IVSB-10-A		
		Location	IVSB-08			IVSB-09			IVSB-09			IVSB-09			IVSB-09			IVSB-10		
		Sample Date	12/5/2007			12/4/2007			12/5/2007			12/5/2007			12/5/2007			12/5/2007		
		Depth	40 to 42 ft			0 to 0.1 ft			9 to 11 ft			21 to 23 ft			32 to 34 ft			1 to 2 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/Kg	6600	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
Phenol	ug/Kg	52000	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
bis(2-Chloroethyl) ether	ug/Kg	0.06	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
2-Chlorophenol	ug/Kg	1140	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
2-Methylphenol	ug/Kg	11600	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
Acetophenone	ug/Kg	9000	230	UJ		220	UJ		55	J	#	240	UJ		210	UJ		54	J	#
4-Methylphenol	ug/Kg	22000	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
n-Nitroso-di-n-propylamine	ug/Kg	0.14	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
Hexachloroethane	ug/Kg	9.6	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
Nitrobenzene	ug/Kg	1.58	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
Isophorone	ug/Kg	440	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
2-Nitrophenol	ug/Kg	N/A	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
2,4-Dimethylphenol	ug/Kg	6400	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
bis(2-Chloroethoxy)methane	ug/Kg	220	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
2,4-Dichlorophenol	ug/Kg	820	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
Naphthalene	ug/Kg	9.4	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
4-Chloroaniline	ug/Kg	2.6	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
Hexachlorobutadiene	ug/Kg	10	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
Caprolactam	ug/Kg	38000	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
4-Chloro-3-methylphenol	ug/Kg	26000	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
2-Methylnaphthalene	ug/Kg	2800	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
Hexachlorocyclopentadiene	ug/Kg	3200	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
2,4,6-Trichlorophenol	ug/Kg	260	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
2,4,5-Trichlorophenol	ug/Kg	66000	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
1,1'-Biphenyl	ug/Kg	174	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
2-Chloronaphthalene	ug/Kg	58000	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
2-Nitroaniline	ug/Kg	1240	440	UJ		430	UJ		490	UJ		460	UJ		410	UJ		460	UJ	

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		Sample Code	IVSB-08-D			IVSB-09-A			IVSB-09-B			IVSB-09-C			IVSB-09-D			IVSB-10-A		
		Location	IVSB-08			IVSB-09			IVSB-09			IVSB-09			IVSB-09			IVSB-10		
		Sample Date	12/5/2007			12/4/2007			12/5/2007			12/5/2007			12/5/2007			12/5/2007		
		Depth	40 to 42 ft			0 to 0.1 ft			9 to 11 ft			21 to 23 ft			32 to 34 ft			1 to 2 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Dimethylphthalate	ug/Kg	N/A	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
2,6-Dinitrotoluene	ug/Kg	400	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
Acenaphthylene	ug/Kg	N/A	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
3-Nitroaniline	ug/Kg	N/A	440	UJ		430	UJ		490	UJ		460	UJ		410	UJ		460	UJ	
Acenaphthene	ug/Kg	82000	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
2,4-Dinitrophenol	ug/Kg	680	440	UJ		430	UJ		490	UJ		460	UJ		410	UJ		460	UJ	
4-Nitrophenol	ug/Kg	N/A	440	UJ		430	UJ		490	UJ		460	UJ		410	UJ		460	UJ	
Dibenzofuran	ug/Kg	N/A	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
2,4-Dinitrotoluene	ug/Kg	5.6	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
Diethylphthalate	ug/Kg	94000	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
Fluorene	ug/Kg	80000	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
4-Chlorophenyl-phenylether	ug/Kg	N/A	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
4-Nitroaniline	ug/Kg	28	440	UJ		430	UJ		490	UJ		460	UJ		410	UJ		460	UJ	
4,6-Dinitro-2-methylphenol	ug/Kg	40	440	UJ		430	UJ		490	UJ		460	UJ		410	UJ		460	UJ	
n-Nitrosodiphenylamine	ug/Kg	1140	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
4-Bromophenyl-phenylether	ug/Kg	N/A	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
Hexachlorobenzene	ug/Kg	260	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
Atrazine	ug/Kg	38	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
Pentachlorophenol	ug/Kg	200	440	UJ		430	UJ		490	UJ		460	UJ		410	UJ		120	J	#
Phenanthrene	ug/Kg	N/A	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
Anthracene	ug/Kg	840000	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
Carbazole	ug/Kg	N/A	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
Di-n-butylphthalate	ug/Kg	34000	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
Fluoranthene	ug/Kg	230000	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
Pyrene	ug/Kg	170000	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
Butylbenzylphthalate	ug/Kg	4000	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
3,3'-Dichlorobenzidine	ug/Kg	14.2	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	

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		Sample Code	IVSB-08-D			IVSB-09-A			IVSB-09-B			IVSB-09-C			IVSB-09-D			IVSB-10-A		
		Location	IVSB-08			IVSB-09			IVSB-09			IVSB-09			IVSB-09			IVSB-10		
		Sample Date	12/5/2007			12/4/2007			12/5/2007			12/5/2007			12/5/2007			12/5/2007		
		Depth	40 to 42 ft			0 to 0.1 ft			9 to 11 ft			21 to 23 ft			32 to 34 ft			1 to 2 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzo(a)anthracene	ug/Kg	150	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
Chrysene	ug/Kg	15000	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
Di-n-octylphthalate	ug/Kg	N/A	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
Benzo(b)fluoranthene	ug/Kg	150	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
Benzo(k)fluoranthene	ug/Kg	1500	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
Benzo(a)pyrene	ug/Kg	15	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
Dibenz(a,h)anthracene	ug/Kg	15	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
Benzo(g,h,i)perylene	ug/Kg	N/A	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
Chlorophenols	ug/Kg	22000	230	UJ		220	UJ		250	UJ		240	UJ		210	UJ		240	UJ	
PCBs																				
Aroclor-1016	ug/Kg	390	44	U		43	U		49	U		46	U		41	U		46	U	
Aroclor-1221	ug/Kg	1.48	44	U		43	U		49	U		46	U		41	U		46	U	
Aroclor-1232	ug/Kg	1.48	44	U		43	U		49	U		46	U		41	U		46	U	
Aroclor-1242	ug/Kg	106	44	U		43	U		49	U		46	U		41	U		46	U	
Aroclor-1248	ug/Kg	104	44	U		43	U		49	U		46	U		41	U		46	U	
Aroclor-1254	ug/Kg	110	44	U		43	U		49	U		46	U		41	U		46	U	
Aroclor-1260	ug/Kg	220	44	U		43	U		49	U		46	U		41	U		46	U	
Aroclor-1262	ug/Kg	220	44	U		43	U		49	U		46	U		41	U		46	U	
Aroclor-1268	ug/Kg	220	44	U		43	U		49	U		46	U		41	U		46	U	
Pesticides																				
alpha-BHC	ug/Kg	0.72	2.3	U		2.2	U		2.5	U		2.4	U		2.1	U		2.4	U	
beta-BHC	ug/Kg	2.6	2.3	U		2.2	U		2.5	U		2.4	U		2.1	U		2.4	U	
delta-BHC	ug/Kg	N/A	2.3	U		2.2	U		2.5	U		2.4	U		2.1	U		2.4	U	
gamma-BHC (Lindane)	ug/Kg	24	2.3	U		2.2	U		2.5	U		2.4	U		2.1	U		2.4	U	

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		Sample Code	IVSB-08-D			IVSB-09-A			IVSB-09-B			IVSB-09-C			IVSB-09-D			IVSB-10-A		
		Location	IVSB-08			IVSB-09			IVSB-09			IVSB-09			IVSB-09			IVSB-10		
		Sample Date	12/5/2007			12/4/2007			12/5/2007			12/5/2007			12/5/2007			12/5/2007		
		Depth	40 to 42 ft			0 to 0.1 ft			9 to 11 ft			21 to 23 ft			32 to 34 ft			1 to 2 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Heptachlor	ug/Kg	110	2.3	U		2.2	U		2.5	U		2.4	U		2.1	U		2.4	U	
Aldrin	ug/Kg	0.68	2.3	U		2.2	U		2.5	U		2.4	U		2.1	U		2.4	U	
Heptachlor epoxide	ug/Kg	53	2.3	U		2.2	U		2.5	U		2.4	U		2.1	U		2.4	U	
Endosulfan I	ug/Kg	22000	2.3	U		2.2	U		2.5	U		2.4	U		2.1	U		2.4	U	
Dieldrin	ug/Kg	1.22	4.4	U		4.3	U		4.9	U		4.6	U		4.1	U		4.6	U	
4,4'-DDE	ug/Kg	920	4.4	U		4.3	U		4.9	U		4.6	U		4.1	U		4.6	U	
Endrin	ug/Kg	1620	4.4	U		4.3	U		4.9	U		4.6	U		4.1	U		4.6	U	
Endosulfan II	ug/Kg	22000	4.4	U		4.3	U		4.9	U		4.6	U		4.1	U		4.6	U	
4,4'-DDD	ug/Kg	1320	4.4	U		4.3	U		4.9	U		4.6	U		4.1	U		4.6	U	
Endosulfan sulfate	ug/Kg	22000	4.4	U		4.3	U		4.9	U		4.6	U		4.1	U		4.6	U	
4,4'-DDT	ug/Kg	1340	4.4	U		4.3	U		4.9	U		4.6	U		4.1	U		4.6	U	
Methoxychlor	ug/Kg	31000	23	U		22	U		25	U		24	U		21	U		24	U	
Endrin ketone	ug/Kg	1620	4.4	U		4.3	U		4.9	U		4.6	U		4.1	U		4.6	U	
Endrin aldehyde	ug/Kg	1620	4.4	U		4.3	U		4.9	U		4.6	U		4.1	U		4.6	U	
alpha-Chlordane	ug/Kg	1600	2.3	U		2.2	U		2.5	U		2.4	U		2.1	U		2.4	U	
gamma-Chlordane	ug/Kg	1600	2.3	U		2.2	U		2.5	U		2.4	U		2.1	U		2.4	U	
Toxaphene	ug/Kg	440	230	U		220	U		250	U		240	U		210	U		240	U	
Inorganic Analytes																				
Aluminum	mg/kg	7700	**17000**		A	**18600**		A	**20700**		A	**15600**		A	**16500**		A	**14600**		A
Antimony	mg/kg	3.1	4	U		4	U		4.4	U		4.2	U		3.6	U		4	U	
Arsenic	mg/kg	0.39	1.3	U		1.3	U		1.5	U		1.4	U		1.2	U		**1.7**		A
Barium	mg/kg	1500	319		#	296		#	371		#	317		#	489		#	115		#
Beryllium	mg/kg	16	0.65	U		0.66	U		1.1		#	0.73		#	0.65		#	0.68	U	
Cadmium	mg/kg	7	2.8		#	1.3		#	1.8		#	1.6		#	2.3		#	1.6	J	#
Calcium	mg/kg	N/A	3490	J	~	6610	J	~	3730	J	~	4550	J	~	9420	J	~	1230		~
Chromium	mg/kg	0.29	**44.4**		A	**72.8**		A	**71**		A	**40.3**		A	**37.9**		A	**47.3**		A
Cobalt	mg/kg	2.3	**32**		A	**80**		A	**70.2**		A	**140**		A	**112**		A	**24.2**		A

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		Sample Code	IVSB-08-D			IVSB-09-A			IVSB-09-B			IVSB-09-C			IVSB-09-D			IVSB-10-A		
		Location	IVSB-08			IVSB-09			IVSB-09			IVSB-09			IVSB-09			IVSB-10		
		Sample Date	12/5/2007			12/4/2007			12/5/2007			12/5/2007			12/5/2007			12/5/2007		
		Depth	40 to 42 ft			0 to 0.1 ft			9 to 11 ft			21 to 23 ft			32 to 34 ft			1 to 2 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Copper	mg/kg	310	84.2		#	127		#	190		#	93.9		#	75.9		#	84.5		#
Cyanide	mg/kg	4.7	3.3	U		3.4	U		3.7	U		3.5	U		3.1	U		0.12	J	#
Iron	mg/kg	5400	**51300**		A	**42900**		A	**55600**		A	**43500**		A	**36800**		A	**64600**		A
Lead	mg/kg	280	1.3	UJ		1.3	UJ		1.5	UJ		1.4	UJ		1.2	UJ		1.4	UJ	
Magnesium	mg/kg	N/A	11800		~	9260		~	10900		~	6920		~	7090		~	798		~
Manganese	mg/kg	21	**1360**	J	A	**1190**	J	A	**1170**	J	A	**1320**	J	A	**1770**	J	A	**3160**	J	A
Mercury	mg/kg	2	0.038	J	#	0.041	J	#	0.043	J	#	0.049	J	#	0.046	J	#	0.11	J	#
Nickel	mg/kg	150	59.5		#	43.9		#	67		#	64.6		#	57		#	13.3		#
Potassium	mg/kg	N/A	517	J	~	193	J	~	163	J	~	515	J	~	512	J	~	224	J	~
Selenium	mg/kg	5.2	4.5	UJ		4.7	UJ		5.2	UJ		4.9	UJ		4.3	UJ		4.7	UJ	
Silver	mg/kg	12	5.1	J	#	4.5	J	#	5.7	J	#	4.4	J	#	3.8	J	#	6.8	J	#
Sodium	mg/kg	N/A	377	J	~	578	J	~	426	J	~	478	J	~	690		~	106	J	~
Thallium	mg/kg	0.08	0.66	U		0.68	U		0.74	U		0.7	U		0.62	U		0.68	U	
Vanadium	mg/kg	39	**116**		A	**137**		A	**196**		A	**132**		A	**132**		A	**190**		A
Zinc	mg/kg	2300	173		#	193		#	268		#	157		#	160		#	54.4		#
Additional Parameters																				
% GRANULE & LARGER >2 MM	%	N/A							0		~				0		~			
% VERY COURSE SAND >1 - 2 MM	%	N/A							2		~				13		~			
% COARSE SAND >.5 - 1 MM	%	N/A							3		~				19		~			
% MEDIUM SAND >.25 - .5 MM	%	N/A							4		~				12		~			
% FINE SAND >.125 - .25 MM	%	N/A							5		~				8		~			
% VERY FINE SAND >.0625 - .125 MM	%	N/A							4		~				6		~			
% SILT	%	N/A							64		~				41		~			
% CLAY & COLLOIDS	%	N/A							18		~				1		~			
pH	s.u.	N/A							7		~				8		~			
Total Organic Carbon	mg/Kg	N/A							280	J	~				180	J	~			

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

Q - Qualifier

C - Comparison Flag

IVAX - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IVSB-08-D			IVSB-09-A			IVSB-09-B			IVSB-09-C			IVSB-09-D			IVSB-10-A		
		Location	IVSB-08			IVSB-09			IVSB-09			IVSB-09			IVSB-09			IVSB-10		
		Sample Date	12/5/2007			12/4/2007			12/5/2007			12/5/2007			12/5/2007			12/5/2007		
		Depth	40 to 42 ft			0 to 0.1 ft			9 to 11 ft			21 to 23 ft			32 to 34 ft			1 to 2 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

IVAX - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IVSB-10-B			IVSB-10-C			IVSB-10-D		
		Location	IVSB-10			IVSB-10			IVSB-10		
		Sample Date	12/5/2007			12/5/2007			12/5/2007		
		Depth	8 to 10 ft			22 to 24 ft			32 to 34 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds											
Dichlorodifluoromethane	ug/Kg	6000	6.3	U		6.8	U		5.6	U	
Chloromethane	ug/Kg	980	6.3	U		6.8	U		5.6	U	
Vinyl Chloride	ug/Kg	13.8	6.3	U		6.8	U		5.6	U	
Bromomethane	ug/Kg	36	6.3	U		6.8	U		5.6	U	
Chloroethane	ug/Kg	118000	6.3	U		6.8	U		5.6	U	
Trichlorofluoromethane	ug/Kg	13800	6.3	U		6.8	U		5.6	U	
1,1-Dichloroethene	ug/Kg	50	6.3	U		6.8	U		5.6	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.3	U		6.8	U		5.6	U	
Acetone	ug/Kg	48000	130		#	14	U		14	U	
Carbon Disulfide	ug/Kg	4200	6.3	U		6.8	U		5.6	U	
Methyl Acetate	ug/Kg	64000	6.3	U		6.8	U		5.6	U	
Methylene Chloride	ug/Kg	26	6.3	U		6.8	U		5.6	U	
trans-1,2-Dichloroethene	ug/Kg	580	6.3	U		6.8	U		5.6	U	
Methyl tert-Butyl Ether	ug/Kg	56	6.3	U		6.8	U		5.6	U	
1,1-Dichloroethane	ug/Kg	13.6	6.3	U		6.8	U		5.6	U	
cis-1,2-Dichloroethene	ug/Kg	420	6.3	U		6.8	U		5.6	U	
2-Butanone	ug/Kg	20000	25		#	14	U		11	U	
Chlorobromomethane	ug/Kg	420	6.3	U		6.8	U		5.6	U	
Chloroform	ug/Kg	290	6.3	U		6.8	U		5.6	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.3	U		6.8	U		5.6	U	
Cyclohexane	ug/Kg	117000	6.3	U		6.8	U		5.6	U	
Carbon Tetrachloride	ug/Kg	38	6.3	U		6.8	U		5.6	U	
Benzene	ug/Kg	52	6.3	U		6.8	U		5.6	U	
1,2-Dichloroethane	ug/Kg	28	6.3	U		6.8	U		5.6	U	
1,4-Dioxane	ug/Kg	2.8	130	R		140	R		110	R	
Trichloroethene	ug/Kg	36	6.3	U		6.8	U		5.6	U	

IVAX - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IVSB-10-B			IVSB-10-C			IVSB-10-D		
		Location	IVSB-10			IVSB-10			IVSB-10		
		Sample Date	12/5/2007			12/5/2007			12/5/2007		
		Depth	8 to 10 ft			22 to 24 ft			32 to 34 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	6.3	U		6.8	U		5.6	U	
1,2-Dichloropropane	ug/Kg	34	6.3	U		6.8	U		5.6	U	
Bromodichloromethane	ug/Kg	270	6.3	U		6.8	U		5.6	U	
cis-1,3-Dichloropropene	ug/Kg	3	6.3	U		6.8	U		5.6	U	
4-Methyl-2-pentanone	ug/Kg	4600	13	U		14	U		11	U	
Toluene	ug/Kg	13800	6.3	U		6.8	U		5.6	U	
trans-1,3-Dichloropropene	ug/Kg	3	6.3	U		6.8	U		5.6	U	
1,1,2-Trichloroethane	ug/Kg	32	6.3	U		6.8	U		5.6	U	
Tetrachloroethene	ug/Kg	46	6.3	U		6.8	U		5.6	U	
2-Hexanone	ug/Kg	158	13	U		14	U		11	U	
Dibromochloromethane	ug/Kg	420	6.3	U		6.8	U		5.6	U	
1,2-Dibromoethane	ug/Kg	0.28	6.3	U		6.8	U		5.6	U	
Chlorobenzene	ug/Kg	1360	6.3	U		6.8	U		5.6	U	
Ethylbenzene	ug/Kg	5400	6.3	U		6.8	U		5.6	U	
o-Xylene	ug/Kg	3800	6.3	U		6.8	U		5.6	U	
m,p-Xylene	ug/Kg	3600	6.3	U		6.8	U		5.6	U	
Styrene	ug/Kg	2200	6.3	U		6.8	U		5.6	U	
Bromoform	ug/Kg	420	6.3	U		6.8	U		5.6	U	
Isopropylbenzene	ug/Kg	12800	6.3	U		6.8	U		5.6	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	6.3	U		6.8	U		5.6	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.3	U		6.8	U		5.6	U	
1,4-Dichlorobenzene	ug/Kg	1440	1	J	#	0.82	J	#	1	J	#
1,2-Dichlorobenzene	ug/Kg	11600	6.3	U		6.8	U		5.6	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.3	U		6.8	U		5.6	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.3	U		6.8	U		5.6	U	
1,2,3-Trichlorobenzene	ug/Kg	300	6.3	U		6.8	U		5.6	U	
Semi-Volatile Organic Compounds											

IVAX - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IVSB-10-B			IVSB-10-C			IVSB-10-D		
		Location	IVSB-10			IVSB-10			IVSB-10		
		Sample Date	12/5/2007			12/5/2007			12/5/2007		
		Depth	8 to 10 ft			22 to 24 ft			32 to 34 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/Kg	6600	230	UJ		250	UJ		210	UJ	
Phenol	ug/Kg	52000	230	UJ		250	UJ		210	UJ	
bis(2-Chloroethyl) ether	ug/Kg	0.06	230	UJ		250	UJ		210	UJ	
2-Chlorophenol	ug/Kg	1140	230	UJ		250	UJ		210	UJ	
2-Methylphenol	ug/Kg	11600	230	UJ		250	UJ		210	UJ	
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	230	UJ		250	UJ		210	UJ	
Acetophenone	ug/Kg	9000	230	UJ		250	UJ		210	UJ	
4-Methylphenol	ug/Kg	22000	230	UJ		250	UJ		210	UJ	
n-Nitroso-di-n-propylamine	ug/Kg	0.14	230	UJ		250	UJ		210	UJ	
Hexachloroethane	ug/Kg	9.6	230	UJ		250	UJ		210	UJ	
Nitrobenzene	ug/Kg	1.58	230	UJ		250	UJ		210	UJ	
Isophorone	ug/Kg	440	230	UJ		250	UJ		210	UJ	
2-Nitrophenol	ug/Kg	N/A	230	UJ		250	UJ		210	UJ	
2,4-Dimethylphenol	ug/Kg	6400	230	UJ		250	UJ		210	UJ	
bis(2-Chloroethoxy)methane	ug/Kg	220	230	UJ		250	UJ		210	UJ	
2,4-Dichlorophenol	ug/Kg	820	230	UJ		250	UJ		210	UJ	
Naphthalene	ug/Kg	9.4	230	UJ		250	UJ		210	UJ	
4-Chloroaniline	ug/Kg	2.6	230	UJ		250	UJ		210	UJ	
Hexachlorobutadiene	ug/Kg	10	230	UJ		250	UJ		210	UJ	
Caprolactam	ug/Kg	38000	230	UJ		250	UJ		210	UJ	
4-Chloro-3-methylphenol	ug/Kg	26000	230	UJ		250	UJ		210	UJ	
2-Methylnaphthalene	ug/Kg	2800	230	UJ		250	UJ		210	UJ	
Hexachlorocyclopentadiene	ug/Kg	3200	230	UJ		250	UJ		210	UJ	
2,4,6-Trichlorophenol	ug/Kg	260	230	UJ		250	UJ		210	UJ	
2,4,5-Trichlorophenol	ug/Kg	66000	230	UJ		250	UJ		210	UJ	
1,1'-Biphenyl	ug/Kg	174	230	UJ		250	UJ		210	UJ	
2-Chloronaphthalene	ug/Kg	58000	230	UJ		250	UJ		210	UJ	
2-Nitroaniline	ug/Kg	1240	450	UJ		480	UJ		400	UJ	

IVAX - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IVSB-10-B			IVSB-10-C			IVSB-10-D		
		Location	IVSB-10			IVSB-10			IVSB-10		
		Sample Date	12/5/2007			12/5/2007			12/5/2007		
		Depth	8 to 10 ft			22 to 24 ft			32 to 34 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Dimethylphthalate	ug/Kg	N/A	230	UJ		250	UJ		210	UJ	
2,6-Dinitrotoluene	ug/Kg	400	230	UJ		250	UJ		210	UJ	
Acenaphthylene	ug/Kg	N/A	230	UJ		250	UJ		210	UJ	
3-Nitroaniline	ug/Kg	N/A	450	UJ		480	UJ		400	UJ	
Acenaphthene	ug/Kg	82000	230	UJ		250	UJ		210	UJ	
2,4-Dinitrophenol	ug/Kg	680	450	UJ		480	UJ		400	UJ	
4-Nitrophenol	ug/Kg	N/A	450	UJ		480	UJ		400	UJ	
Dibenzofuran	ug/Kg	N/A	230	UJ		250	UJ		210	UJ	
2,4-Dinitrotoluene	ug/Kg	5.6	230	UJ		250	UJ		210	UJ	
Diethylphthalate	ug/Kg	94000	230	UJ		250	UJ		210	UJ	
Fluorene	ug/Kg	80000	230	UJ		250	UJ		210	UJ	
4-Chlorophenyl-phenylether	ug/Kg	N/A	230	UJ		250	UJ		210	UJ	
4-Nitroaniline	ug/Kg	28	450	UJ		480	UJ		400	UJ	
4,6-Dinitro-2-methylphenol	ug/Kg	40	450	UJ		480	UJ		400	UJ	
n-Nitrosodiphenylamine	ug/Kg	1140	230	UJ		250	UJ		210	UJ	
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	230	UJ		250	UJ		210	UJ	
4-Bromophenyl-phenylether	ug/Kg	N/A	230	UJ		250	UJ		210	UJ	
Hexachlorobenzene	ug/Kg	260	230	UJ		250	UJ		210	UJ	
Atrazine	ug/Kg	38	230	UJ		250	UJ		210	UJ	
Pentachlorophenol	ug/Kg	200	450	UJ		480	UJ		400	UJ	
Phenanthrene	ug/Kg	N/A	230	UJ		250	UJ		210	UJ	
Anthracene	ug/Kg	840000	230	UJ		250	UJ		210	UJ	
Carbazole	ug/Kg	N/A	230	UJ		250	UJ		210	UJ	
Di-n-butylphthalate	ug/Kg	34000	230	UJ		250	UJ		210	UJ	
Fluoranthene	ug/Kg	230000	230	UJ		250	UJ		210	UJ	
Pyrene	ug/Kg	170000	230	UJ		250	UJ		210	UJ	
Butylbenzylphthalate	ug/Kg	4000	230	UJ		250	UJ		210	UJ	
3,3'-Dichlorobenzidine	ug/Kg	14.2	230	UJ		250	UJ		210	UJ	

IVAX - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IVSB-10-B			IVSB-10-C			IVSB-10-D		
		Location	IVSB-10			IVSB-10			IVSB-10		
		Sample Date	12/5/2007			12/5/2007			12/5/2007		
		Depth	8 to 10 ft			22 to 24 ft			32 to 34 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Benzo(a)anthracene	ug/Kg	150	230	UJ		250	UJ		210	UJ	
Chrysene	ug/Kg	15000	230	UJ		250	UJ		210	UJ	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	450	J	#	250	UJ		210	UJ	
Di-n-octylphthalate	ug/Kg	N/A	230	UJ		250	UJ		210	UJ	
Benzo(b)fluoranthene	ug/Kg	150	230	UJ		250	UJ		210	UJ	
Benzo(k)fluoranthene	ug/Kg	1500	230	UJ		250	UJ		210	UJ	
Benzo(a)pyrene	ug/Kg	15	230	UJ		250	UJ		210	UJ	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	230	UJ		250	UJ		210	UJ	
Dibenz(a,h)anthracene	ug/Kg	15	230	UJ		250	UJ		210	UJ	
Benzo(g,h,i)perylene	ug/Kg	N/A	230	UJ		250	UJ		210	UJ	
Chlorophenols	ug/Kg	22000	230	UJ		250	UJ		210	UJ	
PCBs											
Aroclor-1016	ug/Kg	390	45	U		48	U		40	U	
Aroclor-1221	ug/Kg	1.48	45	U		48	U		40	U	
Aroclor-1232	ug/Kg	1.48	45	U		48	U		40	U	
Aroclor-1242	ug/Kg	106	45	U		48	U		40	U	
Aroclor-1248	ug/Kg	104	45	U		48	U		40	U	
Aroclor-1254	ug/Kg	110	45	U		48	U		40	U	
Aroclor-1260	ug/Kg	220	45	U		48	U		40	U	
Aroclor-1262	ug/Kg	220	45	U		48	U		40	U	
Aroclor-1268	ug/Kg	220	45	U		48	U		40	U	
Pesticides											
alpha-BHC	ug/Kg	0.72	2.3	U		2.5	U		2	U	
beta-BHC	ug/Kg	2.6	2.3	U		2.5	U		2	U	
delta-BHC	ug/Kg	N/A	2.3	U		2.5	U		2	U	
gamma-BHC (Lindane)	ug/Kg	24	2.3	U		2.5	U		2	U	

IVAX - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IVSB-10-B			IVSB-10-C			IVSB-10-D		
		Location	IVSB-10			IVSB-10			IVSB-10		
		Sample Date	12/5/2007			12/5/2007			12/5/2007		
		Depth	8 to 10 ft			22 to 24 ft			32 to 34 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Heptachlor	ug/Kg	110	2.3	U		2.5	U		2	U	
Aldrin	ug/Kg	0.68	2.3	U		2.5	U		2	U	
Heptachlor epoxide	ug/Kg	53	2.3	U		2.5	U		2	U	
Endosulfan I	ug/Kg	22000	2.3	U		2.5	U		2	U	
Dieldrin	ug/Kg	1.22	4.5	U		4.8	U		4	U	
4,4'-DDE	ug/Kg	920	4.5	U		4.8	U		4	U	
Endrin	ug/Kg	1620	4.5	U		4.8	U		4	U	
Endosulfan II	ug/Kg	22000	4.5	U		4.8	U		4	U	
4,4'-DDD	ug/Kg	1320	4.5	U		4.8	U		4	U	
Endosulfan sulfate	ug/Kg	22000	4.5	U		4.8	U		4	U	
4,4'-DDT	ug/Kg	1340	4.5	U		4.8	U		4	U	
Methoxychlor	ug/Kg	31000	23	U		25	U		20	U	
Endrin ketone	ug/Kg	1620	4.5	U		4.8	U		4	U	
Endrin aldehyde	ug/Kg	1620	4.5	U		4.8	U		4	U	
alpha-Chlordane	ug/Kg	1600	2.3	U		2.5	U		2	U	
gamma-Chlordane	ug/Kg	1600	2.3	U		2.5	U		2	U	
Toxaphene	ug/Kg	440	230	U		250	U		200	U	
Inorganic Analytes											
Aluminum	mg/kg	7700	**11800**		A	**25400**		A	**19100**		A
Antimony	mg/kg	3.1	8.1	U		4.4	U		3.8	U	
Arsenic	mg/kg	0.39	**6**		A	1.5	U		1.3	U	
Barium	mg/kg	1500	58.3		#	1050		#	438		#
Beryllium	mg/kg	16	0.67	U		1.6		#	0.64	U	
Cadmium	mg/kg	7	1.5		#	2.6		#	1.8		#
Calcium	mg/kg	N/A	434	J	~	1820	J	~	1630	J	~
Chromium	mg/kg	0.29	**25.8**		A	**24.1**		A	**17.7**		A
Cobalt	mg/kg	2.3	**9**		A	**300**		A	**37.6**		A

IVAX - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IVSB-10-B			IVSB-10-C			IVSB-10-D		
		Location	IVSB-10			IVSB-10			IVSB-10		
		Sample Date	12/5/2007			12/5/2007			12/5/2007		
		Depth	8 to 10 ft			22 to 24 ft			32 to 34 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Copper	mg/kg	310	36.8		#	198		#	110		#
Cyanide	mg/kg	4.7	3.4	U		3.7	U		3.2	U	
Iron	mg/kg	5400	**62500**		A	**59100**		A	**42600**		A
Lead	mg/kg	280	0.98	J	#	1.5	UJ		1.3	UJ	
Magnesium	mg/kg	N/A	763		~	12800		~	11300		~
Manganese	mg/kg	21	**673**	J	A	**4930**	J	A	**622**	J	A
Mercury	mg/kg	2	0.31		#	0.14	U		0.048	J	#
Nickel	mg/kg	150	3.9	J	#	70.5		#	44.6		#
Potassium	mg/kg	N/A	255	J	~	561	J	~	2080	J	~
Selenium	mg/kg	5.2	4.7	UJ		5.1	UJ		4.5	UJ	
Silver	mg/kg	12	6.1	J	#	6.3	J	#	4.6	J	#
Sodium	mg/kg	N/A	135	J	~	306	J	~	381	J	~
Thallium	mg/kg	0.08	**2.9**	J	A	0.74	U		0.64	U	
Vanadium	mg/kg	39	**189**		A	**204**		A	**137**		A
Zinc	mg/kg	2300	24.1		#	354		#	98		#
Additional Parameters											
% GRANULE & LARGER >2 MM	%	N/A	0		~						
% VERY COURSE SAND >1 - 2 MM	%	N/A	1		~						
% COARSE SAND >.5 - 1 MM	%	N/A	2		~						
% MEDIUM SAND >.25 - .5 MM	%	N/A	2		~						
% FINE SAND >.125 - .25 MM	%	N/A	3		~						
% VERY FINE SAND >.0625 - .125 MM	%	N/A	3		~						
% SILT	%	N/A	26		~						
% CLAY & COLLOIDS	%	N/A	63		~						
pH	s.u.	N/A	6		~						
Total Organic Carbon	mg/Kg	N/A	5100		~						

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

Q - Qualifier

C - Comparison

Flag

IVAX - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IVSB-10-B			IVSB-10-C			IVSB-10-D		
		Location	IVSB-10			IVSB-10			IVSB-10		
		Sample Date	12/5/2007			12/5/2007			12/5/2007		
		Depth	8 to 10 ft			22 to 24 ft			32 to 34 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C

U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

Pepsi - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	PESB-01-A			PESB-01-B			PESB-01-C			PESB-01-D			PESB-02-A			PESB-02-B		
		Location	PESB-01			PESB-01			PESB-01			PESB-01			PESB-02			PESB-02		
		Sample Date	11/16/2007			11/16/2007			11/16/2007			11/16/2007			11/16/2007			11/16/2007		
		Depth	0.2 to 1 ft			5 to 7 ft			21 to 23 ft			60 to 62 ft			0.2 to 1 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
Chloromethane	ug/Kg	980	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
Vinyl Chloride	ug/Kg	13.8	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
Bromomethane	ug/Kg	36	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
Chloroethane	ug/Kg	118000	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
Trichlorofluoromethane	ug/Kg	13800	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
1,1-Dichloroethene	ug/Kg	50	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
Acetone	ug/Kg	48000	13	U		13	U		13	U		12	U		12	U		12	U	
Carbon Disulfide	ug/Kg	4200	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
Methyl Acetate	ug/Kg	64000	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
Methylene Chloride	ug/Kg	26	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
trans-1,2-Dichloroethene	ug/Kg	580	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
Methyl tert-Butyl Ether	ug/Kg	56	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
1,1-Dichloroethane	ug/Kg	13.6	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
cis-1,2-Dichloroethene	ug/Kg	420	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
2-Butanone	ug/Kg	20000	13	U		13	U		13	U		12	U		12	U		12	U	
Chlorobromomethane	ug/Kg	420	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
Chloroform	ug/Kg	290	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
Cyclohexane	ug/Kg	117000	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
Carbon Tetrachloride	ug/Kg	38	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
Benzene	ug/Kg	52	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
1,2-Dichloroethane	ug/Kg	28	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
1,4-Dioxane	ug/Kg	2.8	130	R		130	R		130	R		120	R		120	R		120	R	
Trichloroethene	ug/Kg	36	6.7	UJ		6.4	U		6.7	UJ		5.8	UJ		5.9	UJ		6.2	UJ	

Pepsi - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	PESB-01-A			PESB-01-B			PESB-01-C			PESB-01-D			PESB-02-A			PESB-02-B		
		Location	PESB-01			PESB-01			PESB-01			PESB-01			PESB-02			PESB-02		
		Sample Date	11/16/2007			11/16/2007			11/16/2007			11/16/2007			11/16/2007			11/16/2007		
		Depth	0.2 to 1 ft			5 to 7 ft			21 to 23 ft			60 to 62 ft			0.2 to 1 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
1,2-Dichloropropane	ug/Kg	34	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
Bromodichloromethane	ug/Kg	270	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
cis-1,3-Dichloropropene	ug/Kg	3	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
4-Methyl-2-pentanone	ug/Kg	4600	13	U		13	U		13	U		12	U		12	U		12	U	
Toluene	ug/Kg	13800	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
trans-1,3-Dichloropropene	ug/Kg	3	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
1,1,2-Trichloroethane	ug/Kg	32	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
Tetrachloroethene	ug/Kg	46	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
2-Hexanone	ug/Kg	158	13	U		13	U		13	U		12	U		12	U		12	U	
Dibromochloromethane	ug/Kg	420	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
1,2-Dibromoethane	ug/Kg	0.28	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
Chlorobenzene	ug/Kg	1360	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
Ethylbenzene	ug/Kg	5400	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
o-Xylene	ug/Kg	3800	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
m,p-Xylene	ug/Kg	3600	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
Styrene	ug/Kg	2200	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
Bromoform	ug/Kg	420	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
Isopropylbenzene	ug/Kg	12800	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
1,4-Dichlorobenzene	ug/Kg	1440	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
1,2-Dichlorobenzene	ug/Kg	11600	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
1,2,3-Trichlorobenzene	ug/Kg	300	6.7	U		6.4	U		6.7	U		5.8	U		5.9	U		6.2	U	
Semi-Volatile Organic Compounds																				

Pepsi - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	PESB-01-A			PESB-01-B			PESB-01-C			PESB-01-D			PESB-02-A			PESB-02-B		
		Location	PESB-01			PESB-01			PESB-01			PESB-01			PESB-02			PESB-02		
		Sample Date	11/16/2007			11/16/2007			11/16/2007			11/16/2007			11/16/2007			11/16/2007		
		Depth	0.2 to 1 ft			5 to 7 ft			21 to 23 ft			60 to 62 ft			0.2 to 1 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/Kg	6600	240	U		250	U		260	U		230	U		230	U		250	U	
Phenol	ug/Kg	52000	240	U		250	U		260	U		230	U		230	U		250	U	
bis(2-Chloroethyl) ether	ug/Kg	0.06	240	U		250	U		260	U		230	U		230	U		250	U	
2-Chlorophenol	ug/Kg	1140	240	U		250	U		260	U		230	U		230	U		250	U	
2-Methylphenol	ug/Kg	11600	240	U		250	U		260	U		230	U		230	U		250	U	
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	240	U		250	U		260	U		230	U		230	U		250	U	
Acetophenone	ug/Kg	9000	240	U		250	U		260	U		230	U		230	U		250	U	
4-Methylphenol	ug/Kg	22000	240	U		250	U		260	U		230	U		230	U		250	U	
n-Nitroso-di-n-propylamine	ug/Kg	0.14	240	U		250	U		260	U		230	U		230	U		250	U	
Hexachloroethane	ug/Kg	9.6	240	U		250	U		260	U		230	U		230	U		250	U	
Nitrobenzene	ug/Kg	1.58	240	U		250	U		260	U		230	U		230	U		250	U	
Isophorone	ug/Kg	440	240	U		250	U		260	U		230	U		230	U		250	U	
2-Nitrophenol	ug/Kg	N/A	240	U		250	U		260	U		230	U		230	U		250	U	
2,4-Dimethylphenol	ug/Kg	6400	240	U		250	U		260	U		230	U		230	U		250	U	
bis(2-Chloroethoxy)methane	ug/Kg	220	240	U		250	U		260	U		230	U		230	U		250	U	
2,4-Dichlorophenol	ug/Kg	820	240	U		250	U		260	U		230	U		230	U		250	U	
Naphthalene	ug/Kg	9.4	240	U		250	U		260	U		230	U		230	U		250	U	
4-Chloroaniline	ug/Kg	2.6	240	U		250	U		260	U		230	U		230	U		250	U	
Hexachlorobutadiene	ug/Kg	10	240	U		250	U		260	U		230	U		230	U		250	U	
Caprolactam	ug/Kg	38000	240	U		250	U		260	U		230	U		230	U		250	U	
4-Chloro-3-methylphenol	ug/Kg	26000	240	U		250	U		260	U		230	U		230	U		250	U	
2-Methylnaphthalene	ug/Kg	2800	240	U		250	U		260	U		230	U		230	U		250	U	
Hexachlorocyclopentadiene	ug/Kg	3200	240	U		250	U		260	U		230	U		230	U		250	U	
2,4,6-Trichlorophenol	ug/Kg	260	240	U		250	U		260	U		230	U		230	U		250	U	
2,4,5-Trichlorophenol	ug/Kg	66000	240	U		250	U		260	U		230	U		230	U		250	U	
1,1'-Biphenyl	ug/Kg	174	240	U		250	U		260	U		230	U		230	U		250	U	
2-Chloronaphthalene	ug/Kg	58000	240	U		250	U		260	U		230	U		230	U		250	U	
2-Nitroaniline	ug/Kg	1240	460	U		480	U		500	U		450	U		440	U		480	U	

Pepsi - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	PESB-01-A			PESB-01-B			PESB-01-C			PESB-01-D			PESB-02-A			PESB-02-B		
		Location	PESB-01			PESB-01			PESB-01			PESB-01			PESB-02			PESB-02		
		Sample Date	11/16/2007			11/16/2007			11/16/2007			11/16/2007			11/16/2007			11/16/2007		
		Depth	0.2 to 1 ft			5 to 7 ft			21 to 23 ft			60 to 62 ft			0.2 to 1 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Dimethylphthalate	ug/Kg	N/A	240	U		250	U		260	U		230	U		230	U		250	U	
2,6-Dinitrotoluene	ug/Kg	400	240	U		250	U		260	U		230	U		230	U		250	U	
Acenaphthylene	ug/Kg	N/A	240	U		250	U		260	U		230	U		230	U		250	U	
3-Nitroaniline	ug/Kg	N/A	460	U		480	U		500	U		450	U		440	U		480	U	
Acenaphthene	ug/Kg	82000	240	U		250	U		260	U		230	U		230	U		250	U	
2,4-Dinitrophenol	ug/Kg	680	460	U		480	U		500	U		450	U		440	U		480	U	
4-Nitrophenol	ug/Kg	N/A	460	U		480	U		500	U		450	U		440	U		480	U	
Dibenzofuran	ug/Kg	N/A	240	U		250	U		260	U		230	U		230	U		250	U	
2,4-Dinitrotoluene	ug/Kg	5.6	240	U		250	U		260	U		230	U		230	U		250	U	
Diethylphthalate	ug/Kg	94000	240	U		250	U		260	U		230	U		230	U		250	U	
Fluorene	ug/Kg	80000	240	U		250	U		260	U		230	U		230	U		250	U	
4-Chlorophenyl-phenylether	ug/Kg	N/A	240	U		250	U		260	U		230	U		230	U		250	U	
4-Nitroaniline	ug/Kg	28	460	U		480	U		500	U		450	U		440	U		480	U	
4,6-Dinitro-2-methylphenol	ug/Kg	40	460	U		480	U		500	U		450	U		440	U		480	U	
n-Nitrosodiphenylamine	ug/Kg	1140	240	U		250	U		260	U		230	U		230	U		250	U	
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	240	U		250	U		260	U		230	U		230	U		250	U	
4-Bromophenyl-phenylether	ug/Kg	N/A	240	U		250	U		260	U		230	U		230	U		250	U	
Hexachlorobenzene	ug/Kg	260	240	U		250	U		260	U		230	U		230	U		250	U	
Atrazine	ug/Kg	38	240	U		250	U		260	U		230	U		230	U		250	U	
Pentachlorophenol	ug/Kg	200	460	U		480	U		500	U		450	U		440	U		480	U	
Phenanthrene	ug/Kg	N/A	240	U		250	U		260	U		230	U		230	U		250	U	
Anthracene	ug/Kg	840000	240	U		250	U		260	U		230	U		230	U		250	U	
Carbazole	ug/Kg	N/A	240	U		250	U		260	U		230	U		230	U		250	U	
Di-n-butylphthalate	ug/Kg	34000	240	U		250	U		260	U		230	U		230	U		250	U	
Fluoranthene	ug/Kg	230000	240	U		250	U		260	U		230	U		230	U		250	U	
Pyrene	ug/Kg	170000	240	U		250	U		260	U		230	U		230	U		250	U	
Butylbenzylphthalate	ug/Kg	4000	240	U		250	U		260	U		230	U		230	U		250	U	
3,3'-Dichlorobenzidine	ug/Kg	14.2	240	U		250	U		260	U		230	U		230	U		250	U	

Pepsi - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	PESB-01-A			PESB-01-B			PESB-01-C			PESB-01-D			PESB-02-A			PESB-02-B		
		Location	PESB-01			PESB-01			PESB-01			PESB-01			PESB-02			PESB-02		
		Sample Date	11/16/2007			11/16/2007			11/16/2007			11/16/2007			11/16/2007			11/16/2007		
		Depth	0.2 to 1 ft			5 to 7 ft			21 to 23 ft			60 to 62 ft			0.2 to 1 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzo(a)anthracene	ug/Kg	150	240	U		250	U		260	U		230	U		230	U		250	U	
Chrysene	ug/Kg	15000	240	U		250	U		260	U		230	U		230	U		250	U	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	240	U		250	U		260	U		230	U		230	U		250	U	
Di-n-octylphthalate	ug/Kg	N/A	240	U		250	U		260	U		230	U		230	U		250	U	
Benzo(b)fluoranthene	ug/Kg	150	240	U		250	U		260	U		230	U		230	U		250	U	
Benzo(k)fluoranthene	ug/Kg	1500	240	U		250	U		260	U		230	U		230	U		250	U	
Benzo(a)pyrene	ug/Kg	15	240	U		250	U		260	U		230	U		230	U		250	U	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	240	U		250	U		260	U		230	U		230	U		250	U	
Dibenz(a,h)anthracene	ug/Kg	15	240	U		250	U		260	U		230	U		230	U		250	U	
Benzo(g,h,i)perylene	ug/Kg	N/A	240	U		250	U		260	U		230	U		230	U		250	U	
Chlorophenols	ug/Kg	22000	240	U		250	U		260	U		230	U		230	U		250	U	
PCBs																				
Aroclor-1016	ug/Kg	390	46	UJ		48	UJ		50	U		44	U		44	U		48	UJ	
Aroclor-1221	ug/Kg	1.48	46	UJ		48	UJ		50	U		44	U		44	U		48	UJ	
Aroclor-1232	ug/Kg	1.48	46	UJ		48	UJ		50	U		44	U		44	U		48	UJ	
Aroclor-1242	ug/Kg	106	46	UJ		48	UJ		50	U		44	U		44	U		48	UJ	
Aroclor-1248	ug/Kg	104	46	UJ		48	UJ		50	U		44	U		44	U		48	UJ	
Aroclor-1254	ug/Kg	110	46	UJ		48	UJ		50	U		44	U		44	U		48	UJ	
Aroclor-1260	ug/Kg	220	46	UJ		48	UJ		50	U		44	U		44	U		48	UJ	
Aroclor-1262	ug/Kg	220	46	UJ		48	UJ		50	U		44	U		44	U		48	UJ	
Aroclor-1268	ug/Kg	220	46	UJ		48	UJ		50	U		44	U		44	U		48	UJ	
Pesticides																				
alpha-BHC	ug/Kg	0.72	2.4	U		2.5	U		2.6	U		2.3	U		2.3	U		2.5	U	
beta-BHC	ug/Kg	2.6	2.4	U		2.5	U		2.6	U		2.3	U		2.3	U		2.5	U	
delta-BHC	ug/Kg	N/A	2.4	U		2.5	U		2.6	U		2.3	U		2.3	U		2.5	U	
gamma-BHC (Lindane)	ug/Kg	24	2.4	U		2.5	U		2.6	U		2.3	U		2.3	U		2.5	U	

Pepsi - Soil Sample Results Full Table
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		Sample Code	PESB-01-A			PESB-01-B			PESB-01-C			PESB-01-D			PESB-02-A			PESB-02-B		
		Location	PESB-01			PESB-01			PESB-01			PESB-01			PESB-02			PESB-02		
		Sample Date	11/16/2007			11/16/2007			11/16/2007			11/16/2007			11/16/2007			11/16/2007		
		Depth	0.2 to 1 ft			5 to 7 ft			21 to 23 ft			60 to 62 ft			0.2 to 1 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Heptachlor	ug/Kg	110	2.4	U		2.5	U		2.6	U		2.3	U		2.3	U		2.5	U	
Aldrin	ug/Kg	0.68	2.4	U		2.5	U		2.6	U		2.3	U		2.3	U		2.5	U	
Heptachlor epoxide	ug/Kg	53	2.4	U		2.5	U		2.6	U		2.3	U		2.3	U		2.5	U	
Endosulfan I	ug/Kg	22000	2.4	U		2.5	U		2.6	U		2.3	U		2.3	U		2.5	U	
Dieldrin	ug/Kg	1.22	4.6	U		4.8	U		5	U		4.5	U		4.4	U		4.8	U	
4,4'-DDE	ug/Kg	920	4.6	U		4.8	U		5	U		4.5	U		4.4	U		4.8	U	
Endrin	ug/Kg	1620	4.6	U		4.8	U		5	U		4.5	U		4.4	U		4.8	U	
Endosulfan II	ug/Kg	22000	4.6	U		4.8	U		5	U		4.5	U		4.4	U		4.8	U	
4,4'-DDD	ug/Kg	1320	4.6	U		4.8	U		5	U		4.5	U		4.4	U		4.8	U	
Endosulfan sulfate	ug/Kg	22000	4.6	U		4.8	U		5	U		4.5	U		4.4	U		4.8	U	
4,4'-DDT	ug/Kg	1340	4.6	U		4.8	U		5	U		4.5	U		4.4	U		4.8	U	
Methoxychlor	ug/Kg	31000	24	U		25	U		26	U		23	U		23	U		25	U	
Endrin ketone	ug/Kg	1620	4.6	U		4.8	U		5	U		4.5	U		4.4	U		4.8	U	
Endrin aldehyde	ug/Kg	1620	4.6	U		4.8	U		5	U		4.5	U		4.4	U		4.8	U	
alpha-Chlordane	ug/Kg	1600	2.4	U		2.5	U		2.6	U		2.3	U		2.3	U		2.5	U	
gamma-Chlordane	ug/Kg	1600	2.4	U		2.5	U		2.6	U		2.3	U		2.3	U		2.5	U	
Toxaphene	ug/Kg	440	240	U		250	U		260	U		230	U		230	U		250	U	
Aroclors																				
Aroclor-1016	ug/L																			
Aroclor-1221	ug/L																			
Aroclor-1232	ug/L																			
Aroclor-1242	ug/L																			
Aroclor-1248	ug/L																			
Aroclor-1254	ug/L																			
Aroclor-1260	ug/L																			
Aroclor-1262	ug/L																			
Aroclor-1268	ug/L																			

Pepsi - Soil Sample Results Full Table
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		Sample Code	PESB-01-A			PESB-01-B			PESB-01-C			PESB-01-D			PESB-02-A			PESB-02-B		
		Location	PESB-01			PESB-01			PESB-01			PESB-01			PESB-02			PESB-02		
		Sample Date	11/16/2007			11/16/2007			11/16/2007			11/16/2007			11/16/2007			11/16/2007		
		Depth	0.2 to 1 ft			5 to 7 ft			21 to 23 ft			60 to 62 ft			0.2 to 1 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Inorganic Analytes																				
Aluminum	mg/kg	7700	**8400**		A	**9530**		A	**11800**		A	**20300**		A	6130		#	6010		#
Antimony	mg/kg	3.1	2.7	U		2.2	U		2.3	U		2.1	U		2.1	U		2.1	U	
Arsenic	mg/kg	0.39	1.8	U		1.5	U		1.6	U		1.4	U		1.4	U		1.4	U	
Barium	mg/kg	1500	36.4	U		29.5	U		291		#	457		#	4.4	J	#	28.5	U	
Beryllium	mg/kg	16	0.91	U		0.74	U		0.78	U		2.3		#	0.72	U		0.71	U	
Cadmium	mg/kg	7	0.38	J	#	0.46	J	#	0.37	J	#	0.4	J	#	0.27	J	#	0.26	J	#
Calcium	mg/kg	N/A	264	J	~	149	J	~	439	J	~	928		~	1040		~	271	J	~
Chromium	mg/kg	0.29	**65.3**		A	**29.3**		A	**52.4**		A	**52.5**		A	**25.1**		A	**19.9**		A
Cobalt	mg/kg	2.3	2.1	J	#	2	J	#	**163**		A	**239**		A	1.3	J	#	0.79	J	#
Copper	mg/kg	310	87.1		#	74		#	232		#	**474**		A	69.7		#	56.9		#
Cyanide	mg/kg	4.7	4.6	U		3.7	U		3.9	U		3.5	U		3.6	U		3.6	U	
Iron	mg/kg	5400	**69200**		A	**60200**		A	**57900**		A	**49900**		A	**70200**		A	**67600**		A
Lead	mg/kg	280	1.8	UJ		1.5	UJ		1.5	UJ		1.4	UJ		1.4	UJ		1.4	UJ	
Magnesium	mg/kg	N/A	201	J	~	163	J	~	2500		~	12100		~	159	J	~	169	J	~
Manganese	mg/kg	21	**843**		A	**966**		A	**3410**		A	**2440**		A	**756**		A	**998**		A
Mercury	mg/kg	2	0.17	U		0.14	U		0.16	U		0.13	U		0.14	U		0.14	U	
Nickel	mg/kg	150	6.9	J	#	5.9	J	#	23.3		#	55.8		#	3.3	J	#	3.1	J	#
Potassium	mg/kg	N/A	911	U		737	U		775	U		956		~	719	U		714	U	
Selenium	mg/kg	5.2	6.4	U		5.2	U		5.4	U		4.8	U		5	U		5	U	
Silver	mg/kg	12	4.8	J	#	4.2	J	#	4.4	J	#	3.6	J	#	5.3	J	#	4.7	J	#
Sodium	mg/kg	N/A	911	U		737	U		775	U		692	U		719	U		714	U	
Thallium	mg/kg	0.08	0.46	U		0.37	U		0.39	U		0.34	U		0.35	U		0.35	U	
Vanadium	mg/kg	39	**159**		A	**136**		A	**186**		A	**109**		A	**154**		A	**130**		A
Zinc	mg/kg	2300	31.1		#	19.1		#	78.4		#	415		#	12.5		#	11.6		#
Additional Parameters																				

Pepsi - Soil Sample Results Full Table
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		Sample Code	PESB-01-A			PESB-01-B			PESB-01-C			PESB-01-D			PESB-02-A			PESB-02-B		
		Location	PESB-01			PESB-01			PESB-01			PESB-01			PESB-02			PESB-02		
		Sample Date	11/16/2007			11/16/2007			11/16/2007			11/16/2007			11/16/2007			11/16/2007		
		Depth	0.2 to 1 ft			5 to 7 ft			21 to 23 ft			60 to 62 ft			0.2 to 1 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
% GRANULE & LARGER >2 MM	%	N/A																		
% VERY COURSE SAND >1 - 2 MM	%	N/A																		
% COARSE SAND >.5 - 1 MM	%	N/A																		
% MEDIUM SAND >.25 - .5 MM	%	N/A																		
% FINE SAND >.125 - .25 MM	%	N/A																		
% VERY FINE SAND >.0625 - .125 MM	%	N/A																		
% SILT	%	N/A																		
% CLAY & COLLOIDS	%	N/A																		
pH	s.u.	N/A																		
Total Organic Carbon	mg/Kg	N/A																		

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Comparison Flag

Pepsi - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	PESB-01-A			PESB-01-B			PESB-01-C			PESB-01-D			PESB-02-A			PESB-02-B		
		Location	PESB-01			PESB-01			PESB-01			PESB-01			PESB-02			PESB-02		
		Sample Date	11/16/2007			11/16/2007			11/16/2007			11/16/2007			11/16/2007			11/16/2007		
		Depth	0.2 to 1 ft			5 to 7 ft			21 to 23 ft			60 to 62 ft			0.2 to 1 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

Pepsi - Soil Sample Results Full Table
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		Sample Code	PESB-02-C			PESB-02-D			PESB-03-A			PESB-03-B			PESB-03-C			PESB-03-D		
		Location	PESB-02			PESB-02			PESB-03			PESB-03			PESB-03			PESB-03		
		Sample Date	11/16/2007			11/16/2007			11/15/2007			11/15/2007			11/15/2007			11/15/2007		
		Depth	21 to 23 ft			60 to 63 ft			0.5 to 1.5 ft			5 to 7 ft			21 to 23 ft			62 to 64 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
Chloromethane	ug/Kg	980	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
Vinyl Chloride	ug/Kg	13.8	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
Bromomethane	ug/Kg	36	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
Chloroethane	ug/Kg	118000	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
Trichlorofluoromethane	ug/Kg	13800	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
1,1-Dichloroethene	ug/Kg	50	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
Acetone	ug/Kg	48000	13	U		14	U		12	U		12	U		15		#	14	U	
Carbon Disulfide	ug/Kg	4200	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
Methyl Acetate	ug/Kg	64000	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
Methylene Chloride	ug/Kg	26	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
trans-1,2-Dichloroethene	ug/Kg	580	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
Methyl tert-Butyl Ether	ug/Kg	56	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
1,1-Dichloroethane	ug/Kg	13.6	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
cis-1,2-Dichloroethene	ug/Kg	420	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
2-Butanone	ug/Kg	20000	13	U		14	U		12	U		12	U		27		#	14	U	
Chlorobromomethane	ug/Kg	420	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
Chloroform	ug/Kg	290	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
Cyclohexane	ug/Kg	117000	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
Carbon Tetrachloride	ug/Kg	38	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
Benzene	ug/Kg	52	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
1,2-Dichloroethane	ug/Kg	28	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
1,4-Dioxane	ug/Kg	2.8	130	R		140	R		120	R		120	R		120	R		140	R	
Trichloroethene	ug/Kg	36	6.7	UJ		6.8	UJ		6.2	U		5.9	U		6.1	U		6.8	U	

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		Sample Code	PESB-02-C			PESB-02-D			PESB-03-A			PESB-03-B			PESB-03-C			PESB-03-D		
		Location	PESB-02			PESB-02			PESB-03			PESB-03			PESB-03			PESB-03		
		Sample Date	11/16/2007			11/16/2007			11/15/2007			11/15/2007			11/15/2007			11/15/2007		
		Depth	21 to 23 ft			60 to 63 ft			0.5 to 1.5 ft			5 to 7 ft			21 to 23 ft			62 to 64 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
1,2-Dichloropropane	ug/Kg	34	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
Bromodichloromethane	ug/Kg	270	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
cis-1,3-Dichloropropene	ug/Kg	3	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
4-Methyl-2-pentanone	ug/Kg	4600	13	U		14	U		12	U		12	U		12	U		14	U	
Toluene	ug/Kg	13800	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
trans-1,3-Dichloropropene	ug/Kg	3	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
1,1,2-Trichloroethane	ug/Kg	32	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
Tetrachloroethene	ug/Kg	46	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
2-Hexanone	ug/Kg	158	13	U		14	U		12	U		12	U		12	U		14	U	
Dibromochloromethane	ug/Kg	420	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
1,2-Dibromoethane	ug/Kg	0.28	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
Chlorobenzene	ug/Kg	1360	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
Ethylbenzene	ug/Kg	5400	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
o-Xylene	ug/Kg	3800	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
m,p-Xylene	ug/Kg	3600	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
Styrene	ug/Kg	2200	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
Bromoform	ug/Kg	420	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
Isopropylbenzene	ug/Kg	12800	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
1,4-Dichlorobenzene	ug/Kg	1440	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
1,2-Dichlorobenzene	ug/Kg	11600	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
1,2,3-Trichlorobenzene	ug/Kg	300	6.7	U		6.8	U		6.2	U		5.9	U		6.1	U		6.8	U	
Semi-Volatile Organic Compounds																				

Pepsi - Soil Sample Results Full Table
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		Sample Code	PESB-02-C			PESB-02-D			PESB-03-A			PESB-03-B			PESB-03-C			PESB-03-D		
		Location	PESB-02			PESB-02			PESB-03			PESB-03			PESB-03			PESB-03		
		Sample Date	11/16/2007			11/16/2007			11/15/2007			11/15/2007			11/15/2007			11/15/2007		
		Depth	21 to 23 ft			60 to 63 ft			0.5 to 1.5 ft			5 to 7 ft			21 to 23 ft			62 to 64 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/Kg	6600	270	U		250	U		240	U		240	U		240	U		250	U	
Phenol	ug/Kg	52000	270	U		250	U		240	U		240	U		240	U		250	U	
bis(2-Chloroethyl) ether	ug/Kg	0.06	270	U		250	U		240	U		240	U		240	U		250	U	
2-Chlorophenol	ug/Kg	1140	270	U		250	U		240	U		240	U		240	U		250	U	
2-Methylphenol	ug/Kg	11600	270	U		250	U		240	U		240	U		240	U		250	U	
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	270	U		250	U		240	U		240	U		240	U		250	U	
Acetophenone	ug/Kg	9000	270	U		250	U		240	U		240	U		240	U		250	U	
4-Methylphenol	ug/Kg	22000	270	U		250	U		240	U		240	U		240	U		250	U	
n-Nitroso-di-n-propylamine	ug/Kg	0.14	270	U		250	U		240	U		240	U		240	U		250	U	
Hexachloroethane	ug/Kg	9.6	270	U		250	U		240	U		240	U		240	U		250	U	
Nitrobenzene	ug/Kg	1.58	270	U		250	U		240	U		240	U		240	U		250	U	
Isophorone	ug/Kg	440	270	U		250	U		240	U		240	U		240	U		250	U	
2-Nitrophenol	ug/Kg	N/A	270	U		250	U		240	U		240	U		240	U		250	U	
2,4-Dimethylphenol	ug/Kg	6400	270	U		250	U		240	U		240	U		240	U		250	U	
bis(2-Chloroethoxy)methane	ug/Kg	220	270	U		250	U		240	U		240	U		240	U		250	U	
2,4-Dichlorophenol	ug/Kg	820	270	U		250	U		240	U		240	U		240	U		250	U	
Naphthalene	ug/Kg	9.4	270	U		250	U		240	U		240	U		240	U		250	U	
4-Chloroaniline	ug/Kg	2.6	270	U		250	U		240	U		240	U		240	U		250	U	
Hexachlorobutadiene	ug/Kg	10	270	U		250	U		240	U		240	U		240	U		250	U	
Caprolactam	ug/Kg	38000	270	U		250	U		240	U		240	U		240	U		250	U	
4-Chloro-3-methylphenol	ug/Kg	26000	270	U		250	U		240	U		240	U		240	U		250	U	
2-Methylnaphthalene	ug/Kg	2800	270	U		250	U		240	U		240	U		240	U		250	U	
Hexachlorocyclopentadiene	ug/Kg	3200	270	U		250	U		240	U		240	U		240	U		250	U	
2,4,6-Trichlorophenol	ug/Kg	260	270	U		250	U		240	U		240	U		240	U		250	U	
2,4,5-Trichlorophenol	ug/Kg	66000	270	U		250	U		240	U		240	U		240	U		250	U	
1,1'-Biphenyl	ug/Kg	174	270	U		250	U		240	U		240	U		240	U		250	U	
2-Chloronaphthalene	ug/Kg	58000	270	U		250	U		240	U		240	U		240	U		250	U	
2-Nitroaniline	ug/Kg	1240	510	U		490	U		460	U		460	U		470	U		490	U	

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		Sample Code	PESB-02-C			PESB-02-D			PESB-03-A			PESB-03-B			PESB-03-C			PESB-03-D		
		Location	PESB-02			PESB-02			PESB-03			PESB-03			PESB-03			PESB-03		
		Sample Date	11/16/2007			11/16/2007			11/15/2007			11/15/2007			11/15/2007			11/15/2007		
		Depth	21 to 23 ft			60 to 63 ft			0.5 to 1.5 ft			5 to 7 ft			21 to 23 ft			62 to 64 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Dimethylphthalate	ug/Kg	N/A	270	U		250	U		240	U		240	U		240	U		250	U	
2,6-Dinitrotoluene	ug/Kg	400	270	U		250	U		240	U		240	U		240	U		250	U	
Acenaphthylene	ug/Kg	N/A	270	U		250	U		240	U		240	U		240	U		250	U	
3-Nitroaniline	ug/Kg	N/A	510	U		490	U		460	U		460	U		470	U		490	U	
Acenaphthene	ug/Kg	82000	270	U		250	U		240	U		240	U		240	U		250	U	
2,4-Dinitrophenol	ug/Kg	680	510	U		490	U		460	U		460	U		470	U		490	U	
4-Nitrophenol	ug/Kg	N/A	510	U		490	U		460	U		460	U		470	U		490	U	
Dibenzofuran	ug/Kg	N/A	270	U		250	U		240	U		240	U		240	U		250	U	
2,4-Dinitrotoluene	ug/Kg	5.6	270	U		250	U		240	U		240	U		240	U		250	U	
Diethylphthalate	ug/Kg	94000	270	U		250	U		240	U		240	U		240	U		250	U	
Fluorene	ug/Kg	80000	270	U		250	U		240	U		240	U		240	U		250	U	
4-Chlorophenyl-phenylether	ug/Kg	N/A	270	U		250	U		240	U		240	U		240	U		250	U	
4-Nitroaniline	ug/Kg	28	510	U		490	U		460	U		460	U		470	U		490	U	
4,6-Dinitro-2-methylphenol	ug/Kg	40	510	U		490	U		460	U		460	U		470	U		490	U	
n-Nitrosodiphenylamine	ug/Kg	1140	270	U		250	U		240	U		240	U		240	U		250	U	
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	270	U		250	U		240	U		240	U		240	U		250	U	
4-Bromophenyl-phenylether	ug/Kg	N/A	270	U		250	U		240	U		240	U		240	U		250	U	
Hexachlorobenzene	ug/Kg	260	270	U		250	U		240	U		240	U		240	U		250	U	
Atrazine	ug/Kg	38	270	U		250	U		240	U		240	U		240	U		250	U	
Pentachlorophenol	ug/Kg	200	510	U		490	U		460	U		460	U		470	U		490	U	
Phenanthrene	ug/Kg	N/A	270	U		250	U		240	U		240	U		240	U		250	U	
Anthracene	ug/Kg	840000	270	U		250	U		240	U		240	U		240	U		250	U	
Carbazole	ug/Kg	N/A	270	U		250	U		240	U		240	U		240	U		250	U	
Di-n-butylphthalate	ug/Kg	34000	270	U		250	U		240	U		240	U		240	U		250	U	
Fluoranthene	ug/Kg	230000	270	U		250	U		240	U		240	U		240	U		250	U	
Pyrene	ug/Kg	170000	270	U		250	U		240	U		240	U		240	U		250	U	
Butylbenzylphthalate	ug/Kg	4000	270	U		250	U		240	U		240	U		240	U		250	U	
3,3'-Dichlorobenzidine	ug/Kg	14.2	270	U		250	U		240	U		240	U		240	U		250	U	

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		Sample Code	PESB-02-C			PESB-02-D			PESB-03-A			PESB-03-B			PESB-03-C			PESB-03-D		
		Location	PESB-02			PESB-02			PESB-03			PESB-03			PESB-03			PESB-03		
		Sample Date	11/16/2007			11/16/2007			11/15/2007			11/15/2007			11/15/2007			11/15/2007		
		Depth	21 to 23 ft			60 to 63 ft			0.5 to 1.5 ft			5 to 7 ft			21 to 23 ft			62 to 64 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzo(a)anthracene	ug/Kg	150	270	U		250	U		240	U		240	U		240	U		250	U	
Chrysene	ug/Kg	15000	270	U		250	U		240	U		240	U		240	U		250	U	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	270	U		250	U		240	U		240	U		240	U		250	U	
Di-n-octylphthalate	ug/Kg	N/A	270	U		250	U		240	U		240	U		240	U		250	U	
Benzo(b)fluoranthene	ug/Kg	150	270	U		250	U		240	U		240	U		240	U		250	U	
Benzo(k)fluoranthene	ug/Kg	1500	270	U		250	U		240	U		240	U		240	U		250	U	
Benzo(a)pyrene	ug/Kg	15	270	U		250	U		240	U		240	U		240	U		250	U	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	270	U		250	U		240	U		240	U		240	U		250	U	
Dibenz(a,h)anthracene	ug/Kg	15	270	U		250	U		240	U		240	U		240	U		250	U	
Benzo(g,h,i)perylene	ug/Kg	N/A	270	U		250	U		240	U		240	U		240	U		250	U	
Chlorophenols	ug/Kg	22000	270	U		250	U		240	U		240	U		240	U		250	U	
PCBs																				
Aroclor-1016	ug/Kg	390	51	UJ		49	UJ		46	U		46	U		47	U		49	U	
Aroclor-1221	ug/Kg	1.48	51	UJ		49	UJ		46	U		46	U		47	U		49	U	
Aroclor-1232	ug/Kg	1.48	51	UJ		49	UJ		46	U		46	U		47	U		49	U	
Aroclor-1242	ug/Kg	106	51	UJ		49	UJ		46	U		46	U		47	U		49	U	
Aroclor-1248	ug/Kg	104	51	UJ		49	UJ		46	U		46	U		47	U		49	U	
Aroclor-1254	ug/Kg	110	51	UJ		49	UJ		46	U		46	U		47	U		49	U	
Aroclor-1260	ug/Kg	220	51	UJ		49	UJ		46	U		46	U		47	U		49	U	
Aroclor-1262	ug/Kg	220	51	UJ		49	UJ		46	U		46	U		47	U		49	U	
Aroclor-1268	ug/Kg	220	51	UJ		49	UJ		46	U		46	U		47	U		49	U	
Pesticides																				
alpha-BHC	ug/Kg	0.72	2.7	U		2.5	U		2.4	U		2.4	U		2.4	U		2.5	U	
beta-BHC	ug/Kg	2.6	2.7	U		2.5	U		2.4	U		2.4	U		2.4	U		2.5	U	
delta-BHC	ug/Kg	N/A	2.7	U		2.5	U		2.4	U		2.4	U		2.4	U		2.5	U	
gamma-BHC (Lindane)	ug/Kg	24	2.7	U		2.5	U		2.4	U		2.4	U		2.4	U		2.5	U	

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		Sample Code	PESB-02-C			PESB-02-D			PESB-03-A			PESB-03-B			PESB-03-C			PESB-03-D		
		Location	PESB-02			PESB-02			PESB-03			PESB-03			PESB-03			PESB-03		
		Sample Date	11/16/2007			11/16/2007			11/15/2007			11/15/2007			11/15/2007			11/15/2007		
		Depth	21 to 23 ft			60 to 63 ft			0.5 to 1.5 ft			5 to 7 ft			21 to 23 ft			62 to 64 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Heptachlor	ug/Kg	110	2.7	U		2.5	U		2.4	U		2.4	U		2.4	U		2.5	U	
Aldrin	ug/Kg	0.68	2.7	U		2.5	U		2.4	U		2.4	U		2.4	U		2.5	U	
Heptachlor epoxide	ug/Kg	53	2.7	U		2.5	U		2.4	U		2.4	U		2.4	U		2.5	U	
Endosulfan I	ug/Kg	22000	2.7	U		2.5	U		2.4	U		2.4	U		2.4	U		2.5	U	
Dieldrin	ug/Kg	1.22	5.2	U		4.9	U		4.6	U		4.6	U		4.7	U		4.9	U	
4,4'-DDE	ug/Kg	920	5.2	U		4.9	U		4.6	U		4.6	U		4.7	U		4.9	U	
Endrin	ug/Kg	1620	5.2	U		4.9	U		4.6	U		4.6	U		4.7	U		4.9	U	
Endosulfan II	ug/Kg	22000	5.2	U		4.9	U		4.6	U		4.6	U		4.7	U		4.9	U	
4,4'-DDD	ug/Kg	1320	5.2	U		4.9	U		4.6	U		4.6	U		4.7	U		4.9	U	
Endosulfan sulfate	ug/Kg	22000	5.2	U		4.9	U		4.6	U		4.6	U		4.7	U		4.9	U	
4,4'-DDT	ug/Kg	1340	5.2	U		4.9	U		4.6	U		4.6	U		4.7	U		4.9	U	
Methoxychlor	ug/Kg	31000	27	U		25	U		24	U		24	U		24	U		25	U	
Endrin ketone	ug/Kg	1620	5.2	U		4.9	U		4.6	U		4.6	U		4.7	U		4.9	U	
Endrin aldehyde	ug/Kg	1620	5.2	U		4.9	U		4.6	U		4.6	U		4.7	U		4.9	U	
alpha-Chlordane	ug/Kg	1600	2.7	U		2.5	U		2.4	U		2.4	U		2.4	U		2.5	U	
gamma-Chlordane	ug/Kg	1600	2.7	U		2.5	U		2.4	U		2.4	U		2.4	U		2.5	U	
Toxaphene	ug/Kg	440	270	U		250	U		240	U		240	U		240	U		250	U	
Aroclors																				
Aroclor-1016	ug/L																			
Aroclor-1221	ug/L																			
Aroclor-1232	ug/L																			
Aroclor-1242	ug/L																			
Aroclor-1248	ug/L																			
Aroclor-1254	ug/L																			
Aroclor-1260	ug/L																			
Aroclor-1262	ug/L																			
Aroclor-1268	ug/L																			

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		Sample Code	PESB-02-C			PESB-02-D			PESB-03-A			PESB-03-B			PESB-03-C			PESB-03-D		
		Location	PESB-02			PESB-02			PESB-03			PESB-03			PESB-03			PESB-03		
		Sample Date	11/16/2007			11/16/2007			11/15/2007			11/15/2007			11/15/2007			11/15/2007		
		Depth	21 to 23 ft			60 to 63 ft			0.5 to 1.5 ft			5 to 7 ft			21 to 23 ft			62 to 64 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Inorganic Analytes																				
Aluminum	mg/kg	7700	6220		#	**18000**		A	**8430**		A	**12600**		A	6250		#	3650		#
Antimony	mg/kg	3.1	2.7	U		2.3	U		2.1	UJ		2.2	UJ		2.1	UJ		2.2	UJ	
Arsenic	mg/kg	0.39	1.8	U		1.5	U		1.4	U		1.4	U		1.4	U		1.5	U	
Barium	mg/kg	1500	234		#	478		#	48.8		#	143		#	74.4		#	112		#
Beryllium	mg/kg	16	0.91	U		1.1		#	0.69	U		0.72	U		0.71	U		0.74	U	
Cadmium	mg/kg	7	0.25	J	#	0.58	J	#	0.69	U		0.72	U		0.71	U		0.74	U	
Calcium	mg/kg	N/A	134	J	~	584	J	~	1400		~	1290		~	97.3	J	~	410	J	~
Chromium	mg/kg	0.29	**26.9**		A	**54.7**		A	**17.4**		A	**54.5**		A	**37.9**		A	**12.6**		A
Cobalt	mg/kg	2.3	**42.2**		A	**245**		A	**103**		A	**25**		A	**9.2**		A	**40**		A
Copper	mg/kg	310	83.1		#	**528**		A	100		#	76		#	62.6		#	66.8		#
Cyanide	mg/kg	4.7	4.5	U		3.7	U		3.5	U		0.27	J	#	3.5	U		3.7	U	
Iron	mg/kg	5400	**64800**		A	**57500**		A	**55800**		A	**79600**		A	**45500**		A	**38800**		A
Lead	mg/kg	280	1.8	UJ		1.5	UJ		1.4	UJ		1.4	UJ		1.4	UJ		1.5	UJ	
Magnesium	mg/kg	N/A	155	J	~	7690		~	509	J	~	185	J	~	91	J	~	604	J	~
Manganese	mg/kg	21	**2250**		A	**3050**		A	**1090**		A	**6960**		A	**1020**		A	**1290**		A
Mercury	mg/kg	2	0.17	U		0.14	U		0.14	U		0.14		#	0.14	U		0.15	U	
Nickel	mg/kg	150	12.8		#	55		#	7.7		#	11.8		#	15.1		#	10.5		#
Potassium	mg/kg	N/A	909	U		750	U		129	J	~	133	J	~	31.7	J	~	154	J	~
Selenium	mg/kg	5.2	6.4	U		5.2	U		4.8	U		5.1	U		5	U		5.2	U	
Silver	mg/kg	12	4.6	J	#	4.3	J	#	4.5	J	#	6.7	J	#	3.7	J	#	3.2	J	#
Sodium	mg/kg	N/A	909	U		750	U		81.4	J	~	55.4	J	~	709	U		110	J	~
Thallium	mg/kg	0.08	0.45	U		0.37	U		0.35	U		0.36	UJ		0..35	UJ		0.37	UJ	
Vanadium	mg/kg	39	**124**		A	**187**		A	**151**		A	**250**		A	**126**		A	**96.7**		A
Zinc	mg/kg	2300	17.6		#	276		#	28.6		#	43		#	20.7		#	20.9		#
Additional Parameters																				

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		Sample Code	PESB-02-C			PESB-02-D			PESB-03-A			PESB-03-B			PESB-03-C			PESB-03-D		
		Location	PESB-02			PESB-02			PESB-03			PESB-03			PESB-03			PESB-03		
		Sample Date	11/16/2007			11/16/2007			11/15/2007			11/15/2007			11/15/2007			11/15/2007		
		Depth	21 to 23 ft			60 to 63 ft			0.5 to 1.5 ft			5 to 7 ft			21 to 23 ft			62 to 64 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
% GRANULE & LARGER >2 MM	%	N/A										0		~						
% VERY COURSE SAND >1 - 2 MM	%	N/A										1		~						
% COARSE SAND >.5 - 1 MM	%	N/A										1		~						
% MEDIUM SAND >.25 - .5 MM	%	N/A										2		~						
% FINE SAND >.125 - .25 MM	%	N/A										2		~						
% VERY FINE SAND >.0625 - .125 MM	%	N/A										2		~						
% SILT	%	N/A										18		~						
% CLAY & COLLOIDS	%	N/A										75		~						
pH	s.u.	N/A										8		~						
Total Organic Carbon	mg/Kg	N/A										6100		~						

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Comparison Flag

Pepsi - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	PESB-02-C			PESB-02-D			PESB-03-A			PESB-03-B			PESB-03-C			PESB-03-D		
		Location	PESB-02			PESB-02			PESB-03			PESB-03			PESB-03			PESB-03		
		Sample Date	11/16/2007			11/16/2007			11/15/2007			11/15/2007			11/15/2007			11/15/2007		
		Depth	21 to 23 ft			60 to 63 ft			0.5 to 1.5 ft			5 to 7 ft			21 to 23 ft			62 to 64 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

Pepsi - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	PESB-04-A			PESB-04-B			PESB-04-C			PESB-04-D			PESB-05-A			PESB-05-B		
		Location	PESB-04			PESB-04			PESB-04			PESB-04			PESB-05			PESB-05		
		Sample Date	11/15/2007			11/15/2007			11/15/2007			11/15/2007			11/15/2007			11/15/2007		
		Depth	3.5 to 4 ft			9 to 11 ft			21 to 23 ft			41 to 43 ft			0.2 to 1 ft			2 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
Chloromethane	ug/Kg	980	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
Vinyl Chloride	ug/Kg	13.8	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
Bromomethane	ug/Kg	36	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
Chloroethane	ug/Kg	118000	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
Trichlorofluoromethane	ug/Kg	13800	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
1,1-Dichloroethene	ug/Kg	50	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
Acetone	ug/Kg	48000	12	U		15	U		14	U		13	U		13	U		10	U	
Carbon Disulfide	ug/Kg	4200	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
Methyl Acetate	ug/Kg	64000	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
Methylene Chloride	ug/Kg	26	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
trans-1,2-Dichloroethene	ug/Kg	580	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
Methyl tert-Butyl Ether	ug/Kg	56	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
1,1-Dichloroethane	ug/Kg	13.6	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
cis-1,2-Dichloroethene	ug/Kg	420	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
2-Butanone	ug/Kg	20000	12	U		15	U		14	U		13	U		13	U		10	U	
Chlorobromomethane	ug/Kg	420	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
Chloroform	ug/Kg	290	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
Cyclohexane	ug/Kg	117000	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
Carbon Tetrachloride	ug/Kg	38	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
Benzene	ug/Kg	52	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
1,2-Dichloroethane	ug/Kg	28	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
1,4-Dioxane	ug/Kg	2.8	120	R		150	R		140	R		130	R		130	R		100	R	
Trichloroethene	ug/Kg	36	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	

Pepsi - Soil Sample Results Full Table
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Cidra, Puerto Rico

		Sample Code	PESB-04-A			PESB-04-B			PESB-04-C			PESB-04-D			PESB-05-A			PESB-05-B		
		Location	PESB-04			PESB-04			PESB-04			PESB-04			PESB-05			PESB-05		
		Sample Date	11/15/2007			11/15/2007			11/15/2007			11/15/2007			11/15/2007			11/15/2007		
		Depth	3.5 to 4 ft			9 to 11 ft			21 to 23 ft			41 to 43 ft			0.2 to 1 ft			2 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
1,2-Dichloropropane	ug/Kg	34	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
Bromodichloromethane	ug/Kg	270	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
cis-1,3-Dichloropropene	ug/Kg	3	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
4-Methyl-2-pentanone	ug/Kg	4600	12	U		15	U		14	U		13	U		13	U		10	U	
Toluene	ug/Kg	13800	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
trans-1,3-Dichloropropene	ug/Kg	3	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
1,1,2-Trichloroethane	ug/Kg	32	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
Tetrachloroethene	ug/Kg	46	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
2-Hexanone	ug/Kg	158	12	U		15	U		14	U		13	U		13	U		10	U	
Dibromochloromethane	ug/Kg	420	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
1,2-Dibromoethane	ug/Kg	0.28	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
Chlorobenzene	ug/Kg	1360	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
Ethylbenzene	ug/Kg	5400	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
o-Xylene	ug/Kg	3800	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
m,p-Xylene	ug/Kg	3600	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
Styrene	ug/Kg	2200	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
Bromoform	ug/Kg	420	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
Isopropylbenzene	ug/Kg	12800	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
1,4-Dichlorobenzene	ug/Kg	1440	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
1,2-Dichlorobenzene	ug/Kg	11600	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
1,2,3-Trichlorobenzene	ug/Kg	300	6.1	U		7.7	U		6.9	U		6.7	U		6.4	U		5.2	U	
Semi-Volatile Organic Compounds																				

Pepsi - Soil Sample Results Full Table
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Cidra, Puerto Rico

		Sample Code	PESB-04-A			PESB-04-B			PESB-04-C			PESB-04-D			PESB-05-A			PESB-05-B		
		Location	PESB-04			PESB-04			PESB-04			PESB-04			PESB-05			PESB-05		
		Sample Date	11/15/2007			11/15/2007			11/15/2007			11/15/2007			11/15/2007			11/15/2007		
		Depth	3.5 to 4 ft			9 to 11 ft			21 to 23 ft			41 to 43 ft			0.2 to 1 ft			2 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/Kg	6600	240	U		230	U		260	U		250	U		240	U		220	U	
Phenol	ug/Kg	52000	240	U		230	U		260	U		250	U		240	U		220	U	
bis(2-Chloroethyl) ether	ug/Kg	0.06	240	U		230	U		260	U		250	U		240	U		220	U	
2-Chlorophenol	ug/Kg	1140	240	U		230	U		260	U		250	U		240	U		220	U	
2-Methylphenol	ug/Kg	11600	240	U		230	U		260	U		250	U		240	U		220	U	
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	240	U		230	U		260	U		250	U		240	U		220	U	
Acetophenone	ug/Kg	9000	240	U		230	U		260	U		250	U		240	U		220	U	
4-Methylphenol	ug/Kg	22000	240	U		230	U		260	U		250	U		240	U		220	U	
n-Nitroso-di-n-propylamine	ug/Kg	0.14	240	U		230	U		260	U		250	U		240	U		220	U	
Hexachloroethane	ug/Kg	9.6	240	U		230	U		260	U		250	U		240	U		220	U	
Nitrobenzene	ug/Kg	1.58	240	U		230	U		260	U		250	U		240	U		220	U	
Isophorone	ug/Kg	440	240	U		230	U		260	U		250	U		240	U		220	U	
2-Nitrophenol	ug/Kg	N/A	240	U		230	U		260	U		250	U		240	U		220	U	
2,4-Dimethylphenol	ug/Kg	6400	240	U		230	U		260	U		250	U		240	U		220	U	
bis(2-Chloroethoxy)methane	ug/Kg	220	240	U		230	U		260	U		250	U		240	U		220	U	
2,4-Dichlorophenol	ug/Kg	820	240	U		230	U		260	U		250	U		240	U		220	U	
Naphthalene	ug/Kg	9.4	240	U		230	U		260	U		250	U		240	U		220	U	
4-Chloroaniline	ug/Kg	2.6	240	U		230	U		260	U		250	U		240	U		220	U	
Hexachlorobutadiene	ug/Kg	10	240	U		230	U		260	U		250	U		240	U		220	U	
Caprolactam	ug/Kg	38000	240	U		230	U		260	U		250	U		240	U		220	U	
4-Chloro-3-methylphenol	ug/Kg	26000	240	U		230	U		260	U		250	U		240	U		220	U	
2-Methylnaphthalene	ug/Kg	2800	240	U		230	U		260	U		250	U		240	U		220	U	
Hexachlorocyclopentadiene	ug/Kg	3200	240	U		230	U		260	U		250	U		240	U		220	U	
2,4,6-Trichlorophenol	ug/Kg	260	240	U		230	U		260	U		250	U		240	U		220	U	
2,4,5-Trichlorophenol	ug/Kg	66000	240	U		230	U		260	U		250	U		240	U		220	U	
1,1'-Biphenyl	ug/Kg	174	240	U		230	U		260	U		250	U		240	U		220	U	
2-Chloronaphthalene	ug/Kg	58000	240	U		230	U		260	U		250	U		240	U		220	U	
2-Nitroaniline	ug/Kg	1240	460	U		440	U		500	U		490	U		460	U		430	U	

Pepsi - Soil Sample Results Full Table
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		Sample Code	PESB-04-A			PESB-04-B			PESB-04-C			PESB-04-D			PESB-05-A			PESB-05-B		
		Location	PESB-04			PESB-04			PESB-04			PESB-04			PESB-05			PESB-05		
		Sample Date	11/15/2007			11/15/2007			11/15/2007			11/15/2007			11/15/2007			11/15/2007		
		Depth	3.5 to 4 ft			9 to 11 ft			21 to 23 ft			41 to 43 ft			0.2 to 1 ft			2 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Dimethylphthalate	ug/Kg	N/A	240	U		230	U		260	U		250	U		240	U		220	U	
2,6-Dinitrotoluene	ug/Kg	400	240	U		230	U		260	U		250	U		240	U		220	U	
Acenaphthylene	ug/Kg	N/A	240	U		230	U		260	U		250	U		240	U		220	U	
3-Nitroaniline	ug/Kg	N/A	460	U		440	U		500	U		490	U		460	U		430	U	
Acenaphthene	ug/Kg	82000	240	U		230	U		260	U		250	U		240	U		220	U	
2,4-Dinitrophenol	ug/Kg	680	460	U		440	U		500	U		490	U		460	U		430	U	
4-Nitrophenol	ug/Kg	N/A	460	U		440	U		500	U		490	U		460	U		430	U	
Dibenzofuran	ug/Kg	N/A	240	U		230	U		260	U		250	U		240	U		220	U	
2,4-Dinitrotoluene	ug/Kg	5.6	240	U		230	U		260	U		250	U		240	U		220	U	
Diethylphthalate	ug/Kg	94000	240	U		230	U		260	U		250	U		240	U		220	U	
Fluorene	ug/Kg	80000	240	U		230	U		260	U		250	U		240	U		220	U	
4-Chlorophenyl-phenylether	ug/Kg	N/A	240	U		230	U		260	U		250	U		240	U		220	U	
4-Nitroaniline	ug/Kg	28	460	U		440	U		500	U		490	U		460	U		430	U	
4,6-Dinitro-2-methylphenol	ug/Kg	40	460	U		440	U		500	U		490	U		460	U		430	U	
n-Nitrosodiphenylamine	ug/Kg	1140	240	U		230	U		260	U		250	U		240	U		220	U	
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	240	U		230	U		260	U		250	U		240	U		220	U	
4-Bromophenyl-phenylether	ug/Kg	N/A	240	U		230	U		260	U		250	U		240	U		220	U	
Hexachlorobenzene	ug/Kg	260	240	U		230	U		260	U		250	U		240	U		220	U	
Atrazine	ug/Kg	38	240	U		230	U		260	U		250	U		240	U		220	U	
Pentachlorophenol	ug/Kg	200	460	U		440	U		500	U		490	U		460	U		430	U	
Phenanthrene	ug/Kg	N/A	240	U		230	U		260	U		250	U		240	U		220	U	
Anthracene	ug/Kg	840000	240	U		230	U		260	U		250	U		240	U		220	U	
Carbazole	ug/Kg	N/A	240	U		230	U		260	U		250	U		240	U		220	U	
Di-n-butylphthalate	ug/Kg	34000	240	U		230	U		260	U		250	U		240	U		220	U	
Fluoranthene	ug/Kg	230000	240	U		230	UJ		260	UJ		250	U		240	U		220	U	
Pyrene	ug/Kg	170000	240	U		230	UJ		260	UJ		250	U		240	U		220	U	
Butylbenzylphthalate	ug/Kg	4000	240	U		230	U		260	U		250	U		240	U		220	U	
3,3'-Dichlorobenzidine	ug/Kg	14.2	240	U		230	U		260	U		250	U		240	U		220	U	

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		Sample Code	PESB-04-A			PESB-04-B			PESB-04-C			PESB-04-D			PESB-05-A			PESB-05-B		
		Location	PESB-04			PESB-04			PESB-04			PESB-04			PESB-05			PESB-05		
		Sample Date	11/15/2007			11/15/2007			11/15/2007			11/15/2007			11/15/2007			11/15/2007		
		Depth	3.5 to 4 ft			9 to 11 ft			21 to 23 ft			41 to 43 ft			0.2 to 1 ft			2 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzo(a)anthracene	ug/Kg	150	240	U		230	UJ		260	U		250	U		240	U		220	U	
Chrysene	ug/Kg	15000	240	U		230	UJ		260	U		250	U		240	U		220	U	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	240	U		230	U		260	U		250	U		240	U		220	U	
Di-n-octylphthalate	ug/Kg	N/A	240	U		230	U		260	U		250	U		240	U		220	U	
Benzo(b)fluoranthene	ug/Kg	150	240	U		230	U		260	UJ		250	U		240	U		220	U	
Benzo(k)fluoranthene	ug/Kg	1500	240	U		230	U		260	UJ		250	U		240	U		220	U	
Benzo(a)pyrene	ug/Kg	15	240	U		230	U		260	UJ		250	U		240	U		220	U	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	240	U		230	U		260	UJ		250	U		240	U		220	U	
Dibenz(a,h)anthracene	ug/Kg	15	240	U		230	U		260	UJ		250	U		240	U		220	U	
Benzo(g,h,i)perylene	ug/Kg	N/A	240	U		230	U		260	UJ		250	U		240	U		220	U	
Chlorophenols	ug/Kg	22000	240	U		230	U		260	U		250	U		240	U		220	U	
PCBs																				
Aroclor-1016	ug/Kg	390	46	UJ		44	UJ		50	UJ		49	UJ		46	UJ		43	UJ	
Aroclor-1221	ug/Kg	1.48	46	UJ		44	UJ		50	UJ		49	UJ		46	UJ		43	UJ	
Aroclor-1232	ug/Kg	1.48	46	UJ		44	UJ		50	UJ		49	UJ		46	UJ		43	UJ	
Aroclor-1242	ug/Kg	106	46	UJ		44	UJ		50	UJ		49	UJ		46	UJ		43	UJ	
Aroclor-1248	ug/Kg	104	46	UJ		44	UJ		50	UJ		49	UJ		46	UJ		43	UJ	
Aroclor-1254	ug/Kg	110	46	UJ		44	UJ		50	UJ		49	UJ		46	UJ		43	UJ	
Aroclor-1260	ug/Kg	220	46	UJ		44	UJ		50	UJ		49	UJ		46	UJ		43	UJ	
Aroclor-1262	ug/Kg	220	46	UJ		44	UJ		50	UJ		49	UJ		46	UJ		43	UJ	
Aroclor-1268	ug/Kg	220	46	UJ		44	UJ		50	UJ		49	UJ		46	UJ		43	UJ	
Pesticides																				
alpha-BHC	ug/Kg	0.72	2.4	U		2.3	U		2.6	U		2.5	U		2.4	U		2.2	U	
beta-BHC	ug/Kg	2.6	2.4	U		2.3	U		2.6	U		2.5	U		2.4	U		2.2	U	
delta-BHC	ug/Kg	N/A	2.4	U		2.3	U		2.6	U		2.5	U		2.4	U		2.2	U	
gamma-BHC (Lindane)	ug/Kg	24	2.4	U		2.3	U		2.6	U		2.5	U		2.4	U		2.2	U	

Pepsi - Soil Sample Results Full Table
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		Sample Code	PESB-04-A			PESB-04-B			PESB-04-C			PESB-04-D			PESB-05-A			PESB-05-B		
		Location	PESB-04			PESB-04			PESB-04			PESB-04			PESB-05			PESB-05		
		Sample Date	11/15/2007			11/15/2007			11/15/2007			11/15/2007			11/15/2007			11/15/2007		
		Depth	3.5 to 4 ft			9 to 11 ft			21 to 23 ft			41 to 43 ft			0.2 to 1 ft			2 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Heptachlor	ug/Kg	110	2.4	U		2.3	U		2.6	U		2.5	U		2.4	U		2.2	U	
Aldrin	ug/Kg	0.68	2.4	U		2.3	U		2.6	U		2.5	U		2.4	U		2.2	U	
Heptachlor epoxide	ug/Kg	53	2.4	U		2.3	U		2.6	U		2.5	U		2.4	U		2.2	U	
Endosulfan I	ug/Kg	22000	2.4	U		2.3	U		2.6	U		2.5	U		2.4	U		2.2	U	
Dieldrin	ug/Kg	1.22	4.6	U		4.4	U		5	U		4.9	U		4.6	U		4.3	U	
4,4'-DDE	ug/Kg	920	4.6	U		4.4	U		5	U		4.9	U		4.6	U		4.3	U	
Endrin	ug/Kg	1620	4.6	U		4.4	U		5	U		4.9	U		4.6	U		4.3	U	
Endosulfan II	ug/Kg	22000	4.6	U		4.4	U		5	U		4.9	U		4.6	U		4.3	U	
4,4'-DDD	ug/Kg	1320	4.6	U		4.4	U		5	U		4.9	U		4.6	U		4.3	U	
Endosulfan sulfate	ug/Kg	22000	4.6	U		4.4	U		5	U		4.9	U		4.6	U		4.3	U	
4,4'-DDT	ug/Kg	1340	4.6	U		4.4	U		5	U		4.9	U		4.6	U		4.3	U	
Methoxychlor	ug/Kg	31000	24	U		23	U		26	U		25	U		24	U		22	U	
Endrin ketone	ug/Kg	1620	4.6	U		4.4	U		5	U		4.9	U		4.6	U		4.3	U	
Endrin aldehyde	ug/Kg	1620	4.6	U		4.4	U		5	U		4.9	U		4.6	U		4.3	U	
alpha-Chlordane	ug/Kg	1600	2.4	U		2.3	U		2.6	U		2.5	U		2.4	U		2.2	U	
gamma-Chlordane	ug/Kg	1600	2.4	U		2.3	U		2.6	U		2.5	U		2.4	U		2.2	U	
Toxaphene	ug/Kg	440	240	U		230	U		260	U		250	U		240	U		220	U	
Aroclors																				
Aroclor-1016	ug/L																			
Aroclor-1221	ug/L																			
Aroclor-1232	ug/L																			
Aroclor-1242	ug/L																			
Aroclor-1248	ug/L																			
Aroclor-1254	ug/L																			
Aroclor-1260	ug/L																			
Aroclor-1262	ug/L																			
Aroclor-1268	ug/L																			

Pepsi - Soil Sample Results Full Table
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		Sample Code	PESB-04-A			PESB-04-B			PESB-04-C			PESB-04-D			PESB-05-A			PESB-05-B		
		Location	PESB-04			PESB-04			PESB-04			PESB-04			PESB-05			PESB-05		
		Sample Date	11/15/2007			11/15/2007			11/15/2007			11/15/2007			11/15/2007			11/15/2007		
		Depth	3.5 to 4 ft			9 to 11 ft			21 to 23 ft			41 to 43 ft			0.2 to 1 ft			2 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Inorganic Analytes																				
Aluminum	mg/kg	7700	6030		#	4230		#	6370		#	**9480**		A	**9500**		A	5440		#
Antimony	mg/kg	3.1	2	UJ		2	UJ		2.3	UJ		2.3	UJ		2	U		2	U	
Arsenic	mg/kg	0.39	1.3	U		1.3	U		1.5	U		1.5	U		1.4	U		1.3	U	
Barium	mg/kg	1500	12.8	J	#	7.3	J	#	316		#	388		#	50.2		#	85.5		#
Beryllium	mg/kg	16	0.67	U		0.65	U		0.74	U		1.2		#	0.68	U		0.64	U	
Cadmium	mg/kg	7	0.67	U		0.65	U		0.74	U		0.75	U		0.68	U		0.64	U	
Calcium	mg/kg	N/A	599	J	~	428	J	~	383	J	~	1490		~	472	J	~	343	J	~
Chromium	mg/kg	0.29	**29**		A	**22**		A	**23.3**		A	**21**		A	**20.5**	J	A	**36**	J	A
Cobalt	mg/kg	2.3	**7.9**		A	**2.5**	J	A	**74.7**		A	**116**		A	**13.9**		A	**85.9**		A
Copper	mg/kg	310	53.3		#	80.3		#	159		#	**348**		A	68.2		#	70.5		#
Cyanide	mg/kg	4.7	3.4	U		3.3	U		3.7	U		3.7	U		3.4	U		3.3	U	
Iron	mg/kg	5400	**63900**		A	**51000**		A	**43600**		A	**21000**		A	**43000**		A	**51600**		A
Lead	mg/kg	280	1.3	UJ		1.3	UJ		1.5	UJ		1.5	UJ		1.4	UJ		1.3	UJ	
Magnesium	mg/kg	N/A	177	J	~	184	J	~	1530		~	6400		~	326	J	~	209	J	~
Manganese	mg/kg	21	**912**		A	**402**		A	**2090**		A	**1480**		A	**1110**		A	**1410**		A
Mercury	mg/kg	2	0.13	U		0.12	U		0.14	U		0.14	U		0.14	U		0.07	J	#
Nickel	mg/kg	150	3.7	J	#	4.8	J	#	20.7		#	39.1		#	7.4		#	12.9		#
Potassium	mg/kg	N/A	59.7	J	~	23.5	J	~	204	J	~	150	J	~	678	UJ		642	UJ	
Selenium	mg/kg	5.2	4.7	U		4.5	U		5.2	U		5.2	U		4.7	U		4.5	U	
Silver	mg/kg	12	5.3	J	#	4.3	J	#	3.8	J	#	1.8	J	#	3.8	J	#	4.7	J	#
Sodium	mg/kg	N/A	672	U		35.9	J	~	742	U		247	J	~	678	U		642	U	
Thallium	mg/kg	0.08	0.34	UJ		0.33	UJ		0.37	UJ		0.37	UJ		0.34	U		0.33	U	
Vanadium	mg/kg	39	**193**		A	**140**		A	**105**		A	**53.7**		A	**139**		A	**159**		A
Zinc	mg/kg	2300	31.7		#	19.6		#	54.3		#	268		#	27		#	26.7		#
Additional Parameters																				

Pepsi - Soil Sample Results Full Table
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		Sample Code	PESB-04-A			PESB-04-B			PESB-04-C			PESB-04-D			PESB-05-A			PESB-05-B		
		Location	PESB-04			PESB-04			PESB-04			PESB-04			PESB-05			PESB-05		
		Sample Date	11/15/2007			11/15/2007			11/15/2007			11/15/2007			11/15/2007			11/15/2007		
		Depth	3.5 to 4 ft			9 to 11 ft			21 to 23 ft			41 to 43 ft			0.2 to 1 ft			2 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
% GRANULE & LARGER >2 MM	%	N/A							0		~							0		~
% VERY COURSE SAND >1 - 2 MM	%	N/A							0		~							0		~
% COARSE SAND >.5 - 1 MM	%	N/A							0		~							0		~
% MEDIUM SAND >.25 - .5 MM	%	N/A							1		~							1		~
% FINE SAND >.125 - .25 MM	%	N/A							3		~							2		~
% VERY FINE SAND >.0625 - .125 MM	%	N/A							3		~							3		~
% SILT	%	N/A							73		~							37		~
% CLAY & COLLOIDS	%	N/A							20		~							57		~
pH	s.u.	N/A							6		~							6		~
Total Organic Carbon	mg/Kg	N/A							320	J	~							1300		~

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Comparison Flag

Pepsi - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
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		Sample Code	PESB-04-A			PESB-04-B			PESB-04-C			PESB-04-D			PESB-05-A			PESB-05-B		
		Location	PESB-04			PESB-04			PESB-04			PESB-04			PESB-05			PESB-05		
		Sample Date	11/15/2007			11/15/2007			11/15/2007			11/15/2007			11/15/2007			11/15/2007		
		Depth	3.5 to 4 ft			9 to 11 ft			21 to 23 ft			41 to 43 ft			0.2 to 1 ft			2 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

Pepsi - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	PESB-05-C			PESB-05-D			PESB-06-A			PESB-06-B			PESB-06-C			PESB-06-D		
		Location	PESB-05			PESB-05			PESB-06			PESB-06			PESB-06			PESB-06		
		Sample Date	11/15/2007			11/15/2007			11/14/2007			11/14/2007			11/14/2007			11/14/2007		
		Depth	5 to 7 ft			60 to 62 ft			0 to 1 ft			5 to 7 ft			21 to 22 ft			62 to 64 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
Chloromethane	ug/Kg	980	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
Vinyl Chloride	ug/Kg	13.8	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
Bromomethane	ug/Kg	36	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
Chloroethane	ug/Kg	118000	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
Trichlorofluoromethane	ug/Kg	13800	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
1,1-Dichloroethene	ug/Kg	50	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
Acetone	ug/Kg	48000	12	U		14	U		12	U		11	U		13	U		14	U	
Carbon Disulfide	ug/Kg	4200	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
Methyl Acetate	ug/Kg	64000	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
Methylene Chloride	ug/Kg	26	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
trans-1,2-Dichloroethene	ug/Kg	580	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
Methyl tert-Butyl Ether	ug/Kg	56	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
1,1-Dichloroethane	ug/Kg	13.6	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
cis-1,2-Dichloroethene	ug/Kg	420	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
2-Butanone	ug/Kg	20000	12	U		14	U		12	U		11	U		13	U		14	U	
Chlorobromomethane	ug/Kg	420	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
Chloroform	ug/Kg	290	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
Cyclohexane	ug/Kg	117000	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
Carbon Tetrachloride	ug/Kg	38	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
Benzene	ug/Kg	52	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
1,2-Dichloroethane	ug/Kg	28	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
1,4-Dioxane	ug/Kg	2.8	120	R		140	R		120	R		110	R		130	R		140	R	
Trichloroethene	ug/Kg	36	6.1	UJ		7.1	UJ		6.2	U		5.5	U		6.6	UJ		7	UJ	

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		Sample Code	PESB-05-C			PESB-05-D			PESB-06-A			PESB-06-B			PESB-06-C			PESB-06-D		
		Location	PESB-05			PESB-05			PESB-06			PESB-06			PESB-06			PESB-06		
		Sample Date	11/15/2007			11/15/2007			11/14/2007			11/14/2007			11/14/2007			11/14/2007		
		Depth	5 to 7 ft			60 to 62 ft			0 to 1 ft			5 to 7 ft			21 to 22 ft			62 to 64 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
1,2-Dichloropropane	ug/Kg	34	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
Bromodichloromethane	ug/Kg	270	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
cis-1,3-Dichloropropene	ug/Kg	3	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
4-Methyl-2-pentanone	ug/Kg	4600	12	U		14	U		12	U		11	U		13	U		14	U	
Toluene	ug/Kg	13800	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
trans-1,3-Dichloropropene	ug/Kg	3	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
1,1,2-Trichloroethane	ug/Kg	32	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
Tetrachloroethene	ug/Kg	46	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
2-Hexanone	ug/Kg	158	12	U		14	U		12	U		11	U		13	U		14	U	
Dibromochloromethane	ug/Kg	420	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
1,2-Dibromoethane	ug/Kg	0.28	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
Chlorobenzene	ug/Kg	1360	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
Ethylbenzene	ug/Kg	5400	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
o-Xylene	ug/Kg	3800	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
m,p-Xylene	ug/Kg	3600	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
Styrene	ug/Kg	2200	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
Bromoform	ug/Kg	420	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
Isopropylbenzene	ug/Kg	12800	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
1,4-Dichlorobenzene	ug/Kg	1440	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
1,2-Dichlorobenzene	ug/Kg	11600	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
1,2,3-Trichlorobenzene	ug/Kg	300	6.1	U		7.1	U		6.2	U		5.5	U		6.6	U		7	U	
Semi-Volatile Organic Compounds																				

Pepsi - Soil Sample Results Full Table
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		Sample Code	PESB-05-C			PESB-05-D			PESB-06-A			PESB-06-B			PESB-06-C			PESB-06-D		
		Location	PESB-05			PESB-05			PESB-06			PESB-06			PESB-06			PESB-06		
		Sample Date	11/15/2007			11/15/2007			11/14/2007			11/14/2007			11/14/2007			11/14/2007		
		Depth	5 to 7 ft			60 to 62 ft			0 to 1 ft			5 to 7 ft			21 to 22 ft			62 to 64 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/Kg	6600	230	U		260	U		230	U		230	U		240	U		250	U	
Phenol	ug/Kg	52000	230	U		260	U		230	U		230	U		240	U		250	U	
bis(2-Chloroethyl) ether	ug/Kg	0.06	230	U		260	U		230	U		230	U		240	U		250	U	
2-Chlorophenol	ug/Kg	1140	230	U		260	U		230	U		230	U		240	U		250	U	
2-Methylphenol	ug/Kg	11600	230	U		260	U		230	U		230	U		240	U		250	U	
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	230	U		260	U		230	U		230	U		240	U		250	U	
Acetophenone	ug/Kg	9000	230	U		260	U		230	U		230	U		240	U		250	U	
4-Methylphenol	ug/Kg	22000	230	U		260	U		230	U		230	U		240	U		250	U	
n-Nitroso-di-n-propylamine	ug/Kg	0.14	230	U		260	U		230	U		230	U		240	U		250	U	
Hexachloroethane	ug/Kg	9.6	230	U		260	U		230	U		230	U		240	U		250	U	
Nitrobenzene	ug/Kg	1.58	230	U		260	U		230	U		230	U		240	U		250	U	
Isophorone	ug/Kg	440	230	U		260	U		230	U		230	U		240	U		250	U	
2-Nitrophenol	ug/Kg	N/A	230	U		260	U		230	U		230	U		240	U		250	U	
2,4-Dimethylphenol	ug/Kg	6400	230	U		260	U		230	U		230	U		240	U		250	U	
bis(2-Chloroethoxy)methane	ug/Kg	220	230	U		260	U		230	U		230	U		240	U		250	U	
2,4-Dichlorophenol	ug/Kg	820	230	U		260	U		230	U		230	U		240	U		250	U	
Naphthalene	ug/Kg	9.4	230	U		260	U		230	U		230	U		240	U		250	U	
4-Chloroaniline	ug/Kg	2.6	230	U		260	U		230	U		230	U		240	U		250	U	
Hexachlorobutadiene	ug/Kg	10	230	U		260	U		230	U		230	U		240	U		250	U	
Caprolactam	ug/Kg	38000	230	U		260	U		230	U		230	U		240	U		250	U	
4-Chloro-3-methylphenol	ug/Kg	26000	230	U		260	U		230	U		230	U		240	U		250	U	
2-Methylnaphthalene	ug/Kg	2800	230	U		260	U		230	U		230	U		240	U		250	U	
Hexachlorocyclopentadiene	ug/Kg	3200	230	U		260	U		230	U		230	U		240	U		250	U	
2,4,6-Trichlorophenol	ug/Kg	260	230	U		260	U		230	U		230	U		240	U		250	U	
2,4,5-Trichlorophenol	ug/Kg	66000	230	U		260	U		230	U		230	U		240	U		250	U	
1,1'-Biphenyl	ug/Kg	174	230	U		260	U		230	U		230	U		240	U		250	U	
2-Chloronaphthalene	ug/Kg	58000	230	U		260	U		230	U		230	U		240	U		250	U	
2-Nitroaniline	ug/Kg	1240	450	U		510	U		450	U		440	U		460	U		490	U	

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		Sample Code	PESB-05-C			PESB-05-D			PESB-06-A			PESB-06-B			PESB-06-C			PESB-06-D		
		Location	PESB-05			PESB-05			PESB-06			PESB-06			PESB-06			PESB-06		
		Sample Date	11/15/2007			11/15/2007			11/14/2007			11/14/2007			11/14/2007			11/14/2007		
		Depth	5 to 7 ft			60 to 62 ft			0 to 1 ft			5 to 7 ft			21 to 22 ft			62 to 64 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Dimethylphthalate	ug/Kg	N/A	230	U		260	U		230	U		230	U		240	U		250	U	
2,6-Dinitrotoluene	ug/Kg	400	230	U		260	U		230	U		230	U		240	U		250	U	
Acenaphthylene	ug/Kg	N/A	230	U		260	U		230	U		230	U		240	U		250	U	
3-Nitroaniline	ug/Kg	N/A	450	U		510	U		450	U		440	U		460	U		490	U	
Acenaphthene	ug/Kg	82000	230	U		260	U		230	U		230	U		240	U		250	U	
2,4-Dinitrophenol	ug/Kg	680	450	U		510	U		450	U		440	U		460	U		490	U	
4-Nitrophenol	ug/Kg	N/A	450	U		510	U		450	U		440	U		460	U		490	U	
Dibenzofuran	ug/Kg	N/A	230	U		260	U		230	U		230	U		240	U		250	U	
2,4-Dinitrotoluene	ug/Kg	5.6	230	U		260	U		230	U		230	U		240	U		250	U	
Diethylphthalate	ug/Kg	94000	230	U		260	U		230	U		230	U		240	U		250	U	
Fluorene	ug/Kg	80000	230	U		260	U		230	U		230	U		240	U		250	U	
4-Chlorophenyl-phenylether	ug/Kg	N/A	230	U		260	U		230	U		230	U		240	U		250	U	
4-Nitroaniline	ug/Kg	28	450	U		510	U		450	U		440	U		460	U		490	U	
4,6-Dinitro-2-methylphenol	ug/Kg	40	450	U		510	U		450	U		440	U		460	U		490	U	
n-Nitrosodiphenylamine	ug/Kg	1140	230	U		260	U		230	U		230	U		240	U		250	U	
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	230	U		260	U		230	U		230	U		240	U		250	U	
4-Bromophenyl-phenylether	ug/Kg	N/A	230	U		260	U		230	U		230	U		240	U		250	U	
Hexachlorobenzene	ug/Kg	260	230	U		260	U		230	U		230	U		240	U		250	U	
Atrazine	ug/Kg	38	230	U		260	U		230	U		230	U		240	U		250	U	
Pentachlorophenol	ug/Kg	200	450	U		510	U		450	U		440	U		460	U		490	U	
Phenanthrene	ug/Kg	N/A	230	U		260	U		230	U		230	U		240	U		250	U	
Anthracene	ug/Kg	840000	230	U		260	U		230	U		230	U		240	U		250	U	
Carbazole	ug/Kg	N/A	230	U		260	U		230	U		230	U		240	U		250	U	
Di-n-butylphthalate	ug/Kg	34000	230	U		260	U		230	U		230	U		240	U		250	U	
Fluoranthene	ug/Kg	230000	230	U		260	U		230	U		230	U		240	U		250	U	
Pyrene	ug/Kg	170000	230	U		260	U		230	U		230	U		240	U		250	U	
Butylbenzylphthalate	ug/Kg	4000	230	U		260	U		230	U		230	U		240	U		250	U	
3,3'-Dichlorobenzidine	ug/Kg	14.2	230	U		260	U		230	U		230	U		240	U		250	U	

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		Sample Code	PESB-05-C			PESB-05-D			PESB-06-A			PESB-06-B			PESB-06-C			PESB-06-D		
		Location	PESB-05			PESB-05			PESB-06			PESB-06			PESB-06			PESB-06		
		Sample Date	11/15/2007			11/15/2007			11/14/2007			11/14/2007			11/14/2007			11/14/2007		
		Depth	5 to 7 ft			60 to 62 ft			0 to 1 ft			5 to 7 ft			21 to 22 ft			62 to 64 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzo(a)anthracene	ug/Kg	150	230	U		260	U		230	U		230	U		240	U		250	U	
Chrysene	ug/Kg	15000	230	U		260	U		230	U		230	U		240	U		250	U	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	230	U		260	U		230	U		230	U		240	U		250	U	
Di-n-octylphthalate	ug/Kg	N/A	230	U		260	U		230	U		230	U		240	U		250	U	
Benzo(b)fluoranthene	ug/Kg	150	230	U		260	U		230	U		230	U		240	U		250	U	
Benzo(k)fluoranthene	ug/Kg	1500	230	U		260	U		230	U		230	U		240	U		250	U	
Benzo(a)pyrene	ug/Kg	15	230	U		260	U		230	U		230	U		240	U		250	U	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	230	U		260	U		230	U		230	U		240	U		250	U	
Dibenz(a,h)anthracene	ug/Kg	15	230	U		260	U		230	U		230	U		240	U		250	U	
Benzo(g,h,i)perylene	ug/Kg	N/A	230	U		260	U		230	U		230	U		240	U		250	U	
Chlorophenols	ug/Kg	22000	230	U		260	U		230	U		230	U		240	U		250	U	
PCBs																				
Aroclor-1016	ug/Kg	390	45	UJ		51	UJ		45	U		45	U		46	UJ		49	UJ	
Aroclor-1221	ug/Kg	1.48	45	UJ		51	UJ		45	U		45	U		46	UJ		49	UJ	
Aroclor-1232	ug/Kg	1.48	45	UJ		51	UJ		45	U		45	U		46	UJ		49	UJ	
Aroclor-1242	ug/Kg	106	45	UJ		51	UJ		45	U		45	U		46	UJ		49	UJ	
Aroclor-1248	ug/Kg	104	45	UJ		51	UJ		45	U		45	U		46	UJ		49	UJ	
Aroclor-1254	ug/Kg	110	45	UJ		51	UJ		45	U		45	U		46	UJ		49	UJ	
Aroclor-1260	ug/Kg	220	45	UJ		51	UJ		45	U		45	U		46	UJ		49	UJ	
Aroclor-1262	ug/Kg	220	45	UJ		51	UJ		45	U		45	U		46	UJ		49	UJ	
Aroclor-1268	ug/Kg	220	45	UJ		51	UJ		45	U		45	U		46	UJ		49	UJ	
Pesticides																				
alpha-BHC	ug/Kg	0.72	2.3	U		2.6	U		2.3	U		2.3	U		2.4	U		2.5	U	
beta-BHC	ug/Kg	2.6	2.3	U		2.6	U		2.3	U		2.3	U		2.4	U		2.5	U	
delta-BHC	ug/Kg	N/A	2.3	U		2.6	U		2.3	U		2.3	U		2.4	U		2.5	U	
gamma-BHC (Lindane)	ug/Kg	24	2.3	U		2.6	U		2.3	U		2.3	U		2.4	U		2.5	U	

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		Sample Code	PESB-05-C			PESB-05-D			PESB-06-A			PESB-06-B			PESB-06-C			PESB-06-D		
		Location	PESB-05			PESB-05			PESB-06			PESB-06			PESB-06			PESB-06		
		Sample Date	11/15/2007			11/15/2007			11/14/2007			11/14/2007			11/14/2007			11/14/2007		
		Depth	5 to 7 ft			60 to 62 ft			0 to 1 ft			5 to 7 ft			21 to 22 ft			62 to 64 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Heptachlor	ug/Kg	110	2.3	U		2.6	U		2.3	U		2.3	U		2.4	U		2.5	U	
Aldrin	ug/Kg	0.68	2.3	U		2.6	U		2.3	U		2.3	U		2.4	U		2.5	U	
Heptachlor epoxide	ug/Kg	53	2.3	U		2.6	U		2.3	U		2.3	U		2.4	U		2.5	U	
Endosulfan I	ug/Kg	22000	2.3	U		2.6	U		2.3	U		2.3	U		2.4	U		2.5	U	
Dieldrin	ug/Kg	1.22	4.5	U		5.1	U		4.5	U		4.5	U		4.6	U		4.9	U	
4,4'-DDE	ug/Kg	920	4.5	U		5.1	U		4.5	U		4.5	U		4.6	U		4.9	U	
Endrin	ug/Kg	1620	4.5	U		5.1	U		4.5	U		4.5	U		4.6	U		4.9	U	
Endosulfan II	ug/Kg	22000	4.5	U		5.1	U		4.5	U		4.5	U		4.6	U		4.9	U	
4,4'-DDD	ug/Kg	1320	4.5	U		5.1	U		4.5	U		4.5	U		4.6	U		4.9	U	
Endosulfan sulfate	ug/Kg	22000	4.5	U		5.1	U		4.5	U		4.5	U		4.6	U		4.9	U	
4,4'-DDT	ug/Kg	1340	4.5	U		5.1	U		4.5	U		4.5	U		4.6	U		4.9	U	
Methoxychlor	ug/Kg	31000	23	U		26	U		23	U		23	U		24	U		25	U	
Endrin ketone	ug/Kg	1620	4.5	U		5.1	U		4.5	U		4.5	U		4.6	U		4.9	U	
Endrin aldehyde	ug/Kg	1620	4.5	U		5.1	U		4.5	U		4.5	U		4.6	U		4.9	U	
alpha-Chlordane	ug/Kg	1600	2.3	U		2.6	U		2.3	U		2.3	U		2.4	U		2.5	U	
gamma-Chlordane	ug/Kg	1600	2.3	U		2.6	U		2.3	U		2.3	U		2.4	U		2.5	U	
Toxaphene	ug/Kg	440	230	U		260	U		230	U		230	U		240	U		250	U	
Aroclors																				
Aroclor-1016	ug/L																			
Aroclor-1221	ug/L																			
Aroclor-1232	ug/L																			
Aroclor-1242	ug/L																			
Aroclor-1248	ug/L																			
Aroclor-1254	ug/L																			
Aroclor-1260	ug/L																			
Aroclor-1262	ug/L																			
Aroclor-1268	ug/L																			

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		Sample Code	PESB-05-C			PESB-05-D			PESB-06-A			PESB-06-B			PESB-06-C			PESB-06-D		
		Location	PESB-05			PESB-05			PESB-06			PESB-06			PESB-06			PESB-06		
		Sample Date	11/15/2007			11/15/2007			11/14/2007			11/14/2007			11/14/2007			11/14/2007		
		Depth	5 to 7 ft			60 to 62 ft			0 to 1 ft			5 to 7 ft			21 to 22 ft			62 to 64 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Inorganic Analytes																				
Aluminum	mg/kg	7700	**10800**		A	**23100**		A	**10300**		A	5200		#	**8620**		A	7660		#
Antimony	mg/kg	3.1	2.1	U		2.3	U		2	UJ		2.1	UJ		2.3	UJ		2.4	UJ	
Arsenic	mg/kg	0.39	1.4	U		1.5	U		**1.6**		A	1.4	U		1.6	U		1.6	U	
Barium	mg/kg	1500	56		#	256		#	144		#	3.1	J	#	214		#	146		#
Beryllium	mg/kg	16	0.69	U		1.1		#	0.67	U		0.71	U		0.78	U		0.79	U	
Cadmium	mg/kg	7	0.13	J	#	0.35	J	#	0.67	U		0.71	U		0.78	U		0.79	U	
Calcium	mg/kg	N/A	447	J	~	1020		~	2960		~	1220		~	319	J	~	370	J	~
Chromium	mg/kg	0.29	**43.8**		A	**72**		A	**44.1**		A	**7.1**		A	**4.3**		A	**6.3**		A
Cobalt	mg/kg	2.3	**36.2**		A	**36.7**		A	**56**		A	0.47	J	#	**41.5**		A	**74.8**		A
Copper	mg/kg	310	105		#	217		#	97.3		#	55.7		#	161		#	121		#
Cyanide	mg/kg	4.7	3.4	U		3.8	U		3.4	U		3.5	U		3.9	U		4	U	
Iron	mg/kg	5400	**56200**		A	**56100**		A	**88000**		A	**44900**		A	**51100**		A	**53400**		A
Lead	mg/kg	280	1.4	UJ		1.5	UJ		1.3	UJ		1.4	UJ		1.6	UJ		1.6	UJ	
Magnesium	mg/kg	N/A	356	J	~	5890		~	457	J	~	134	J	~	1400		~	1870		~
Manganese	mg/kg	21	**856**		A	**927**		A	**4380**		A	**470**		A	**2760**		A	**1910**		A
Mercury	mg/kg	2	0.14		#	0.15	U		0.13	J	#	0.044	J	#	0.16	U		0.14	U	
Nickel	mg/kg	150	12.9		#	63.3		#	10.5		#	2.4	J	#	11.8		#	8.2		#
Potassium	mg/kg	N/A	686	U		769	U		113	J	~	19	J	~	46.3	J	~	72	J	~
Selenium	mg/kg	5.2	4.8	U		5.4	U		4.7	U		5	U		5.5	U		5.5	U	
Silver	mg/kg	12	4	J	#	4.3	J	#	7.2	J	#	3.6	J	#	4.2	J	#	4.5	J	#
Sodium	mg/kg	N/A	686	U		769	U		670	U		212	J	~	108	J	~	202	J	~
Thallium	mg/kg	0.08	0.34	U		0.38	U		0.34	UJ		0.35	U		0.39	UJ		0.4	U	
Vanadium	mg/kg	39	**153**		A	**139**		A	**282**		A	**77.6**		A	**127**		A	**138**		A
Zinc	mg/kg	2300	33		#	216		#	49.2		#	12.9		#	41		#	40.4		#
Additional Parameters																				

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		Sample Code	PESB-05-C			PESB-05-D			PESB-06-A			PESB-06-B			PESB-06-C			PESB-06-D		
		Location	PESB-05			PESB-05			PESB-06			PESB-06			PESB-06			PESB-06		
		Sample Date	11/15/2007			11/15/2007			11/14/2007			11/14/2007			11/14/2007			11/14/2007		
		Depth	5 to 7 ft			60 to 62 ft			0 to 1 ft			5 to 7 ft			21 to 22 ft			62 to 64 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
% GRANULE & LARGER >2 MM	%	N/A																0		~
% VERY COURSE SAND >1 - 2 MM	%	N/A																1		~
% COARSE SAND >.5 - 1 MM	%	N/A																2		~
% MEDIUM SAND >.25 - .5 MM	%	N/A																3		~
% FINE SAND >.125 - .25 MM	%	N/A																4		~
% VERY FINE SAND >.0625 - .125 MM	%	N/A																3		~
% SILT	%	N/A																56		~
% CLAY & COLLOIDS	%	N/A																33		~
pH	s.u.	N/A																6		~
Total Organic Carbon	mg/Kg	N/A																140	J	~

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Comparison Flag

Pepsi - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	PESB-05-C			PESB-05-D			PESB-06-A			PESB-06-B			PESB-06-C			PESB-06-D		
		Location	PESB-05			PESB-05			PESB-06			PESB-06			PESB-06			PESB-06		
		Sample Date	11/15/2007			11/15/2007			11/14/2007			11/14/2007			11/14/2007			11/14/2007		
		Depth	5 to 7 ft			60 to 62 ft			0 to 1 ft			5 to 7 ft			21 to 22 ft			62 to 64 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

Pepsi - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
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		Sample Code	PESB-07-A			PESB-07-B			PESB-07-C			PESB-07-D			PESB-08-A			PESB-08-B		
		Location	PESB-07			PESB-07			PESB-07			PESB-07			PESB-08			PESB-08		
		Sample Date	11/14/2007			11/14/2007			11/14/2007			11/14/2007			11/14/2007			11/14/2007		
		Depth	0 to 1 ft			5 to 7 ft			21 to 23 ft			62 to 64 ft			0.2 to 1 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
Chloromethane	ug/Kg	980	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
Vinyl Chloride	ug/Kg	13.8	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
Bromomethane	ug/Kg	36	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
Chloroethane	ug/Kg	118000	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
Trichlorofluoromethane	ug/Kg	13800	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
1,1-Dichloroethene	ug/Kg	50	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
Acetone	ug/Kg	48000	13	U		14	U		13	U		14	U		13	U		14	U	
Carbon Disulfide	ug/Kg	4200	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
Methyl Acetate	ug/Kg	64000	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
Methylene Chloride	ug/Kg	26	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
trans-1,2-Dichloroethene	ug/Kg	580	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
Methyl tert-Butyl Ether	ug/Kg	56	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
1,1-Dichloroethane	ug/Kg	13.6	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
cis-1,2-Dichloroethene	ug/Kg	420	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
2-Butanone	ug/Kg	20000	13	U		14	U		13	U		14	U		13	U		14	U	
Chlorobromomethane	ug/Kg	420	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
Chloroform	ug/Kg	290	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
Cyclohexane	ug/Kg	117000	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
Carbon Tetrachloride	ug/Kg	38	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
Benzene	ug/Kg	52	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
1,2-Dichloroethane	ug/Kg	28	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
1,4-Dioxane	ug/Kg	2.8	130	R		140	R		130	R		140	R		130	R		140	R	
Trichloroethene	ug/Kg	36	6.4	UJ		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	

Pepsi - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	PESB-07-A			PESB-07-B			PESB-07-C			PESB-07-D			PESB-08-A			PESB-08-B		
		Location	PESB-07			PESB-07			PESB-07			PESB-07			PESB-08			PESB-08		
		Sample Date	11/14/2007			11/14/2007			11/14/2007			11/14/2007			11/14/2007			11/14/2007		
		Depth	0 to 1 ft			5 to 7 ft			21 to 23 ft			62 to 64 ft			0.2 to 1 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
1,2-Dichloropropane	ug/Kg	34	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
Bromodichloromethane	ug/Kg	270	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
cis-1,3-Dichloropropene	ug/Kg	3	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
4-Methyl-2-pentanone	ug/Kg	4600	13	U		14	U		13	U		14	U		13	U		14	U	
Toluene	ug/Kg	13800	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
trans-1,3-Dichloropropene	ug/Kg	3	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
1,1,2-Trichloroethane	ug/Kg	32	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
Tetrachloroethene	ug/Kg	46	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
2-Hexanone	ug/Kg	158	13	U		14	U		13	U		14	U		13	U		14	U	
Dibromochloromethane	ug/Kg	420	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
1,2-Dibromoethane	ug/Kg	0.28	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
Chlorobenzene	ug/Kg	1360	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
Ethylbenzene	ug/Kg	5400	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
o-Xylene	ug/Kg	3800	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
m,p-Xylene	ug/Kg	3600	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
Styrene	ug/Kg	2200	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
Bromoform	ug/Kg	420	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
Isopropylbenzene	ug/Kg	12800	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
1,4-Dichlorobenzene	ug/Kg	1440	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
1,2-Dichlorobenzene	ug/Kg	11600	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
1,2,3-Trichlorobenzene	ug/Kg	300	6.4	U		6.8	U		6.3	U		7.2	U		6.3	U		7.2	U	
Semi-Volatile Organic Compounds																				

Pepsi - Soil Sample Results Full Table
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		Sample Code	PESB-07-A			PESB-07-B			PESB-07-C			PESB-07-D			PESB-08-A			PESB-08-B		
		Location	PESB-07			PESB-07			PESB-07			PESB-07			PESB-08			PESB-08		
		Sample Date	11/14/2007			11/14/2007			11/14/2007			11/14/2007			11/14/2007			11/14/2007		
		Depth	0 to 1 ft			5 to 7 ft			21 to 23 ft			62 to 64 ft			0.2 to 1 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/Kg	6600	230	U		240	U		240	U		240	U		230	U		240	U	
Phenol	ug/Kg	52000	230	U		240	U		240	U		240	U		230	U		240	U	
bis(2-Chloroethyl) ether	ug/Kg	0.06	230	U		240	U		240	U		240	U		230	U		240	U	
2-Chlorophenol	ug/Kg	1140	230	U		240	U		240	U		240	U		230	U		240	U	
2-Methylphenol	ug/Kg	11600	230	U		240	U		240	U		240	U		230	U		240	U	
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	230	U		240	U		240	U		240	U		230	U		240	U	
Acetophenone	ug/Kg	9000	230	U		240	U		240	U		240	U		230	U		240	U	
4-Methylphenol	ug/Kg	22000	230	U		240	U		240	U		240	U		230	U		240	U	
n-Nitroso-di-n-propylamine	ug/Kg	0.14	230	U		240	U		240	U		240	U		230	U		240	U	
Hexachloroethane	ug/Kg	9.6	230	U		240	U		240	U		240	U		230	U		240	U	
Nitrobenzene	ug/Kg	1.58	230	U		240	U		240	U		240	U		230	U		240	U	
Isophorone	ug/Kg	440	230	U		240	U		240	U		240	U		230	U		240	U	
2-Nitrophenol	ug/Kg	N/A	230	U		240	U		240	U		240	U		230	U		240	U	
2,4-Dimethylphenol	ug/Kg	6400	230	U		240	U		240	U		240	U		230	U		240	U	
bis(2-Chloroethoxy)methane	ug/Kg	220	230	U		240	U		240	U		240	U		230	U		240	U	
2,4-Dichlorophenol	ug/Kg	820	230	U		240	U		240	U		240	U		230	U		240	U	
Naphthalene	ug/Kg	9.4	230	U		240	U		240	U		240	U		230	U		240	U	
4-Chloroaniline	ug/Kg	2.6	230	U		240	U		240	U		240	U		230	U		240	U	
Hexachlorobutadiene	ug/Kg	10	230	U		240	U		240	U		240	U		230	U		240	U	
Caprolactam	ug/Kg	38000	230	U		240	U		240	U		240	U		230	U		240	U	
4-Chloro-3-methylphenol	ug/Kg	26000	230	U		240	U		240	U		240	U		230	U		240	U	
2-Methylnaphthalene	ug/Kg	2800	230	U		240	U		240	U		240	U		230	U		240	U	
Hexachlorocyclopentadiene	ug/Kg	3200	230	U		240	U		240	U		240	U		230	U		240	U	
2,4,6-Trichlorophenol	ug/Kg	260	230	U		240	U		240	U		240	U		230	U		240	U	
2,4,5-Trichlorophenol	ug/Kg	66000	230	U		240	U		240	U		240	U		230	U		240	U	
1,1'-Biphenyl	ug/Kg	174	230	U		240	U		240	U		240	U		230	U		240	U	
2-Chloronaphthalene	ug/Kg	58000	230	U		240	U		240	U		240	U		230	U		240	U	
2-Nitroaniline	ug/Kg	1240	440	U		460	U		460	U		470	U		450	U		460	U	

Pepsi - Soil Sample Results Full Table
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		Sample Code	PESB-07-A			PESB-07-B			PESB-07-C			PESB-07-D			PESB-08-A			PESB-08-B		
		Location	PESB-07			PESB-07			PESB-07			PESB-07			PESB-08			PESB-08		
		Sample Date	11/14/2007			11/14/2007			11/14/2007			11/14/2007			11/14/2007			11/14/2007		
		Depth	0 to 1 ft			5 to 7 ft			21 to 23 ft			62 to 64 ft			0.2 to 1 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Dimethylphthalate	ug/Kg	N/A	230	U		240	U		240	U		240	U		230	U		240	U	
2,6-Dinitrotoluene	ug/Kg	400	230	U		240	U		240	U		240	U		230	U		240	U	
Acenaphthylene	ug/Kg	N/A	230	U		240	U		240	U		240	U		230	U		240	U	
3-Nitroaniline	ug/Kg	N/A	440	U		460	U		460	U		470	U		450	U		460	U	
Acenaphthene	ug/Kg	82000	230	U		240	U		240	U		240	U		230	U		240	U	
2,4-Dinitrophenol	ug/Kg	680	440	U		460	U		460	U		470	U		450	U		460	U	
4-Nitrophenol	ug/Kg	N/A	440	U		460	U		460	U		470	U		450	U		460	U	
Dibenzofuran	ug/Kg	N/A	230	U		240	U		240	U		240	U		230	U		240	U	
2,4-Dinitrotoluene	ug/Kg	5.6	230	U		240	U		240	U		240	U		230	U		240	U	
Diethylphthalate	ug/Kg	94000	230	U		240	U		240	U		240	U		230	U		240	U	
Fluorene	ug/Kg	80000	230	U		240	U		240	U		240	U		230	U		240	U	
4-Chlorophenyl-phenylether	ug/Kg	N/A	230	U		240	U		240	U		240	U		230	U		240	U	
4-Nitroaniline	ug/Kg	28	440	U		460	U		460	U		470	U		450	U		460	U	
4,6-Dinitro-2-methylphenol	ug/Kg	40	440	U		460	U		460	U		470	U		450	U		460	U	
n-Nitrosodiphenylamine	ug/Kg	1140	230	U		240	U		240	U		240	U		230	U		240	U	
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	230	U		240	U		240	U		240	U		230	U		240	U	
4-Bromophenyl-phenylether	ug/Kg	N/A	230	U		240	U		240	U		240	U		230	U		240	U	
Hexachlorobenzene	ug/Kg	260	230	U		240	U		240	U		240	U		230	U		240	U	
Atrazine	ug/Kg	38	230	U		240	U		240	U		240	U		230	U		240	U	
Pentachlorophenol	ug/Kg	200	440	U		460	U		460	U		470	U		450	U		460	U	
Phenanthrene	ug/Kg	N/A	230	U		240	U		240	U		240	U		230	U		240	U	
Anthracene	ug/Kg	840000	230	U		240	U		240	U		240	U		230	U		240	U	
Carbazole	ug/Kg	N/A	230	U		240	U		240	U		240	U		230	U		240	U	
Di-n-butylphthalate	ug/Kg	34000	230	U		240	U		240	U		240	U		230	U		240	U	
Fluoranthene	ug/Kg	230000	230	U		240	U		240	U		240	U		230	U		240	U	
Pyrene	ug/Kg	170000	230	U		240	U		240	U		240	U		230	U		240	U	
Butylbenzylphthalate	ug/Kg	4000	230	U		240	U		240	U		240	U		230	U		240	U	
3,3'-Dichlorobenzidine	ug/Kg	14.2	230	U		240	U		240	U		240	U		230	U		240	U	

Pepsi - Soil Sample Results Full Table
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		Sample Code	PESB-07-A			PESB-07-B			PESB-07-C			PESB-07-D			PESB-08-A			PESB-08-B		
		Location	PESB-07			PESB-07			PESB-07			PESB-07			PESB-08			PESB-08		
		Sample Date	11/14/2007			11/14/2007			11/14/2007			11/14/2007			11/14/2007			11/14/2007		
		Depth	0 to 1 ft			5 to 7 ft			21 to 23 ft			62 to 64 ft			0.2 to 1 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzo(a)anthracene	ug/Kg	150	230	U		240	U		240	U		240	U		230	U		240	U	
Chrysene	ug/Kg	15000	230	U		240	U		240	U		240	U		230	U		240	U	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	230	U		240	U		240	U		240	U		230	U		240	U	
Di-n-octylphthalate	ug/Kg	N/A	230	U		240	U		240	U		240	U		230	U		240	U	
Benzo(b)fluoranthene	ug/Kg	150	230	U		240	U		240	U		240	U		230	U		240	U	
Benzo(k)fluoranthene	ug/Kg	1500	230	U		240	U		240	U		240	U		230	U		240	U	
Benzo(a)pyrene	ug/Kg	15	230	U		240	U		240	U		240	U		230	U		240	U	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	230	U		240	U		240	U		240	U		230	U		240	U	
Dibenz(a,h)anthracene	ug/Kg	15	230	U		240	U		240	U		240	U		230	U		240	U	
Benzo(g,h,i)perylene	ug/Kg	N/A	230	U		240	U		240	U		240	U		230	U		240	U	
Chlorophenols	ug/Kg	22000	230	U		240	U		240	U		240	U		230	U		240	U	
PCBs																				
Aroclor-1016	ug/Kg	390	44	U		46	U		46	U		47	U		45	U		46	U	
Aroclor-1221	ug/Kg	1.48	44	U		46	U		46	U		47	U		45	U		46	U	
Aroclor-1232	ug/Kg	1.48	44	U		46	U		46	U		47	U		45	U		46	U	
Aroclor-1242	ug/Kg	106	44	U		46	U		46	U		47	U		45	U		46	U	
Aroclor-1248	ug/Kg	104	44	U		46	U		46	U		47	U		45	U		46	U	
Aroclor-1254	ug/Kg	110	44	U		46	U		46	U		47	U		45	U		46	U	
Aroclor-1260	ug/Kg	220	44	U		46	U		46	U		47	U		45	U		46	U	
Aroclor-1262	ug/Kg	220	44	U		46	U		46	U		47	U		45	U		46	U	
Aroclor-1268	ug/Kg	220	44	U		46	U		46	U		47	U		45	U		46	U	
Pesticides																				
alpha-BHC	ug/Kg	0.72	2.3	U		2.4	U		2.4	U		2.4	U		2.3	U		2.4	U	
beta-BHC	ug/Kg	2.6	2.3	U		2.4	U		2.4	U		2.4	U		2.3	U		2.4	U	
delta-BHC	ug/Kg	N/A	2.3	U		2.4	U		2.4	U		2.4	U		2.3	U		2.4	U	
gamma-BHC (Lindane)	ug/Kg	24	2.3	U		2.4	U		2.4	U		2.4	U		2.3	U		2.4	U	

Pepsi - Soil Sample Results Full Table
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		Sample Code	PESB-07-A			PESB-07-B			PESB-07-C			PESB-07-D			PESB-08-A			PESB-08-B		
		Location	PESB-07			PESB-07			PESB-07			PESB-07			PESB-08			PESB-08		
		Sample Date	11/14/2007			11/14/2007			11/14/2007			11/14/2007			11/14/2007			11/14/2007		
		Depth	0 to 1 ft			5 to 7 ft			21 to 23 ft			62 to 64 ft			0.2 to 1 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Heptachlor	ug/Kg	110	2.3	U		2.4	U		2.4	U		2.4	U		2.3	U		2.4	U	
Aldrin	ug/Kg	0.68	2.3	U		2.4	U		2.4	U		2.4	U		2.3	U		2.4	U	
Heptachlor epoxide	ug/Kg	53	2.3	U		2.4	U		2.4	U		2.4	U		2.3	U		2.4	U	
Endosulfan I	ug/Kg	22000	2.3	U		2.4	U		2.4	U		2.4	U		2.3	U		2.4	U	
Dieldrin	ug/Kg	1.22	4.4	U		4.6	U		4.6	U		4.7	U		4.5	U		4.6	U	
4,4'-DDE	ug/Kg	920	4.4	U		4.6	U		4.6	U		4.7	U		4.5	U		4.6	U	
Endrin	ug/Kg	1620	4.4	U		4.6	U		4.6	U		4.7	U		4.5	U		4.6	U	
Endosulfan II	ug/Kg	22000	4.4	U		4.6	U		4.6	U		4.7	U		4.5	U		4.6	U	
4,4'-DDD	ug/Kg	1320	4.4	U		4.6	U		4.6	U		4.7	U		4.5	U		4.6	U	
Endosulfan sulfate	ug/Kg	22000	4.4	U		4.6	U		4.6	U		4.7	U		4.5	U		4.6	U	
4,4'-DDT	ug/Kg	1340	4.4	U		4.6	U		4.6	U		4.7	U		4.5	U		4.6	U	
Methoxychlor	ug/Kg	31000	23	U		24	U		24	U		24	U		23	U		24	U	
Endrin ketone	ug/Kg	1620	4.4	U		4.6	U		4.6	U		4.7	U		4.5	U		4.6	U	
Endrin aldehyde	ug/Kg	1620	4.4	U		4.6	U		4.6	U		4.7	U		4.5	U		4.6	U	
alpha-Chlordane	ug/Kg	1600	2.3	U		2.4	U		2.4	U		2.4	U		2.3	U		2.4	U	
gamma-Chlordane	ug/Kg	1600	2.3	U		2.4	U		2.4	U		2.4	U		2.3	U		2.4	U	
Toxaphene	ug/Kg	440	230	U		240	U		240	U		240	U		230	U		240	U	
Aroclors																				
Aroclor-1016	ug/L																			
Aroclor-1221	ug/L																			
Aroclor-1232	ug/L																			
Aroclor-1242	ug/L																			
Aroclor-1248	ug/L																			
Aroclor-1254	ug/L																			
Aroclor-1260	ug/L																			
Aroclor-1262	ug/L																			
Aroclor-1268	ug/L																			

Pepsi - Soil Sample Results Full Table
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		Sample Code	PESB-07-A			PESB-07-B			PESB-07-C			PESB-07-D			PESB-08-A			PESB-08-B		
		Location	PESB-07			PESB-07			PESB-07			PESB-07			PESB-08			PESB-08		
		Sample Date	11/14/2007			11/14/2007			11/14/2007			11/14/2007			11/14/2007			11/14/2007		
		Depth	0 to 1 ft			5 to 7 ft			21 to 23 ft			62 to 64 ft			0.2 to 1 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Inorganic Analytes																				
Aluminum	mg/kg	7700	5870		#	3470		#	3360		#	**11300**		A	6200		#	**8870**		A
Antimony	mg/kg	3.1	2.1	UJ		2.1	UJ		2.4	UJ		2.1	UJ		2	UJ		2.2	UJ	
Arsenic	mg/kg	0.39	**2.5**		A	1.4	U		1.6	U		1.4	U		1.4	U		1.5	U	
Barium	mg/kg	1500	13.1	J	#	3	J	#	848		#	601		#	22.3	J	#	37.2		#
Beryllium	mg/kg	16	0.69	U		0.69	U		0.79	U		1.4		#	0.68	U		0.72	U	
Cadmium	mg/kg	7	0.69	U		0.69	U		0.79	U		0.7	U		0.68	U		0.72	U	
Calcium	mg/kg	N/A	4300		~	71.3	J	~	54	J	~	928		~	1430		~	399	J	~
Chromium	mg/kg	0.29	**20.5**		A	**17.9**		A	**15**		A	**14.8**		A	**26.7**		A	**26.4**		A
Cobalt	mg/kg	2.3	**3.7**	J	A	0.74	J	#	**188**		A	**316**		A	1.7	J	#	**6.1**	J	A
Copper	mg/kg	310	68.1		#	65		#	145		#	**408**		A	66.4		#	102		#
Cyanide	mg/kg	4.7	0.14	J	#	3.5	U		4	U		0.16	J	#	3.4	U		0.32	J	#
Iron	mg/kg	5400	**58800**		A	**52100**		A	**43600**		A	**40200**		A	**43100**		A	**62400**		A
Lead	mg/kg	280	1.4	UJ		1.4	UJ		1.6	UJ		1.4	UJ		1.4	UJ		1.4	UJ	
Magnesium	mg/kg	N/A	480	J	~	57.6	J	~	114	J	~	6870		~	768		~	1270		~
Manganese	mg/kg	21	**952**		A	**713**		A	**4440**		A	**4310**		A	**80.4**		A	**187**		A
Mercury	mg/kg	2	0.069	J	#	0.14	U		0.15	U		0.05	J	#	0.095	J	#	0.15	U	
Nickel	mg/kg	150	4.6	J	#	3.9	J	#	8.8		#	32.5		#	2.7	J	#	5.3	J	#
Potassium	mg/kg	N/A	86.4	J	~	69.3	J	~	168	J	~	220	J	~	103	J	~	167	J	~
Selenium	mg/kg	5.2	4.8	U		4.9	U		5.6	U		4.9	U		4.8	U		5	U	
Silver	mg/kg	12	4.4	J	#	3.9	J	#	3.5	J	#	3.6	J	#	3.3	J	#	4.6	J	#
Sodium	mg/kg	N/A	157	J	~	46.9	J	~	91.7	J	~	239	J	~	228	J	~	192	J	~
Thallium	mg/kg	0.08	0.34	U		0.35	U		0.4	U		0.35	U		0.4	UJ		0.36	UJ	
Vanadium	mg/kg	39	**151**		A	**129**		A	**107**		A	**114**		A	**121**		A	**165**		A
Zinc	mg/kg	2300	23.6		#	15		#	20.5		#	244		#	14.8		#	27.4		#
Additional Parameters																				

Pepsi - Soil Sample Results Full Table
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		Sample Code	PESB-07-A			PESB-07-B			PESB-07-C			PESB-07-D			PESB-08-A			PESB-08-B		
		Location	PESB-07			PESB-07			PESB-07			PESB-07			PESB-08			PESB-08		
		Sample Date	11/14/2007			11/14/2007			11/14/2007			11/14/2007			11/14/2007			11/14/2007		
		Depth	0 to 1 ft			5 to 7 ft			21 to 23 ft			62 to 64 ft			0.2 to 1 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
% GRANULE & LARGER >2 MM	%	N/A							0		~							0		~
% VERY COURSE SAND >1 - 2 MM	%	N/A							1		~							1		~
% COARSE SAND >.5 - 1 MM	%	N/A							2		~							2		~
% MEDIUM SAND >.25 - .5 MM	%	N/A							2		~							3		~
% FINE SAND >.125 - .25 MM	%	N/A							3		~							4		~
% VERY FINE SAND >.0625 - .125 MM	%	N/A							3		~							3		~
% SILT	%	N/A							75		~							48		~
% CLAY & COLLOIDS	%	N/A							14		~							39		~
pH	s.u.	N/A							5		~							6		~
Total Organic Carbon	mg/Kg	N/A							700	J	~							1500		~

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Comparison Flag

Pepsi - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
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		Sample Code	PESB-07-A			PESB-07-B			PESB-07-C			PESB-07-D			PESB-08-A			PESB-08-B		
		Location	PESB-07			PESB-07			PESB-07			PESB-07			PESB-08			PESB-08		
		Sample Date	11/14/2007			11/14/2007			11/14/2007			11/14/2007			11/14/2007			11/14/2007		
		Depth	0 to 1 ft			5 to 7 ft			21 to 23 ft			62 to 64 ft			0.2 to 1 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

Pepsi - Soil Sample Results Full Table
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Cidra, Puerto Rico

		Sample Code	PESB-08-C			PESB-08-D			PESB-09-A			PESB-09-B			PESB-09-C			PESB-09-D	
		Location	PESB-08			PESB-08			PESB-09			PESB-09			PESB-09			PESB-09	
		Sample Date	11/14/2007			11/14/2007			11/13/2007			11/13/2007			11/13/2007			11/13/2007	
		Depth	9 to 11 ft			51.5 to 53.5 ft			2 to 1 ft			9 to 11 ft			41 to 43 ft			62 to 64 ft	
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q
Volatile Organic Compounds																			
Dichlorodifluoromethane	ug/Kg	6000	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
Chloromethane	ug/Kg	980	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
Vinyl Chloride	ug/Kg	13.8	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
Bromomethane	ug/Kg	36	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
Chloroethane	ug/Kg	118000	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
Trichlorofluoromethane	ug/Kg	13800	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
1,1-Dichloroethene	ug/Kg	50	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
Acetone	ug/Kg	48000	14	U		12	U		14	U		12	U		13	U		12	U
Carbon Disulfide	ug/Kg	4200	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
Methyl Acetate	ug/Kg	64000	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
Methylene Chloride	ug/Kg	26	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
trans-1,2-Dichloroethene	ug/Kg	580	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
Methyl tert-Butyl Ether	ug/Kg	56	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
1,1-Dichloroethane	ug/Kg	13.6	7	U		5.9	U		6.9	U		6.2	UJ		6.5	U		6.2	U
cis-1,2-Dichloroethene	ug/Kg	420	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
2-Butanone	ug/Kg	20000	14	U		12	U		14	U		12	U		13	U		12	U
Chlorobromomethane	ug/Kg	420	7	U		5.9	U		6.9	U		6.2	UJ		6.5	U		6.2	U
Chloroform	ug/Kg	290	7	U		5.9	U		6.9	U		6.2	UJ		6.5	U		6.2	U
1,1,1-Trichloroethane	ug/Kg	1400	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
Cyclohexane	ug/Kg	117000	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
Carbon Tetrachloride	ug/Kg	38	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
Benzene	ug/Kg	52	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
1,2-Dichloroethane	ug/Kg	28	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
1,4-Dioxane	ug/Kg	2.8	140	R		120	R		140	R		120	R		130	R		120	R
Trichloroethene	ug/Kg	36	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U

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		Sample Code	PESB-08-C			PESB-08-D			PESB-09-A			PESB-09-B			PESB-09-C			PESB-09-D	
		Location	PESB-08			PESB-08			PESB-09			PESB-09			PESB-09			PESB-09	
		Sample Date	11/14/2007			11/14/2007			11/13/2007			11/13/2007			11/13/2007			11/13/2007	
		Depth	9 to 11 ft			51.5 to 53.5 ft			2 to 1 ft			9 to 11 ft			41 to 43 ft			62 to 64 ft	
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q
Metylcyclohexane	ug/Kg	N/A	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
1,2-Dichloropropane	ug/Kg	34	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
Bromodichloromethane	ug/Kg	270	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
cis-1,3-Dichloropropene	ug/Kg	3	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
4-Methyl-2-pentanone	ug/Kg	4600	14	U		12	U		14	U		12	U		13	U		12	U
Toluene	ug/Kg	13800	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
trans-1,3-Dichloropropene	ug/Kg	3	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
1,1,2-Trichloroethane	ug/Kg	32	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
Tetrachloroethene	ug/Kg	46	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
2-Hexanone	ug/Kg	158	14	U		12	U		14	U		12	U		13	U		12	U
Dibromochloromethane	ug/Kg	420	7	U		5.9	U		6.9	U		6.2	UJ		6.5	U		6.2	U
1,2-Dibromoethane	ug/Kg	0.28	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
Chlorobenzene	ug/Kg	1360	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
Ethylbenzene	ug/Kg	5400	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
o-Xylene	ug/Kg	3800	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
m,p-Xylene	ug/Kg	3600	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
Styrene	ug/Kg	2200	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
Bromoform	ug/Kg	420	7	U		5.9	U		6.9	U		6.2	UJ		6.5	U		6.2	U
Isopropylbenzene	ug/Kg	12800	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
1,3-Dichlorobenzene	ug/Kg	N/A	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
1,4-Dichlorobenzene	ug/Kg	1440	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
1,2-Dichlorobenzene	ug/Kg	11600	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
1,2,4-Trichlorobenzene	ug/Kg	4000	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
1,2,3-Trichlorobenzene	ug/Kg	300	7	U		5.9	U		6.9	U		6.2	U		6.5	U		6.2	U
Semi-Volatile Organic Compounds																			

Pepsi - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	PESB-08-C			PESB-08-D			PESB-09-A			PESB-09-B			PESB-09-C			PESB-09-D	
		Location	PESB-08			PESB-08			PESB-09			PESB-09			PESB-09			PESB-09	
		Sample Date	11/14/2007			11/14/2007			11/13/2007			11/13/2007			11/13/2007			11/13/2007	
		Depth	9 to 11 ft			51.5 to 53.5 ft			2 to 1 ft			9 to 11 ft			41 to 43 ft			62 to 64 ft	
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q
Benzaldehyde	ug/Kg	6600	250	U		210	U		230	U		250	U		250	U		240	U
Phenol	ug/Kg	52000	250	U		210	U		230	U		250	U		250	U		240	U
bis(2-Chloroethyl) ether	ug/Kg	0.06	250	U		210	U		230	U		250	U		250	U		240	U
2-Chlorophenol	ug/Kg	1140	250	U		210	U		230	U		250	U		250	U		240	U
2-Methylphenol	ug/Kg	11600	250	U		210	U		230	U		250	U		250	U		240	U
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	250	U		210	U		230	U		250	U		250	U		240	U
Acetophenone	ug/Kg	9000	250	U		210	U		230	U		250	U		250	U		240	U
4-Methylphenol	ug/Kg	22000	250	U		210	U		230	U		250	U		250	U		240	U
n-Nitroso-di-n-propylamine	ug/Kg	0.14	250	U		210	U		230	U		250	U		250	U		240	U
Hexachloroethane	ug/Kg	9.6	250	U		210	U		230	U		250	U		250	U		240	U
Nitrobenzene	ug/Kg	1.58	250	U		210	U		230	U		250	U		250	U		240	U
Isophorone	ug/Kg	440	250	U		210	U		230	U		250	U		250	U		240	U
2-Nitrophenol	ug/Kg	N/A	250	U		210	U		230	U		250	U		250	U		240	U
2,4-Dimethylphenol	ug/Kg	6400	250	U		210	U		230	U		250	U		250	U		240	U
bis(2-Chloroethoxy)methane	ug/Kg	220	250	U		210	U		230	U		250	U		250	U		240	U
2,4-Dichlorophenol	ug/Kg	820	250	U		210	U		230	U		250	U		250	U		240	U
Naphthalene	ug/Kg	9.4	250	U		210	U		230	U		250	U		250	U		240	U
4-Chloroaniline	ug/Kg	2.6	250	U		210	U		230	U		250	U		250	U		240	U
Hexachlorobutadiene	ug/Kg	10	250	U		210	U		230	U		250	U		250	U		240	U
Caprolactam	ug/Kg	38000	250	U		210	U		230	U		250	U		250	U		240	U
4-Chloro-3-methylphenol	ug/Kg	26000	250	U		210	U		230	U		250	U		250	U		240	U
2-Methylnaphthalene	ug/Kg	2800	250	U		210	U		230	U		250	U		250	U		240	U
Hexachlorocyclopentadiene	ug/Kg	3200	250	U		210	U		230	U		250	U		250	U		240	U
2,4,6-Trichlorophenol	ug/Kg	260	250	U		210	U		230	U		250	U		250	U		240	U
2,4,5-Trichlorophenol	ug/Kg	66000	250	U		210	U		230	U		250	U		250	U		240	U
1,1'-Biphenyl	ug/Kg	174	250	U		210	U		230	U		250	U		250	U		240	U
2-Chloronaphthalene	ug/Kg	58000	250	U		210	U		230	U		250	U		250	U		240	U
2-Nitroaniline	ug/Kg	1240	480	U		410	U		450	U		480	U		490	U		460	U

Pepsi - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
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		Sample Code	PESB-08-C			PESB-08-D			PESB-09-A			PESB-09-B			PESB-09-C			PESB-09-D	
		Location	PESB-08			PESB-08			PESB-09			PESB-09			PESB-09			PESB-09	
		Sample Date	11/14/2007			11/14/2007			11/13/2007			11/13/2007			11/13/2007			11/13/2007	
		Depth	9 to 11 ft			51.5 to 53.5 ft			2 to 1 ft			9 to 11 ft			41 to 43 ft			62 to 64 ft	
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q
Dimethylphthalate	ug/Kg	N/A	250	U		210	U		230	U		250	U		250	U		240	U
2,6-Dinitrotoluene	ug/Kg	400	250	U		210	U		230	U		250	U		250	U		240	U
Acenaphthylene	ug/Kg	N/A	250	U		210	U		230	U		250	U		250	U		240	U
3-Nitroaniline	ug/Kg	N/A	480	U		410	U		450	U		480	U		490	U		460	U
Acenaphthene	ug/Kg	82000	250	U		210	U		230	U		250	U		250	U		240	U
2,4-Dinitrophenol	ug/Kg	680	480	U		410	U		450	U		480	U		490	U		460	U
4-Nitrophenol	ug/Kg	N/A	480	U		410	U		450	U		480	U		490	U		460	U
Dibenzofuran	ug/Kg	N/A	250	U		210	U		230	U		250	U		250	U		240	U
2,4-Dinitrotoluene	ug/Kg	5.6	250	U		210	U		230	U		250	U		250	U		240	U
Diethylphthalate	ug/Kg	94000	250	U		210	U		230	U		250	U		250	U		240	U
Fluorene	ug/Kg	80000	250	U		210	U		230	U		250	U		250	U		240	U
4-Chlorophenyl-phenylether	ug/Kg	N/A	250	U		210	U		230	U		250	U		250	U		240	U
4-Nitroaniline	ug/Kg	28	480	U		410	U		450	U		480	U		490	U		460	U
4,6-Dinitro-2-methylphenol	ug/Kg	40	480	U		410	U		450	U		480	U		490	U		460	U
n-Nitrosodiphenylamine	ug/Kg	1140	250	U		210	U		230	U		250	U		250	U		240	U
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	250	U		210	U		230	U		250	U		250	U		240	U
4-Bromophenyl-phenylether	ug/Kg	N/A	250	U		210	U		230	U		250	U		250	U		240	U
Hexachlorobenzene	ug/Kg	260	250	U		210	U		230	U		250	U		250	U		240	U
Atrazine	ug/Kg	38	250	U		210	U		230	U		250	U		250	U		240	U
Pentachlorophenol	ug/Kg	200	480	U		410	U		450	U		480	U		490	U		460	U
Phenanthrene	ug/Kg	N/A	250	U		210	U		230	U		250	U		250	U		240	U
Anthracene	ug/Kg	840000	250	U		210	U		230	U		250	U		250	U		240	U
Carbazole	ug/Kg	N/A	250	U		210	U		230	U		250	U		250	U		240	U
Di-n-butylphthalate	ug/Kg	34000	250	U		210	U		230	U		250	U		250	U		240	U
Fluoranthene	ug/Kg	230000	250	U		210	U		230	U		250	U		250	U		240	U
Pyrene	ug/Kg	170000	250	U		210	U		230	U		250	U		250	U		240	U
Butylbenzylphthalate	ug/Kg	4000	250	U		210	U		230	U		250	U		250	U		240	U
3,3'-Dichlorobenzidine	ug/Kg	14.2	250	U		210	U		230	U		250	U		250	U		240	U

Pepsi - Soil Sample Results Full Table
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		Sample Code	PESB-08-C			PESB-08-D			PESB-09-A			PESB-09-B			PESB-09-C			PESB-09-D	
		Location	PESB-08			PESB-08			PESB-09			PESB-09			PESB-09			PESB-09	
		Sample Date	11/14/2007			11/14/2007			11/13/2007			11/13/2007			11/13/2007			11/13/2007	
		Depth	9 to 11 ft			51.5 to 53.5 ft			2 to 1 ft			9 to 11 ft			41 to 43 ft			62 to 64 ft	
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q
Benzo(a)anthracene	ug/Kg	150	250	U		210	U		230	U		250	U		250	U		240	U
Chrysene	ug/Kg	15000	250	U		210	U		230	U		250	U		250	U		240	U
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	250	U		210	U		230	U		250	U		250	U		240	U
Di-n-octylphthalate	ug/Kg	N/A	250	U		210	U		230	U		250	U		250	U		240	U
Benzo(b)fluoranthene	ug/Kg	150	250	U		210	U		230	U		250	U		250	U		240	U
Benzo(k)fluoranthene	ug/Kg	1500	250	U		210	U		230	U		250	U		250	U		240	U
Benzo(a)pyrene	ug/Kg	15	250	U		210	U		230	U		250	U		250	U		240	U
Indeno(1,2,3-cd)pyrene	ug/Kg	150	250	U		210	U		230	U		250	U		250	U		240	U
Dibenz(a,h)anthracene	ug/Kg	15	250	U		210	U		230	U		250	U		250	U		240	U
Benzo(g,h,i)perylene	ug/Kg	N/A	250	U		210	U		230	U		250	U		250	U		240	U
Chlorophenols	ug/Kg	22000	250	U		210	U		230	U		250	U		250	U		240	U
PCBs																			
Aroclor-1016	ug/Kg	390	48	U		41	U		45	U		47	U		49	U		46	U
Aroclor-1221	ug/Kg	1.48	48	U		41	U		45	U		47	U		49	U		46	U
Aroclor-1232	ug/Kg	1.48	48	U		41	U		45	U		47	U		49	U		46	U
Aroclor-1242	ug/Kg	106	48	U		41	U		45	U		47	U		49	U		46	U
Aroclor-1248	ug/Kg	104	48	U		41	U		45	U		47	U		49	U		46	U
Aroclor-1254	ug/Kg	110	48	U		41	U		45	U		47	U		49	U		46	U
Aroclor-1260	ug/Kg	220	48	U		41	U		45	U		47	U		49	U		46	U
Aroclor-1262	ug/Kg	220	48	U		41	U		45	U		47	U		49	U		46	U
Aroclor-1268	ug/Kg	220	48	U		41	U		45	U		47	U		49	U		46	U
Pesticides																			
alpha-BHC	ug/Kg	0.72	2.5	U		2.1	U		2.3	U		2.5	U		2.5	U		2.4	U
beta-BHC	ug/Kg	2.6	2.5	U		2.1	U		2.3	U		2.5	U		2.5	U		2.4	U
delta-BHC	ug/Kg	N/A	2.5	U		2.1	U		2.3	U		2.5	U		2.5	U		2.4	U
gamma-BHC (Lindane)	ug/Kg	24	2.5	U		2.1	U		2.3	U		2.5	U		2.5	U		2.4	U

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		Sample Code	PESB-08-C			PESB-08-D			PESB-09-A			PESB-09-B			PESB-09-C			PESB-09-D	
		Location	PESB-08			PESB-08			PESB-09			PESB-09			PESB-09			PESB-09	
		Sample Date	11/14/2007			11/14/2007			11/13/2007			11/13/2007			11/13/2007			11/13/2007	
		Depth	9 to 11 ft			51.5 to 53.5 ft			2 to 1 ft			9 to 11 ft			41 to 43 ft			62 to 64 ft	
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q
Heptachlor	ug/Kg	110	2.5	U		2.1	U		2.3	U		2.5	U		2.5	U		2.4	U
Aldrin	ug/Kg	0.68	2.5	U		2.1	U		2.3	U		2.5	U		2.5	U		2.4	U
Heptachlor epoxide	ug/Kg	53	2.5	U		2.1	U		2.3	U		2.5	U		2.5	U		2.4	U
Endosulfan I	ug/Kg	22000	2.5	U		2.1	U		2.3	U		2.5	U		2.5	U		2.4	U
Dieldrin	ug/Kg	1.22	4.8	U		4.1	U		4.5	U		4.8	U		4.9	U		4.6	U
4,4'-DDE	ug/Kg	920	4.8	U		4.1	U		4.5	U		4.8	U		4.9	U		4.6	U
Endrin	ug/Kg	1620	4.8	U		4.1	U		4.5	U		4.8	U		4.9	U		4.6	U
Endosulfan II	ug/Kg	22000	4.8	U		4.1	U		4.5	U		4.8	U		4.9	U		4.6	U
4,4'-DDD	ug/Kg	1320	4.8	U		4.1	U		4.5	U		4.8	U		4.9	U		4.6	U
Endosulfan sulfate	ug/Kg	22000	4.8	U		4.1	U		4.5	U		4.8	U		4.9	U		4.6	U
4,4'-DDT	ug/Kg	1340	4.8	U		4.1	U		4.5	U		4.8	U		4.9	U		4.6	U
Methoxychlor	ug/Kg	31000	25	U		21	U		23	U		25	U		25	U		24	U
Endrin ketone	ug/Kg	1620	4.8	U		4.1	U		4.5	U		4.8	U		4.9	U		4.6	U
Endrin aldehyde	ug/Kg	1620	4.8	U		4.1	U		4.5	U		4.8	U		4.9	U		4.6	U
alpha-Chlordane	ug/Kg	1600	2.5	U		2.1	U		2.3	U		2.5	U		2.5	U		2.4	U
gamma-Chlordane	ug/Kg	1600	2.5	U		2.1	U		2.3	U		2.5	U		2.5	U		2.4	U
Toxaphene	ug/Kg	440	250	U		210	U		230	U		250	U		250	U		240	U
Aroclors																			
Aroclor-1016	ug/L																		
Aroclor-1221	ug/L																		
Aroclor-1232	ug/L																		
Aroclor-1242	ug/L																		
Aroclor-1248	ug/L																		
Aroclor-1254	ug/L																		
Aroclor-1260	ug/L																		
Aroclor-1262	ug/L																		
Aroclor-1268	ug/L																		

Pepsi - Soil Sample Results Full Table
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		Sample Code	PESB-08-C			PESB-08-D			PESB-09-A			PESB-09-B			PESB-09-C			PESB-09-D	
		Location	PESB-08			PESB-08			PESB-09			PESB-09			PESB-09			PESB-09	
		Sample Date	11/14/2007			11/14/2007			11/13/2007			11/13/2007			11/13/2007			11/13/2007	
		Depth	9 to 11 ft			51.5 to 53.5 ft			2 to 1 ft			9 to 11 ft			41 to 43 ft			62 to 64 ft	
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q
Inorganic Analytes																			
Aluminum	mg/kg	7700	4590		#	**12900**		A	5840		#	6610		#	**14200**		A	**16200**	
Antimony	mg/kg	3.1	2.1	UJ		1.8	UJ		2.1	U		2.2	U		2.2	U		2.1	U
Arsenic	mg/kg	0.39	1.4	U		**1.4**		A	**10.5**		A	**5.2**		A	**1.8**		A	1.4	U
Barium	mg/kg	1500	170		#	325		#	28.1	U		405		#	316		#	428	
Beryllium	mg/kg	16	0.7	U		0.61	U		0.7	U		0.72	U		0.74	U		1	
Cadmium	mg/kg	7	0.7	U		0.26	J	#	0.7	U		0.72	U		0.74	U		0.7	U
Calcium	mg/kg	N/A	118	J	~	681		~	703	U		720	U		739	U		1180	
Chromium	mg/kg	0.29	**31.2**		A	**26.3**		A	**23.9**		A	**41.9**		A	**43.7**		A	**22**	
Cobalt	mg/kg	2.3	**10.2**		A	**32.1**		A	0.79	J	#	**60.7**		A	**64**		A	**53.9**	
Copper	mg/kg	310	134		#	108		#	62.6		#	83.9		#	214		#	79.1	
Cyanide	mg/kg	4.7	3.5	U		3	U		3.5	U		3.6	U		3.7	U		3.5	U
Iron	mg/kg	5400	**52200**		A	**41200**		A	**57800**		A	**68800**		A	**48400**		A	**36900**	
Lead	mg/kg	280	1.4	UJ		1.2	UJ		1.4	UJ		1.4	UJ		1.4	UJ		1.4	UJ
Magnesium	mg/kg	N/A	1360		~	13800		~	703	U		720	U		6340		~	13200	
Manganese	mg/kg	21	**806**		A	**1030**		A	**479**		A	**2820**		A	**1700**		A	**1510**	
Mercury	mg/kg	2	0.13	U		0.12	U		0.14	U		0.14	U		0.13	U		0.13	U
Nickel	mg/kg	150	8.5		#	44.3		#	5.6	U		11.8		#	35.4		#	37.1	
Potassium	mg/kg	N/A	129	J	~	523	J	~	703	U		720	U		739	U		702	U
Selenium	mg/kg	5.2	4.9	U		4.2	U		4.9	U		5	U		5.1	U		4.9	U
Silver	mg/kg	12	4.1	J	#	3.1	J	#	3.7	J	#	4.6	J	#	3.5	J	#	2.4	J
Sodium	mg/kg	N/A	118	J	~	300	J	~	703	U		720	U		739	U		702	U
Thallium	mg/kg	0.08	0.35	UJ		0.3	U		0.35	U		0.36	U		0.37	U		0.35	U
Vanadium	mg/kg	39	**164**		A	**133**		A	**122**		A	**146**		A	**106**		A	**71.9**	
Zinc	mg/kg	2300	33.2		#	133		#	13.6		#	21.4		#	166		#	239	
Additional Parameters																			

Pepsi - Soil Sample Results Full Table
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		Sample Code	PESB-08-C			PESB-08-D			PESB-09-A			PESB-09-B			PESB-09-C			PESB-09-D	
		Location	PESB-08			PESB-08			PESB-09			PESB-09			PESB-09			PESB-09	
		Sample Date	11/14/2007			11/14/2007			11/13/2007			11/13/2007			11/13/2007			11/13/2007	
		Depth	9 to 11 ft			51.5 to 53.5 ft			2 to 1 ft			9 to 11 ft			41 to 43 ft			62 to 64 ft	
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q
% GRANULE & LARGER >2 MM	%	N/A										0		~					
% VERY COURSE SAND >1 - 2 MM	%	N/A										0		~					
% COARSE SAND >.5 - 1 MM	%	N/A										1		~					
% MEDIUM SAND >.25 - .5 MM	%	N/A										2		~					
% FINE SAND >.125 - .25 MM	%	N/A										3		~					
% VERY FINE SAND >.0625 - .125 MM	%	N/A										3		~					
% SILT	%	N/A										76		~					
% CLAY & COLLOIDS	%	N/A										16		~					
pH	s.u.	N/A										6		~					
Total Organic Carbon	mg/Kg	N/A										410	J	~					

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Comparison

Flag

Pepsi - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	PESB-08-C			PESB-08-D			PESB-09-A			PESB-09-B			PESB-09-C			PESB-09-D	
		Location	PESB-08			PESB-08			PESB-09			PESB-09			PESB-09			PESB-09	
		Sample Date	11/14/2007			11/14/2007			11/13/2007			11/13/2007			11/13/2007			11/13/2007	
		Depth	9 to 11 ft			51.5 to 53.5 ft			2 to 1 ft			9 to 11 ft			41 to 43 ft			62 to 64 ft	
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

Pepsi - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code		PESB-10-A			PESB-10-B			PESB-10-C			PESB-10-D		
		Location		PESB-10			PESB-10			PESB-10			PESB-10		
		Sample Date		11/13/2007			11/13/2007			11/13/2007			11/13/2007		
		Depth		0 to 1 ft			5 to 7 ft			21 to 23 ft			39 to 40 ft		
Chemical Name	Unit	SC	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds															
Dichlorodifluoromethane	ug/Kg	6000		6.6	U		7.1	U		6.5	U		6.2	U	
Chloromethane	ug/Kg	980		6.6	U		7.1	U		6.5	U		6.2	U	
Vinyl Chloride	ug/Kg	13.8		6.6	U		7.1	U		6.5	U		6.2	U	
Bromomethane	ug/Kg	36		6.6	U		7.1	U		6.5	U		6.2	U	
Chloroethane	ug/Kg	118000		6.6	U		7.1	U		6.5	U		6.2	U	
Trichlorofluoromethane	ug/Kg	13800		6.6	U		7.1	U		6.5	U		6.2	U	
1,1-Dichloroethene	ug/Kg	50		6.6	U		7.1	U		6.5	U		6.2	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1		6.6	U		7.1	U		6.5	U		6.2	U	
Acetone	ug/Kg	48000		13	U		14	U		13	U		12	U	
Carbon Disulfide	ug/Kg	4200		6.6	U		7.1	U		6.5	U		6.2	U	
Methyl Acetate	ug/Kg	64000		6.6	U		7.1	U		6.5	U		6.2	U	
Methylene Chloride	ug/Kg	26		6.6	U		7.1	U		6.5	U		6.2	U	
trans-1,2-Dichloroethene	ug/Kg	580		6.6	U		7.1	U		6.5	U		6.2	U	
Methyl tert-Butyl Ether	ug/Kg	56		6.6	U		7.1	U		6.5	U		6.2	U	
1,1-Dichloroethane	ug/Kg	13.6		6.6	U		7.1	UJ		6.5	U		6.2	U	
cis-1,2-Dichloroethene	ug/Kg	420		6.6	U		7.1	U		6.5	U		6.2	U	
2-Butanone	ug/Kg	20000		13	U		14	U		13	U		12	U	
Chlorobromomethane	ug/Kg	420		6.6	U		7.1	UJ		6.5	U		6.2	U	
Chloroform	ug/Kg	290		6.6	U		7.1	UJ		6.5	U		6.2	U	
1,1,1-Trichloroethane	ug/Kg	1400		6.6	U		7.1	U		6.5	U		6.2	U	
Cyclohexane	ug/Kg	117000		6.6	U		7.1	U		6.5	U		6.2	U	
Carbon Tetrachloride	ug/Kg	38		6.6	U		7.1	U		6.5	U		6.2	U	
Benzene	ug/Kg	52		6.6	U		7.1	U		6.5	U		6.2	U	
1,2-Dichloroethane	ug/Kg	28		6.6	U		7.1	U		6.5	U		6.2	U	
1,4-Dioxane	ug/Kg	2.8		130	R		140	R		130	R		120	R	
Trichloroethene	ug/Kg	36		6.6	U		7.1	U		6.5	U		6.2	U	

Pepsi - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code		PESB-10-A			PESB-10-B			PESB-10-C			PESB-10-D		
		Location		PESB-10			PESB-10			PESB-10			PESB-10		
		Sample Date		11/13/2007			11/13/2007			11/13/2007			11/13/2007		
		Depth		0 to 1 ft			5 to 7 ft			21 to 23 ft			39 to 40 ft		
Chemical Name	Unit	SC	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A		6.6	U		7.1	U		6.5	U		6.2	U	
1,2-Dichloropropane	ug/Kg	34		6.6	U		7.1	U		6.5	U		6.2	U	
Bromodichloromethane	ug/Kg	270		6.6	U		7.1	U		6.5	U		6.2	U	
cis-1,3-Dichloropropene	ug/Kg	3		6.6	U		7.1	U		6.5	U		6.2	U	
4-Methyl-2-pentanone	ug/Kg	4600		13	U		14	U		13	U		12	U	
Toluene	ug/Kg	13800		6.6	U		7.1	U		6.5	U		6.2	U	
trans-1,3-Dichloropropene	ug/Kg	3		6.6	U		7.1	U		6.5	U		6.2	U	
1,1,2-Trichloroethane	ug/Kg	32		6.6	U		7.1	U		6.5	U		6.2	U	
Tetrachloroethene	ug/Kg	46		6.6	U		7.1	U		6.5	U		6.2	U	
2-Hexanone	ug/Kg	158		13	U		14	U		13	U		12	U	
Dibromochloromethane	ug/Kg	420		6.6	U		7.1	UJ		6.5	U		6.2	U	
1,2-Dibromoethane	ug/Kg	0.28		6.6	U		7.1	U		6.5	U		6.2	U	
Chlorobenzene	ug/Kg	1360		6.6	U		7.1	U		6.5	U		6.2	U	
Ethylbenzene	ug/Kg	5400		6.6	U		7.1	U		6.5	U		6.2	U	
o-Xylene	ug/Kg	3800		6.6	U		7.1	U		6.5	U		6.2	U	
m,p-Xylene	ug/Kg	3600		6.6	U		7.1	U		6.5	U		6.2	U	
Styrene	ug/Kg	2200		6.6	U		7.1	U		6.5	U		6.2	U	
Bromoform	ug/Kg	420		6.6	U		7.1	UJ		6.5	U		6.2	U	
Isopropylbenzene	ug/Kg	12800		6.6	U		7.1	U		6.5	U		6.2	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52		6.6	U		7.1	U		6.5	U		6.2	U	
1,3-Dichlorobenzene	ug/Kg	N/A		6.6	U		7.1	U		6.5	U		6.2	U	
1,4-Dichlorobenzene	ug/Kg	1440		6.6	U		7.1	U		6.5	U		6.2	U	
1,2-Dichlorobenzene	ug/Kg	11600		6.6	U		7.1	U		6.5	U		6.2	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72		6.6	U		7.1	U		6.5	U		6.2	U	
1,2,4-Trichlorobenzene	ug/Kg	4000		6.6	U		7.1	U		6.5	U		6.2	U	
1,2,3-Trichlorobenzene	ug/Kg	300		6.6	U		7.1	U		6.5	U		6.2	U	
Semi-Volatile Organic Compounds															

Pepsi - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code		PESB-10-A			PESB-10-B			PESB-10-C			PESB-10-D		
		Location		PESB-10			PESB-10			PESB-10			PESB-10		
		Sample Date		11/13/2007			11/13/2007			11/13/2007			11/13/2007		
		Depth		0 to 1 ft			5 to 7 ft			21 to 23 ft			39 to 40 ft		
Chemical Name	Unit	SC	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/Kg	6600		250	U		260	U		210	U		220	U	
Phenol	ug/Kg	52000		250	U		260	U		210	U		220	U	
bis(2-Chloroethyl) ether	ug/Kg	0.06		250	U		260	U		210	U		220	U	
2-Chlorophenol	ug/Kg	1140		250	U		260	U		210	U		220	U	
2-Methylphenol	ug/Kg	11600		250	U		260	U		210	U		220	U	
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2		250	U		260	U		210	U		220	U	
Acetophenone	ug/Kg	9000		250	U		260	U		210	U		220	U	
4-Methylphenol	ug/Kg	22000		250	U		260	U		210	U		220	U	
n-Nitroso-di-n-propylamine	ug/Kg	0.14		250	U		260	U		210	U		220	U	
Hexachloroethane	ug/Kg	9.6		250	U		260	U		210	U		220	U	
Nitrobenzene	ug/Kg	1.58		250	U		260	U		210	U		220	U	
Isophorone	ug/Kg	440		250	U		260	U		210	U		220	U	
2-Nitrophenol	ug/Kg	N/A		250	U		260	U		210	U		220	U	
2,4-Dimethylphenol	ug/Kg	6400		250	U		260	U		210	U		220	U	
bis(2-Chloroethoxy)methane	ug/Kg	220		250	U		260	U		210	U		220	U	
2,4-Dichlorophenol	ug/Kg	820		250	U		260	U		210	U		220	U	
Naphthalene	ug/Kg	9.4		250	U		260	U		210	U		220	U	
4-Chloroaniline	ug/Kg	2.6		250	U		260	U		210	U		220	U	
Hexachlorobutadiene	ug/Kg	10		250	U		260	U		210	U		220	U	
Caprolactam	ug/Kg	38000		250	U		260	U		210	U		220	U	
4-Chloro-3-methylphenol	ug/Kg	26000		250	U		260	U		210	U		220	U	
2-Methylnaphthalene	ug/Kg	2800		250	U		260	U		210	U		220	U	
Hexachlorocyclopentadiene	ug/Kg	3200		250	U		260	U		210	U		220	U	
2,4,6-Trichlorophenol	ug/Kg	260		250	U		260	U		210	U		220	U	
2,4,5-Trichlorophenol	ug/Kg	66000		250	U		260	U		210	U		220	U	
1,1'-Biphenyl	ug/Kg	174		250	U		260	U		210	U		220	U	
2-Chloronaphthalene	ug/Kg	58000		250	U		260	U		210	U		220	U	
2-Nitroaniline	ug/Kg	1240		480	U		500	U		410	U		430	U	

Pepsi - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code		PESB-10-A			PESB-10-B			PESB-10-C			PESB-10-D		
		Location		PESB-10			PESB-10			PESB-10			PESB-10		
		Sample Date		11/13/2007			11/13/2007			11/13/2007			11/13/2007		
		Depth		0 to 1 ft			5 to 7 ft			21 to 23 ft			39 to 40 ft		
Chemical Name	Unit	SC	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Dimethylphthalate	ug/Kg	N/A		250	U		260	U		210	U		220	U	
2,6-Dinitrotoluene	ug/Kg	400		250	U		260	U		210	U		220	U	
Acenaphthylene	ug/Kg	N/A		250	U		260	U		210	U		220	U	
3-Nitroaniline	ug/Kg	N/A		480	U		500	U		410	U		430	U	
Acenaphthene	ug/Kg	82000		250	U		260	U		210	U		220	U	
2,4-Dinitrophenol	ug/Kg	680		480	U		500	U		410	U		430	U	
4-Nitrophenol	ug/Kg	N/A		480	U		500	U		410	U		430	U	
Dibenzofuran	ug/Kg	N/A		250	U		260	U		210	U		220	U	
2,4-Dinitrotoluene	ug/Kg	5.6		250	U		260	U		210	U		220	U	
Diethylphthalate	ug/Kg	94000		250	U		260	U		210	U		220	U	
Fluorene	ug/Kg	80000		250	U		260	U		210	U		220	U	
4-Chlorophenyl-phenylether	ug/Kg	N/A		250	U		260	U		210	U		220	U	
4-Nitroaniline	ug/Kg	28		480	U		500	U		410	U		430	U	
4,6-Dinitro-2-methylphenol	ug/Kg	40		480	U		500	U		410	U		430	U	
n-Nitrosodiphenylamine	ug/Kg	1140		250	U		260	U		210	U		220	U	
1,2,4,5-Tetrachlorobenzene	ug/Kg	116		250	U		260	U		210	U		220	U	
4-Bromophenyl-phenylether	ug/Kg	N/A		250	U		260	U		210	U		220	U	
Hexachlorobenzene	ug/Kg	260		250	U		260	U		210	U		220	U	
Atrazine	ug/Kg	38		250	U		260	U		210	U		220	U	
Pentachlorophenol	ug/Kg	200		480	U		500	U		410	U		430	U	
Phenanthrene	ug/Kg	N/A		250	U		260	U		210	U		220	U	
Anthracene	ug/Kg	840000		250	U		260	U		210	U		220	U	
Carbazole	ug/Kg	N/A		250	U		260	U		210	U		220	U	
Di-n-butylphthalate	ug/Kg	34000		250	U		260	U		210	U		220	U	
Fluoranthene	ug/Kg	230000		250	U		260	U		210	U		220	U	
Pyrene	ug/Kg	170000		250	U		260	U		210	U		220	U	
Butylbenzylphthalate	ug/Kg	4000		250	U		260	U		210	U		220	U	
3,3'-Dichlorobenzidine	ug/Kg	14.2		250	U		260	U		210	U		220	U	

Pepsi - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code		PESB-10-A			PESB-10-B			PESB-10-C			PESB-10-D		
		Location		PESB-10			PESB-10			PESB-10			PESB-10		
		Sample Date		11/13/2007			11/13/2007			11/13/2007			11/13/2007		
		Depth		0 to 1 ft			5 to 7 ft			21 to 23 ft			39 to 40 ft		
Chemical Name	Unit	SC	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzo(a)anthracene	ug/Kg	150		250	U		260	U		210	U		220	U	
Chrysene	ug/Kg	15000		250	U		260	U		210	U		220	U	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000		250	U		260	U		210	U		220	U	
Di-n-octylphthalate	ug/Kg	N/A		250	U		260	U		210	U		220	U	
Benzo(b)fluoranthene	ug/Kg	150		250	U		260	U		210	U		220	U	
Benzo(k)fluoranthene	ug/Kg	1500		250	U		260	U		210	U		220	U	
Benzo(a)pyrene	ug/Kg	15		250	U		260	U		210	U		220	U	
Indeno(1,2,3-cd)pyrene	ug/Kg	150		250	U		260	U		210	U		220	U	
Dibenz(a,h)anthracene	ug/Kg	15		250	U		260	U		210	U		220	U	
Benzo(g,h,i)perylene	ug/Kg	N/A		250	U		260	U		210	U		220	U	
Chlorophenols	ug/Kg	22000		250	U		260	U		210	U		220	U	
PCBs															
Aroclor-1016	ug/Kg	390		48	U		50	U		41	U		43	U	
Aroclor-1221	ug/Kg	1.48		48	U		50	U		41	U		43	U	
Aroclor-1232	ug/Kg	1.48		48	U		50	U		41	U		43	U	
Aroclor-1242	ug/Kg	106		48	U		50	U		41	U		43	U	
Aroclor-1248	ug/Kg	104		48	U		50	U		41	U		43	U	
Aroclor-1254	ug/Kg	110		48	U		50	U		41	U		43	U	
Aroclor-1260	ug/Kg	220		48	U		50	U		41	U		43	U	
Aroclor-1262	ug/Kg	220		48	U		50	U		41	U		43	U	
Aroclor-1268	ug/Kg	220		48	U		50	U		41	U		43	U	
Pesticides															
alpha-BHC	ug/Kg	0.72		2.5	U		2.6	U		2.1	U		2.2	U	
beta-BHC	ug/Kg	2.6		2.5	U		2.6	U		2.1	U		2.2	U	
delta-BHC	ug/Kg	N/A		2.5	U		2.6	U		2.1	U		2.2	U	
gamma-BHC (Lindane)	ug/Kg	24		2.5	U		2.6	U		2.1	U		2.2	U	

Pepsi - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code		PESB-10-A			PESB-10-B			PESB-10-C			PESB-10-D		
		Location		PESB-10			PESB-10			PESB-10			PESB-10		
		Sample Date		11/13/2007			11/13/2007			11/13/2007			11/13/2007		
		Depth		0 to 1 ft			5 to 7 ft			21 to 23 ft			39 to 40 ft		
Chemical Name	Unit	SC	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Heptachlor	ug/Kg	110		2.5	U		2.6	U		2.1	U		2.2	U	
Aldrin	ug/Kg	0.68		2.5	U		2.6	U		2.1	U		2.2	U	
Heptachlor epoxide	ug/Kg	53		2.5	U		2.6	U		2.1	U		2.2	U	
Endosulfan I	ug/Kg	22000		2.5	U		2.6	U		2.1	U		2.2	U	
Dieldrin	ug/Kg	1.22		4.8	U		5.1	U		4.2	U		4.3	U	
4,4'-DDE	ug/Kg	920		4.8	U		5.1	U		4.2	U		4.3	U	
Endrin	ug/Kg	1620		4.8	U		5.1	U		4.2	U		4.3	U	
Endosulfan II	ug/Kg	22000		4.8	U		5.1	U		4.2	U		4.3	U	
4,4'-DDD	ug/Kg	1320		4.8	U		5.1	U		4.2	U		4.3	U	
Endosulfan sulfate	ug/Kg	22000		4.8	U		5.1	U		4.2	U		4.3	U	
4,4'-DDT	ug/Kg	1340		4.8	U		5.1	U		4.2	U		4.3	U	
Methoxychlor	ug/Kg	31000		25	U		26	U		21	U		22	U	
Endrin ketone	ug/Kg	1620		4.8	U		5.1	U		4.2	U		4.3	U	
Endrin aldehyde	ug/Kg	1620		4.8	U		5.1	U		4.2	U		4.3	U	
alpha-Chlordane	ug/Kg	1600		2.5	U		2.6	U		2.1	U		2.2	U	
gamma-Chlordane	ug/Kg	1600		2.5	U		2.6	U		2.1	U		2.2	U	
Toxaphene	ug/Kg	440		250	U		260	U		210	U		220	U	
Aroclors															
Aroclor-1016	ug/L														
Aroclor-1221	ug/L														
Aroclor-1232	ug/L														
Aroclor-1242	ug/L														
Aroclor-1248	ug/L														
Aroclor-1254	ug/L														
Aroclor-1260	ug/L														
Aroclor-1262	ug/L														
Aroclor-1268	ug/L														

Pepsi - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code		PESB-10-A			PESB-10-B			PESB-10-C			PESB-10-D		
		Location		PESB-10			PESB-10			PESB-10			PESB-10		
		Sample Date		11/13/2007			11/13/2007			11/13/2007			11/13/2007		
		Depth		0 to 1 ft			5 to 7 ft			21 to 23 ft			39 to 40 ft		
Chemical Name	Unit	SC	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Inorganic Analytes															
Aluminum	mg/kg	7700	A	**13300**		A	**20000**		A	**8140**		A	**9610**		A
Antimony	mg/kg	3.1		2.2	U		2.3	U		1.9	U		1.9	U	
Arsenic	mg/kg	0.39		**3.2**		A	1.5	U		1.3	U		1.3	U	
Barium	mg/kg	1500	#	281		#	788		#	245		#	255		#
Beryllium	mg/kg	16	#	0.72	U		0.85		#	0.65	U		0.65	U	
Cadmium	mg/kg	7		0.91		#	0.77	U		0.65	U		0.57	J	#
Calcium	mg/kg	N/A	~	4320		~	765	U		1300		~	2360		~
Chromium	mg/kg	0.29	A	**47.9**		A	**53.1**		A	**17.1**		A	**20.8**		A
Cobalt	mg/kg	2.3	A	**68.6**		A	**199**		A	**18**		A	**20.7**		A
Copper	mg/kg	310	#	228		#	224		#	172		#	71.3		#
Cyanide	mg/kg	4.7		3.6	U		3.8	U		3.2	U		3.2	U	
Iron	mg/kg	5400	A	**65000**		A	**45000**		A	**25200**		A	**29800**		A
Lead	mg/kg	280		1.7	J	#	1.5	UJ		1.3	UJ		1.3	UJ	
Magnesium	mg/kg	N/A	~	6200		~	3980		~	5920		~	5940		~
Manganese	mg/kg	21	A	**1150**		A	**2910**		A	**472**		A	**843**		A
Mercury	mg/kg	2		0.14	U		0.15	U		0.13	U		0.12	U	
Nickel	mg/kg	150	#	46.1		#	57.4		#	26.9		#	19.5		#
Potassium	mg/kg	N/A		717	U		765	U		647	U		705		~
Selenium	mg/kg	5.2		5	U		5.4	U		4.5	U		4.4	U	
Silver	mg/kg	12	#	4.6	J	#	3.3	J	#	1.8	J	#	2.1	J	#
Sodium	mg/kg	N/A		717	U		765	U		647	U		646	U	
Thallium	mg/kg	0.08		0.36	U		0.38	U		0.32	U		0.32	U	
Vanadium	mg/kg	39	A	**190**		A	**123**		A	**43.7**		A	**71.7**		A
Zinc	mg/kg	2300	#	150		#	146		#	113		#	60.4		#
Additional Parameters															

Pepsi - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code		PESB-10-A			PESB-10-B			PESB-10-C			PESB-10-D		
		Location		PESB-10			PESB-10			PESB-10			PESB-10		
		Sample Date		11/13/2007			11/13/2007			11/13/2007			11/13/2007		
		Depth		0 to 1 ft			5 to 7 ft			21 to 23 ft			39 to 40 ft		
Chemical Name	Unit	SC	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
% GRANULE & LARGER >2 MM	%	N/A													
% VERY COURSE SAND >1 - 2 MM	%	N/A													
% COARSE SAND >.5 - 1 MM	%	N/A													
% MEDIUM SAND >.25 - .5 MM	%	N/A													
% FINE SAND >.125 - .25 MM	%	N/A													
% VERY FINE SAND >.0625 - .125 MM	%	N/A													
% SILT	%	N/A													
% CLAY & COLLOIDS	%	N/A													
pH	s.u.	N/A													
Total Organic Carbon	mg/Kg	N/A													

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Comparison

Flag

Pepsi - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code		PESB-10-A			PESB-10-B			PESB-10-C			PESB-10-D		
		Location		PESB-10			PESB-10			PESB-10			PESB-10		
		Sample Date		11/13/2007			11/13/2007			11/13/2007			11/13/2007		
		Depth		0 to 1 ft			5 to 7 ft			21 to 23 ft			39 to 40 ft		
Chemical Name	Unit	SC	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ESSB-01-A			ESSB-01-B			ESSB-01-C			ESSB-01-D			ESSB-02-A			ESSB-02-B		
		Location	ESSB-01			ESSB-01			ESSB-01			ESSB-01			ESSB-02			ESSB-02		
		Sample Date	11/19/2007			11/19/2007			11/19/2007			11/26/2007			11/19/2007			11/19/2007		
		Depth	4 to 6 ft			9 to 11 ft			41 to 43 ft			60 to 62 ft			4 to 6 ft			9 to 11 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	5.5	U		6	U		6.7	U		5.6	U		6.1	U		5.9	U	
Chloromethane	ug/Kg	980	5.5	U		6	U		6.7	U		5.6	U		6.1	U		5.9	U	
Vinyl Chloride	ug/Kg	13.8	5.5	U		6	U		6.7	U		5.6	U		6.1	U		5.9	U	
Bromomethane	ug/Kg	36	5.5	U		6	U		6.7	U		5.6	U		6.1	U		5.9	U	
Chloroethane	ug/Kg	118000	5.5	U		6	U		6.7	U		5.6	U		6.1	U		5.9	U	
Trichlorofluoromethane	ug/Kg	13800	5.5	U		6	U		6.7	U		5.6	U		6.1	U		5.9	U	
1,1-Dichloroethene	ug/Kg	50	5.5	U		6	U		6.7	U		5.6	U		6.1	U		5.9	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	5.5	U		6	U		6.7	U		5.6	U		6.1	U		5.9	U	
Acetone	ug/Kg	48000	11	U		12	U		13	U		11	U		12	U		12	U	
Carbon Disulfide	ug/Kg	4200	5.5	U		6	U		6.7	U		5.6	U		6.1	U		5.9	U	
Methyl Acetate	ug/Kg	64000	5.5	U		6	U		6.7	U		5.6	U		6.1	U		5.9	U	
Methylene Chloride	ug/Kg	26	5.5	U		6	U		6.7	U		5.6	U		6.1	U		5.9	U	
trans-1,2-Dichloroethene	ug/Kg	580	5.5	U		6	U		6.7	U		5.6	U		6.1	U		5.9	U	
Methyl tert-Butyl Ether	ug/Kg	56	5.5	U		6	U		6.7	U		5.6	U		6.1	U		5.9	U	
1,1-Dichloroethane	ug/Kg	13.6	5.5	U		6	U		6.7	U		5.6	U		6.1	U		5.9	U	
cis-1,2-Dichloroethene	ug/Kg	420	5.5	U		6	U		6.7	U		5.6	U		6.1	U		5.9	U	
2-Butanone	ug/Kg	20000	11	U		12	U		13	U		11	U		12	U		12	U	
Chlorobromomethane	ug/Kg	420	5.5	U		6	U		6.7	U		5.6	U		6.1	U		5.9	U	
Chloroform	ug/Kg	290	5.5	U		6	U		12		#	5.6	U		6.1	U		5.9	U	
1,1,1-Trichloroethane	ug/Kg	1400	5.5	U		6	U		6.7	U		5.6	U		6.1	U		5.9	U	
Cyclohexane	ug/Kg	117000	5.5	U		6	U		6.7	U		5.6	U		6.1	U		5.9	U	
Carbon Tetrachloride	ug/Kg	38	5.5	U		6	U		6.7	U		5.6	U		6.1	U		5.9	U	
Benzene	ug/Kg	52	5.5	U		6	U		6.7	U		5.6	U		6.1	U		5.9	U	
1,2-Dichloroethane	ug/Kg	28	5.5	U		6	U		6.7	U		5.6	U		6.1	U		5.9	U	
1,4-Dioxane	ug/Kg	2.8	110	R		120	R		130	R		110	R		120	R		120	R	
Trichloroethene	ug/Kg	36	5.5	U		6	U		6.7	U		5.6	U		6.1	U		5.9	U	

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ESSB-01-A		ESSB-01-B		ESSB-01-C		ESSB-01-D		ESSB-02-A		ESSB-02-B	
		Location	ESSB-01		ESSB-01		ESSB-01		ESSB-01		ESSB-02		ESSB-02	
		Sample Date	11/19/2007		11/19/2007		11/19/2007		11/26/2007		11/19/2007		11/19/2007	
		Depth	4 to 6 ft		9 to 11 ft		41 to 43 ft		60 to 62 ft		4 to 6 ft		9 to 11 ft	
Metylcyclohexane	ug/Kg	N/A	5.5	U	6	U	6.7	U	5.6	U	6.1	U	5.9	U
1,2-Dichloropropane	ug/Kg	34	5.5	U	6	U	6.7	U	5.6	U	6.1	U	5.9	U
Bromodichloromethane	ug/Kg	270	5.5	U	6	U	6.7	U	5.6	U	6.1	U	5.9	U
cis-1,3-Dichloropropene	ug/Kg	3	5.5	U	6	U	6.7	U	5.6	U	6.1	U	5.9	U
4-Methyl-2-pentanone	ug/Kg	4600	11	U	12	U	13	U	11	U	12	U	12	U
Toluene	ug/Kg	13800	5.5	U	6	U	6.7	U	5.6	U	6.1	U	5.9	U
trans-1,3-Dichloropropene	ug/Kg	3	5.5	U	6	U	6.7	U	5.6	U	6.1	U	5.9	U
1,1,2-Trichloroethane	ug/Kg	32	5.5	U	6	U	6.7	U	5.6	U	6.1	U	5.9	U
Tetrachloroethene	ug/Kg	46	5.5	U	6	U	6.7	U	5.6	U	6.1	U	5.9	U
2-Hexanone	ug/Kg	158	11	U	12	U	13	U	11	U	12	U	12	U
Dibromochloromethane	ug/Kg	420	5.5	U	6	U	6.7	U	5.6	U	6.1	U	5.9	U
1,2-Dibromoethane	ug/Kg	0.28	5.5	U	6	U	6.7	U	5.6	U	6.1	U	5.9	U
Chlorobenzene	ug/Kg	1360	5.5	U	6	U	6.7	U	5.6	U	6.1	U	5.9	U
Ethylbenzene	ug/Kg	5400	5.5	U	6	U	6.7	U	5.6	U	6.1	U	5.9	U
o-Xylene	ug/Kg	3800	5.5	U	6	U	6.7	U	5.6	U	6.1	U	5.9	U
m,p-Xylene	ug/Kg	3600	5.5	U	6	U	6.7	U	5.6	U	6.1	U	5.9	U
Styrene	ug/Kg	2200	5.5	U	6	U	6.7	U	5.6	U	6.1	U	5.9	U
Bromoform	ug/Kg	420	5.5	U	6	U	6.7	U	5.6	U	6.1	U	5.9	U
Isopropylbenzene	ug/Kg	12800	5.5	U	6	U	6.7	U	5.6	U	6.1	U	5.9	U
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	5.5	U	6	U	6.7	U	5.6	U	6.1	U	5.9	U
1,3-Dichlorobenzene	ug/Kg	N/A	5.5	U	6	U	6.7	U	5.6	U	6.1	U	5.9	U
1,4-Dichlorobenzene	ug/Kg	1440	5.5	U	6	U	6.7	U	5.6	U	6.1	U	5.9	U
1,2-Dichlorobenzene	ug/Kg	11600	5.5	U	6	U	6.7	U	5.6	U	6.1	U	5.9	U
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	5.5	U	6	U	6.7	U	5.6	U	6.1	U	5.9	U
1,2,4-Trichlorobenzene	ug/Kg	4000	5.5	U	6	U	6.7	U	5.6	U	6.1	U	5.9	U
1,2,3-Trichlorobenzene	ug/Kg	300	5.5	U	6	U	6.7	U	5.6	U	6.1	U	5.9	U
Semi-Volatile Organic Compounds														

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ESSB-01-A		ESSB-01-B		ESSB-01-C		ESSB-01-D		ESSB-02-A		ESSB-02-B	
		Location	ESSB-01		ESSB-01		ESSB-01		ESSB-01		ESSB-02		ESSB-02	
		Sample Date	11/19/2007		11/19/2007		11/19/2007		11/26/2007		11/19/2007		11/19/2007	
		Depth	4 to 6 ft		9 to 11 ft		41 to 43 ft		60 to 62 ft		4 to 6 ft		9 to 11 ft	
Benzaldehyde	ug/Kg	6600	220	U	230	U	250	U	220	U	240	U	240	U
Phenol	ug/Kg	52000	220	U	230	U	250	U	220	U	240	U	240	U
bis(2-Chloroethyl) ether	ug/Kg	0.06	220	U	230	U	250	U	220	U	240	U	240	U
2-Chlorophenol	ug/Kg	1140	220	U	230	U	250	U	220	U	240	U	240	U
2-Methylphenol	ug/Kg	11600	220	U	230	U	250	U	220	U	240	U	240	U
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	220	U	230	U	250	U	220	U	240	U	240	U
Acetophenone	ug/Kg	9000	220	U	230	U	250	U	220	U	240	U	240	U
4-Methylphenol	ug/Kg	22000	220	U	230	U	250	U	220	U	240	U	240	U
n-Nitroso-di-n-propylamine	ug/Kg	0.14	220	U	230	U	250	U	220	U	240	U	240	U
Hexachloroethane	ug/Kg	9.6	220	U	230	U	250	U	220	U	240	U	240	U
Nitrobenzene	ug/Kg	1.58	220	U	230	U	250	U	220	U	240	U	240	U
Isophorone	ug/Kg	440	220	U	230	U	250	U	220	U	240	U	240	U
2-Nitrophenol	ug/Kg	N/A	220	U	230	U	250	U	220	U	240	U	240	U
2,4-Dimethylphenol	ug/Kg	6400	220	U	230	U	250	U	220	U	240	U	240	U
bis(2-Chloroethoxy)methane	ug/Kg	220	220	U	230	U	250	U	220	U	240	U	240	U
2,4-Dichlorophenol	ug/Kg	820	220	U	230	U	250	U	220	U	240	U	240	U
Naphthalene	ug/Kg	9.4	220	U	230	U	250	U	220	U	240	U	240	U
4-Chloroaniline	ug/Kg	2.6	220	U	230	U	250	U	220	U	240	U	240	U
Hexachlorobutadiene	ug/Kg	10	220	U	230	U	250	U	220	U	240	U	240	U
Caprolactam	ug/Kg	38000	220	U	230	U	250	U	220	UJ	240	U	240	U
4-Chloro-3-methylphenol	ug/Kg	26000	220	U	230	U	250	U	220	U	240	U	240	U
2-Methylnaphthalene	ug/Kg	2800	220	U	230	U	250	U	220	U	240	U	240	U
Hexachlorocyclopentadiene	ug/Kg	3200	220	U	230	U	250	U	220	U	240	U	240	U
2,4,6-Trichlorophenol	ug/Kg	260	220	U	230	U	250	U	220	U	240	U	240	U
2,4,5-Trichlorophenol	ug/Kg	66000	220	U	230	U	250	U	220	U	240	U	240	U
1,1'-Biphenyl	ug/Kg	174	220	U	230	U	250	U	220	UJ	240	U	240	U
2-Chloronaphthalene	ug/Kg	58000	220	U	230	U	250	U	220	U	240	U	240	U
2-Nitroaniline	ug/Kg	1240	420	U	450	U	490	U	430	U	460	U	460	U

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ESSB-01-A		ESSB-01-B		ESSB-01-C		ESSB-01-D		ESSB-02-A		ESSB-02-B	
		Location	ESSB-01		ESSB-01		ESSB-01		ESSB-01		ESSB-02		ESSB-02	
		Sample Date	11/19/2007		11/19/2007		11/19/2007		11/26/2007		11/19/2007		11/19/2007	
		Depth	4 to 6 ft		9 to 11 ft		41 to 43 ft		60 to 62 ft		4 to 6 ft		9 to 11 ft	
Dimethylphthalate	ug/Kg	N/A	220	U	230	U	250	U	220	UJ	240	U	240	U
2,6-Dinitrotoluene	ug/Kg	400	220	U	230	U	250	U	220	U	240	U	240	U
Acenaphthylene	ug/Kg	N/A	220	U	230	U	250	U	220	U	240	U	240	U
3-Nitroaniline	ug/Kg	N/A	420	U	450	U	490	U	430	U	460	U	460	U
Acenaphthene	ug/Kg	82000	220	U	230	U	250	U	220	U	240	U	240	U
2,4-Dinitrophenol	ug/Kg	680	420	U	450	U	490	U	430	U	460	U	460	U
4-Nitrophenol	ug/Kg	N/A	420	U	450	U	490	U	430	U	460	U	460	U
Dibenzofuran	ug/Kg	N/A	220	U	230	U	250	U	220	UJ	240	U	240	U
2,4-Dinitrotoluene	ug/Kg	5.6	220	U	230	U	250	U	220	U	240	U	240	U
Diethylphthalate	ug/Kg	94000	220	U	230	U	250	U	220	UJ	240	U	240	U
Fluorene	ug/Kg	80000	220	U	230	U	250	U	220	UJ	240	U	240	U
4-Chlorophenyl-phenylether	ug/Kg	N/A	220	U	230	U	250	U	220	U	240	U	240	U
4-Nitroaniline	ug/Kg	28	420	U	450	U	490	U	430	UJ	460	U	460	U
4,6-Dinitro-2-methylphenol	ug/Kg	40	420	U	450	U	490	U	430	U	460	U	460	U
n-Nitrosodiphenylamine	ug/Kg	1140	220	U	230	U	250	U	220	U	240	U	240	U
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	220	U	230	U	250	U	220	U	240	U	240	U
4-Bromophenyl-phenylether	ug/Kg	N/A	220	U	230	U	250	U	220	UJ	240	U	240	U
Hexachlorobenzene	ug/Kg	260	220	U	230	U	250	U	220	U	240	U	240	U
Atrazine	ug/Kg	38	220	U	230	U	250	U	220	U	240	U	240	U
Pentachlorophenol	ug/Kg	200	420	U	450	U	490	U	430	U	460	U	460	U
Phenanthrene	ug/Kg	N/A	220	U	230	U	250	U	220	U	240	U	240	U
Anthracene	ug/Kg	840000	220	U	230	U	250	U	220	U	240	U	240	U
Carbazole	ug/Kg	N/A	220	U	230	U	250	U	220	UJ	240	U	240	U
Di-n-butylphthalate	ug/Kg	34000	220	U	230	U	250	U	220	UJ	240	U	240	U
Fluoranthene	ug/Kg	230000	220	U	230	U	250	U	220	UJ	240	U	240	U
Pyrene	ug/Kg	170000	220	U	230	U	250	U	220	UJ	240	U	240	U
Butylbenzylphthalate	ug/Kg	4000	220	U	230	U	250	U	220	UJ	240	U	240	U
3,3'-Dichlorobenzidine	ug/Kg	14.2	220	U	230	U	250	U	220	U	240	U	240	U

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ESSB-01-A			ESSB-01-B			ESSB-01-C			ESSB-01-D			ESSB-02-A			ESSB-02-B		
		Location	ESSB-01			ESSB-01			ESSB-01			ESSB-01			ESSB-02			ESSB-02		
		Sample Date	11/19/2007			11/19/2007			11/19/2007			11/26/2007			11/19/2007			11/19/2007		
		Depth	4 to 6 ft			9 to 11 ft			41 to 43 ft			60 to 62 ft			4 to 6 ft			9 to 11 ft		
Benzo(a)anthracene	ug/Kg	150	220	U		230	U		250	U		220	UJ		240	U		240	U	
Chrysene	ug/Kg	15000	220	U		230	U		250	U		220	UJ		240	U		240	U	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	75	J	#	230	U		250	U		220	UJ		240	U		240	U	
Di-n-octylphthalate	ug/Kg	N/A	220	U		230	U		250	U		220	U		240	U		240	U	
Benzo(b)fluoranthene	ug/Kg	150	220	U		230	U		250	U		220	UJ		240	U		240	U	
Benzo(k)fluoranthene	ug/Kg	1500	220	U		230	U		250	U		220	UJ		240	U		240	U	
Benzo(a)pyrene	ug/Kg	15	220	U		230	U		250	U		220	UJ		240	U		240	U	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	220	U		230	U		250	U		220	UJ		240	U		240	U	
Dibenz(a,h)anthracene	ug/Kg	15	220	U		230	U		250	U		220	UJ		240	U		240	U	
Benzo(g,h,i)perylene	ug/Kg	N/A	220	U		230	U		250	U		220	UJ		240	U		240	U	
Chlorophenols	ug/Kg	22000	220	U		230	U		250	U		220	U		240	U		240	U	
PCBs																				
Aroclor-1016	ug/Kg	390	42	U		45	U		49	U		43	R		46	R		46	R	
Aroclor-1221	ug/Kg	1.48	42	U		45	U		49	U		43	R		46	R		46	R	
Aroclor-1232	ug/Kg	1.48	42	U		45	U		49	U		43	R		46	R		46	R	
Aroclor-1242	ug/Kg	106	42	U		45	U		49	U		43	R		46	R		46	R	
Aroclor-1248	ug/Kg	104	42	U		45	U		49	U		43	R		46	R		46	R	
Aroclor-1254	ug/Kg	110	42	U		45	U		49	U		43	R		46	R		46	R	
Aroclor-1260	ug/Kg	220	42	U		45	U		49	U		43	R		46	R		46	R	
Aroclor-1262	ug/Kg	220	42	U		45	U		49	U		43	R		46	R		46	R	
Aroclor-1268	ug/Kg	220	42	U		45	U		49	U		43	R		46	R		46	R	
Pesticides																				
alpha-BHC	ug/Kg	0.72	2.2	U		2.3	U		2.5	U		2.2	U		2.4	U		2.4	U	
beta-BHC	ug/Kg	2.6	2.2	U		2.3	U		2.5	U		2.2	U		2.4	U		2.4	U	
delta-BHC	ug/Kg	N/A	2.2	U		2.3	U		2.5	U		2.2	U		2.4	U		2.4	U	
gamma-BHC (Lindane)	ug/Kg	24	2.2	U		2.3	U		2.5	U		2.2	U		2.4	U		2.4	U	

Esso - Soil Sample Results Full Table
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		Sample Code	ESSB-01-A			ESSB-01-B			ESSB-01-C			ESSB-01-D			ESSB-02-A			ESSB-02-B		
		Location	ESSB-01			ESSB-01			ESSB-01			ESSB-01			ESSB-02			ESSB-02		
		Sample Date	11/19/2007			11/19/2007			11/19/2007			11/26/2007			11/19/2007			11/19/2007		
		Depth	4 to 6 ft			9 to 11 ft			41 to 43 ft			60 to 62 ft			4 to 6 ft			9 to 11 ft		
Heptachlor	ug/Kg	110	2.2	U		2.3	U		2.5	U		2.2	U		2.4	U		2.4	U	
Aldrin	ug/Kg	0.68	2.2	U		2.3	U		2.5	U		2.2	U		2.4	U		2.4	U	
Heptachlor epoxide	ug/Kg	53	2.2	U		2.3	U		2.5	U		2.2	U		2.4	U		2.4	U	
Endosulfan I	ug/Kg	22000	2.2	U		2.3	U		2.5	U		2.2	U		2.4	U		2.4	U	
Dieldrin	ug/Kg	1.22	4.2	U		4.4	U		4.9	U		4.3	U		4.6	U		4.6	U	
4,4'-DDE	ug/Kg	920	4.2	U		4.4	U		4.9	U		4.3	U		4.6	U		4.6	U	
Endrin	ug/Kg	1620	4.2	U		4.4	U		4.9	U		4.3	U		4.6	U		4.6	U	
Endosulfan II	ug/Kg	22000	4.2	U		4.4	U		4.9	U		2.9	J	#	4.6	U		4.6	U	
4,4'-DDD	ug/Kg	1320	4.2	U		4.4	U		4.9	U		4.3	U		4.6	U		4.6	U	
Endosulfan sulfate	ug/Kg	22000	4.2	U		4.4	U		4.9	U		4.3	U		4.6	U		4.6	U	
4,4'-DDT	ug/Kg	1340	4.2	U		4.4	U		4.9	U		4.3	U		4.6	U		4.6	U	
Methoxychlor	ug/Kg	31000	22	U		23	U		25	U		22	U		24	U		24	U	
Endrin ketone	ug/Kg	1620	4.2	U		4.4	U		4.9	U		4.3	U		4.6	U		4.6	U	
Endrin aldehyde	ug/Kg	1620	4.2	U		4.4	U		4.9	U		4.3	U		4.6	U		4.6	U	
alpha-Chlordane	ug/Kg	1600	2.2	U		2.3	U		2.5	U		2.2	U		2.4	U		2.4	U	
gamma-Chlordane	ug/Kg	1600	2.2	U		2.3	U		2.5	U		2.2	U		2.4	U		2.4	U	
Toxaphene	ug/Kg	440	220	U		230	U		250	U		220	U		240	U		240	U	
Inorganic Analytes																				
Aluminum	mg/kg	7700	**9300**		A	6000		#	**15000**		A	**12500**		A	6140		#	5320		#
Antimony	mg/kg	3.1	1.9	U		2	U		2.3	U		2.1	U		2.1	U		2.1	U	
Arsenic	mg/kg	0.39	**4.1**		A	1.4	U		**1.2**	J	A	1.4	U		1.4	U		1.4	U	
Barium	mg/kg	1500	247		#	27.1	U		259		#	488		#	28.2	U		27.7	U	
Beryllium	mg/kg	16	0.64	U		0.68	U		1		#	0.7	U		0.7	U		0.69	U	
Cadmium	mg/kg	7	1		#	0.68	U		0.76	U		0.94		#	0.7	U		0.69	U	
Calcium	mg/kg	N/A	20400		~	481	J	~	773		~	2050		~	1150		~	530	J	~
Chromium	mg/kg	0.29	**29.8**	J	A	**21.8**	J	A	**19.8**	J	A	**11.6**	J	A	**15.2**	J	A	**15.4**	J	A
Cobalt	mg/kg	2.3	**39.7**		A	6.8	U		**65.1**		A	**36.2**		A	**20.1**		A	6.9	U	

Esso - Soil Sample Results Full Table
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		Sample Code	ESSB-01-A			ESSB-01-B			ESSB-01-C			ESSB-01-D			ESSB-02-A			ESSB-02-B		
		Location	ESSB-01			ESSB-01			ESSB-01			ESSB-01			ESSB-02			ESSB-02		
		Sample Date	11/19/2007			11/19/2007			11/19/2007			11/26/2007			11/19/2007			11/19/2007		
		Depth	4 to 6 ft			9 to 11 ft			41 to 43 ft			60 to 62 ft			4 to 6 ft			9 to 11 ft		
Copper	mg/kg	310	55.8		#	74.2		#	254		#	86.8		#	41		#	46.3		#
Cyanide	mg/kg	4.7	0.18	J	#	3.4	U		3.8	U		1.5	J	#	3.5	U		3.5	U	
Iron	mg/kg	5400	**35600**		A	**49200**		A	**61800**		A	**31600**		A	**41500**		A	**44300**		A
Lead	mg/kg	280	100	J	#	1.4	UJ		1.5	UJ		1.4	UJ		1.4	UJ		1.4	UJ	
Magnesium	mg/kg	N/A	2990		~	489	J	~	6490		~	9820		~	901		~	658	J	~
Manganese	mg/kg	21	**2880**		A	**274**		A	**1190**		A	**1660**		A	**1070**		A	**214**		A
Mercury	mg/kg	2	0.51		#	0.13	U		0.14	U		0.14	U		0.072	J	#	0.072	J	#
Nickel	mg/kg	150	11.1		#	4.2	J	#	31.7		#	44.9		#	3.2	J	#	3.1	J	#
Potassium	mg/kg	N/A	644	UJ		678	UJ		756	UJ		695	UJ		704	UJ		694	UJ	
Selenium	mg/kg	5.2	4.5	U		4.7	U		5.3	U		4.9	U		4.9	U		4.9	U	
Silver	mg/kg	12	3.6	J	#	4.7	J	#	5.6	J	#	3.2	J	#	4.1	J	#	4.3	J	#
Sodium	mg/kg	N/A	644	U		678	U		756	U		695	U		704	U		694	U	
Thallium	mg/kg	0.08	0.32	U		0.34	U		0.38	U		0.34	U		0.35	U		0.35	U	
Vanadium	mg/kg	39	**118**		A	**149**		A	**212**		A	**89.1**		A	**185**		A	**152**		A
Zinc	mg/kg	2300	371		#	22.7		#	250		#	269		#	28.4		#	19.8		#
Additional Parameters																				
% GRANULE & LARGER >2 MM	%	N/A				0		~										0		~
% VERY COURSE SAND >1 - 2 MM	%	N/A				0		~										0		~
% COARSE SAND >.5 - 1 MM	%	N/A				0		~										0		~
% MEDIUM SAND >.25 - .5 MM	%	N/A				1		~										1		~
% FINE SAND >.125 - .25 MM	%	N/A				1		~										1		~
% VERY FINE SAND >.0625 - .125 MM	%	N/A				1		~										1		~
% SILT	%	N/A				21		~										24		~
% CLAY & COLLOIDS	%	N/A				76		~										73		~
pH	s.u.	N/A				7		~										7		~
Total Organic Carbon	mg/Kg	N/A				1700		~										2600		~

Notes:
Highlight indicates exceedance

Q - Qualifier

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
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	Sample Code	ESSB-01-A	ESSB-01-B	ESSB-01-C	ESSB-01-D	ESSB-02-A	ESSB-02-B
	Location	ESSB-01	ESSB-01	ESSB-01	ESSB-01	ESSB-02	ESSB-02
	Sample Date	11/19/2007	11/19/2007	11/19/2007	11/26/2007	11/19/2007	11/19/2007
	Depth	4 to 6 ft	9 to 11 ft	41 to 43 ft	60 to 62 ft	4 to 6 ft	9 to 11 ft

SC - Site Specific Screening Criteria
C - Comparison Flag
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

Esso - Soil Sample Results Full Table
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		Sample Code	ESSB-02-C			ESSB-02-D			ESSB-03-A			ESSB-03-B			ESSB-03-C			ESSB-03-D		
		Location	ESSB-02			ESSB-02			ESSB-03			ESSB-03			ESSB-03			ESSB-03		
		Sample Date	11/19/2007			11/19/2007			11/19/2007			11/19/2007			11/19/2007			11/19/2007		
		Depth	21 to 23 ft			56 to 58 ft			4 to 5 ft			9 to 11 ft			41 to 43 ft			56 to 58 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
Chloromethane	ug/Kg	980	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
Vinyl Chloride	ug/Kg	13.8	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
Bromomethane	ug/Kg	36	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
Chloroethane	ug/Kg	118000	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
Trichlorofluoromethane	ug/Kg	13800	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
1,1-Dichloroethene	ug/Kg	50	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
Acetone	ug/Kg	48000	17	U		13	U		12	U		13	U		16	U		11	U	
Carbon Disulfide	ug/Kg	4200	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
Methyl Acetate	ug/Kg	64000	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
Methylene Chloride	ug/Kg	26	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
trans-1,2-Dichloroethene	ug/Kg	580	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
Methyl tert-Butyl Ether	ug/Kg	56	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
1,1-Dichloroethane	ug/Kg	13.6	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
cis-1,2-Dichloroethene	ug/Kg	420	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
2-Butanone	ug/Kg	20000	17	U		13	U		12	U		13	U		16	U		11	U	
Chlorobromomethane	ug/Kg	420	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
Chloroform	ug/Kg	290	15		#	7.8		#	5.9	U		6.3	U		7.8	U		5.6	U	
1,1,1-Trichloroethane	ug/Kg	1400	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
Cyclohexane	ug/Kg	117000	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
Carbon Tetrachloride	ug/Kg	38	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
Benzene	ug/Kg	52	8.7	U		13		#	5.9	U		6.3	U		7.8	U		5.6	U	
1,2-Dichloroethane	ug/Kg	28	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
1,4-Dioxane	ug/Kg	2.8	170	R		130	R		120	R		130	R		160	R		110	R	
Trichloroethene	ug/Kg	36	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	

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		Sample Code	ESSB-02-C			ESSB-02-D			ESSB-03-A			ESSB-03-B			ESSB-03-C			ESSB-03-D		
		Location	ESSB-02			ESSB-02			ESSB-03			ESSB-03			ESSB-03			ESSB-03		
		Sample Date	11/19/2007			11/19/2007			11/19/2007			11/19/2007			11/19/2007			11/19/2007		
		Depth	21 to 23 ft			56 to 58 ft			4 to 5 ft			9 to 11 ft			41 to 43 ft			56 to 58 ft		
Metylcyclohexane	ug/Kg	N/A	8.7	U		13		~	5.9	U		6.3	U		7.8	U		5.6	U	
1,2-Dichloropropane	ug/Kg	34	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
Bromodichloromethane	ug/Kg	270	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
cis-1,3-Dichloropropene	ug/Kg	3	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
4-Methyl-2-pentanone	ug/Kg	4600	17	U		13	U		12	U		13	U		16	U		11	U	
Toluene	ug/Kg	13800	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
trans-1,3-Dichloropropene	ug/Kg	3	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
1,1,2-Trichloroethane	ug/Kg	32	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
Tetrachloroethene	ug/Kg	46	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
2-Hexanone	ug/Kg	158	17	U		13	U		12	U		13	U		16	U		11	U	
Dibromochloromethane	ug/Kg	420	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
1,2-Dibromoethane	ug/Kg	0.28	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
Chlorobenzene	ug/Kg	1360	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
Ethylbenzene	ug/Kg	5400	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
o-Xylene	ug/Kg	3800	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
m,p-Xylene	ug/Kg	3600	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
Styrene	ug/Kg	2200	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
Bromoform	ug/Kg	420	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
Isopropylbenzene	ug/Kg	12800	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
1,3-Dichlorobenzene	ug/Kg	N/A	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
1,4-Dichlorobenzene	ug/Kg	1440	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
1,2-Dichlorobenzene	ug/Kg	11600	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
1,2,3-Trichlorobenzene	ug/Kg	300	8.7	U		6.3	U		5.9	U		6.3	U		7.8	U		5.6	U	
Semi-Volatile Organic Compounds																				

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		Sample Code Location Sample Date Depth	ESSB-02-C ESSB-02 11/19/2007 21 to 23 ft		ESSB-02-D ESSB-02 11/19/2007 56 to 58 ft		ESSB-03-A ESSB-03 11/19/2007 4 to 5 ft		ESSB-03-B ESSB-03 11/19/2007 9 to 11 ft		ESSB-03-C ESSB-03 11/19/2007 41 to 43 ft		ESSB-03-D ESSB-03 11/19/2007 56 to 58 ft	
Benzaldehyde	ug/Kg	6600	270	U	240	U	240	U	240	U	260	U	230	U
Phenol	ug/Kg	52000	270	U	240	U	240	U	240	U	260	U	230	U
bis(2-Chloroethyl) ether	ug/Kg	0.06	270	U	240	U	240	U	240	U	260	U	230	U
2-Chlorophenol	ug/Kg	1140	270	U	240	U	240	U	240	U	260	U	230	U
2-Methylphenol	ug/Kg	11600	270	U	240	U	240	U	240	U	260	U	230	U
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	270	U	240	U	240	U	240	U	260	U	230	U
Acetophenone	ug/Kg	9000	270	U	240	U	240	U	240	U	260	U	230	U
4-Methylphenol	ug/Kg	22000	270	U	240	U	240	U	240	U	260	U	230	U
n-Nitroso-di-n-propylamine	ug/Kg	0.14	270	U	240	U	240	U	240	U	260	U	230	U
Hexachloroethane	ug/Kg	9.6	270	U	240	U	240	U	240	U	260	U	230	U
Nitrobenzene	ug/Kg	1.58	270	U	240	U	240	U	240	U	260	U	230	U
Isophorone	ug/Kg	440	270	U	240	U	240	U	240	U	260	U	230	U
2-Nitrophenol	ug/Kg	N/A	270	U	240	U	240	U	240	U	260	U	230	U
2,4-Dimethylphenol	ug/Kg	6400	270	U	240	U	240	U	240	U	260	U	230	U
bis(2-Chloroethoxy)methane	ug/Kg	220	270	U	240	U	240	U	240	U	260	U	230	U
2,4-Dichlorophenol	ug/Kg	820	270	U	240	U	240	U	240	U	260	U	230	U
Naphthalene	ug/Kg	9.4	270	U	240	U	240	U	240	U	260	U	230	U
4-Chloroaniline	ug/Kg	2.6	270	U	240	U	240	U	240	U	260	U	230	U
Hexachlorobutadiene	ug/Kg	10	270	U	240	U	240	U	240	U	260	U	230	U
Caprolactam	ug/Kg	38000	270	U	240	U	240	U	240	U	260	U	230	U
4-Chloro-3-methylphenol	ug/Kg	26000	270	U	240	U	240	U	240	U	260	U	230	U
2-Methylnaphthalene	ug/Kg	2800	270	U	240	U	240	U	240	U	260	U	230	U
Hexachlorocyclopentadiene	ug/Kg	3200	270	U	240	U	240	U	240	U	260	U	230	U
2,4,6-Trichlorophenol	ug/Kg	260	270	U	240	U	240	U	240	U	260	U	230	U
2,4,5-Trichlorophenol	ug/Kg	66000	270	U	240	U	240	U	240	U	260	U	230	U
1,1'-Biphenyl	ug/Kg	174	270	U	240	U	240	U	240	U	260	U	230	U
2-Chloronaphthalene	ug/Kg	58000	270	U	240	U	240	U	240	U	260	U	230	U
2-Nitroaniline	ug/Kg	1240	510	U	470	U	460	U	460	U	510	U	450	U

Esso - Soil Sample Results Full Table
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		Sample Code	ESSB-02-C			ESSB-02-D			ESSB-03-A			ESSB-03-B			ESSB-03-C			ESSB-03-D		
		Location	ESSB-02			ESSB-02			ESSB-03			ESSB-03			ESSB-03			ESSB-03		
		Sample Date	11/19/2007			11/19/2007			11/19/2007			11/19/2007			11/19/2007			11/19/2007		
		Depth	21 to 23 ft			56 to 58 ft			4 to 5 ft			9 to 11 ft			41 to 43 ft			56 to 58 ft		
Dimethylphthalate	ug/Kg	N/A	270	U		240	U		240	U		240	U		260	U		230	U	
2,6-Dinitrotoluene	ug/Kg	400	270	U		240	U		240	U		240	U		260	U		230	U	
Acenaphthylene	ug/Kg	N/A	270	U		240	U		240	U		240	U		260	U		230	U	
3-Nitroaniline	ug/Kg	N/A	510	U		470	U		460	U		460	U		510	U		450	U	
Acenaphthene	ug/Kg	82000	270	U		240	U		240	U		240	U		260	U		230	U	
2,4-Dinitrophenol	ug/Kg	680	510	U		470	U		460	U		460	U		510	U		450	U	
4-Nitrophenol	ug/Kg	N/A	510	U		470	U		460	U		460	U		510	U		450	U	
Dibenzofuran	ug/Kg	N/A	270	U		240	U		240	U		240	U		260	U		230	U	
2,4-Dinitrotoluene	ug/Kg	5.6	270	U		240	U		240	U		240	U		260	U		230	U	
Diethylphthalate	ug/Kg	94000	270	U		240	U		240	U		240	U		260	U		230	U	
Fluorene	ug/Kg	80000	270	U		240	U		240	U		240	U		260	U		230	U	
4-Chlorophenyl-phenylether	ug/Kg	N/A	270	U		240	U		240	U		240	U		260	U		230	U	
4-Nitroaniline	ug/Kg	28	510	U		470	U		460	U		460	U		510	U		450	U	
4,6-Dinitro-2-methylphenol	ug/Kg	40	510	U		470	U		460	U		460	U		510	U		450	U	
n-Nitrosodiphenylamine	ug/Kg	1140	270	U		240	U		240	U		240	U		260	U		230	U	
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	270	U		240	U		240	U		240	U		260	U		230	U	
4-Bromophenyl-phenylether	ug/Kg	N/A	270	U		240	U		240	U		240	U		260	U		230	U	
Hexachlorobenzene	ug/Kg	260	270	U		240	U		240	U		240	U		260	U		230	U	
Atrazine	ug/Kg	38	270	U		240	U		240	U		240	U		260	U		230	U	
Pentachlorophenol	ug/Kg	200	510	U		470	U		460	U		460	U		510	U		450	U	
Phenanthrene	ug/Kg	N/A	270	U		240	U		240	U		240	U		260	U		230	U	
Anthracene	ug/Kg	840000	270	U		240	U		240	U		240	U		260	U		230	U	
Carbazole	ug/Kg	N/A	270	U		240	U		240	U		240	U		260	U		230	U	
Di-n-butylphthalate	ug/Kg	34000	270	U		240	U		240	U		240	U		260	U		230	U	
Fluoranthene	ug/Kg	230000	270	U		240	U		240	U		240	U		260	U		230	U	
Pyrene	ug/Kg	170000	270	U		240	U		240	U		240	U		260	U		230	U	
Butylbenzylphthalate	ug/Kg	4000	94	J	#	240	U		240	U		240	U		260	U		230	U	
3,3'-Dichlorobenzidine	ug/Kg	14.2	270	U		240	U		240	U		240	U		260	U		230	U	

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		Sample Code	ESSB-02-C		ESSB-02-D		ESSB-03-A		ESSB-03-B		ESSB-03-C		ESSB-03-D	
		Location	ESSB-02		ESSB-02		ESSB-03		ESSB-03		ESSB-03		ESSB-03	
		Sample Date	11/19/2007		11/19/2007		11/19/2007		11/19/2007		11/19/2007		11/19/2007	
		Depth	21 to 23 ft		56 to 58 ft		4 to 5 ft		9 to 11 ft		41 to 43 ft		56 to 58 ft	
Benzo(a)anthracene	ug/Kg	150	270	U	240	U	240	U	240	U	260	U	230	U
Chrysene	ug/Kg	15000	270	U	240	U	240	U	240	U	260	U	230	U
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	270	U	240	U	240	U	240	U	260	U	230	U
Di-n-octylphthalate	ug/Kg	N/A	270	U	240	U	240	U	240	U	260	U	230	U
Benzo(b)fluoranthene	ug/Kg	150	270	U	240	U	240	U	240	U	260	U	230	U
Benzo(k)fluoranthene	ug/Kg	1500	270	U	240	U	240	U	240	U	260	U	230	U
Benzo(a)pyrene	ug/Kg	15	270	U	240	U	240	U	240	U	260	U	230	U
Indeno(1,2,3-cd)pyrene	ug/Kg	150	270	U	240	U	240	U	240	U	260	U	230	U
Dibenz(a,h)anthracene	ug/Kg	15	270	U	240	U	240	U	240	U	260	U	230	U
Benzo(g,h,i)perylene	ug/Kg	N/A	270	U	240	U	240	U	240	U	260	U	230	U
Chlorophenols	ug/Kg	22000	270	U	240	U	240	U	240	U	260	U	230	U
PCBs														
Aroclor-1016	ug/Kg	390	52	R	47	R	46	U	46	U	51	U	45	U
Aroclor-1221	ug/Kg	1.48	52	R	47	R	46	U	46	U	51	U	45	U
Aroclor-1232	ug/Kg	1.48	52	R	47	R	46	U	46	U	51	U	45	U
Aroclor-1242	ug/Kg	106	52	R	47	R	46	U	46	U	51	U	45	U
Aroclor-1248	ug/Kg	104	52	R	47	R	46	U	46	U	51	U	45	U
Aroclor-1254	ug/Kg	110	52	R	47	R	46	U	46	U	51	U	45	U
Aroclor-1260	ug/Kg	220	52	R	47	R	46	U	46	U	51	U	45	U
Aroclor-1262	ug/Kg	220	52	R	47	R	46	U	46	U	51	U	45	U
Aroclor-1268	ug/Kg	220	52	R	47	R	46	U	46	U	51	U	45	U
Pesticides														
alpha-BHC	ug/Kg	0.72	2.7	U	2.4	U	2.4	U	2.4	U	2.6	U	2.3	U
beta-BHC	ug/Kg	2.6	2.7	U	2.4	U	2.4	U	2.4	U	2.6	U	2.3	U
delta-BHC	ug/Kg	N/A	2.7	U	2.4	U	2.4	U	2.4	U	2.6	U	2.3	U
gamma-BHC (Lindane)	ug/Kg	24	2.7	U	2.4	U	2.4	U	2.4	U	2.6	U	2.3	U

Esso - Soil Sample Results Full Table
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		Sample Code	ESSB-02-C			ESSB-02-D			ESSB-03-A			ESSB-03-B			ESSB-03-C			ESSB-03-D		
		Location	ESSB-02			ESSB-02			ESSB-03			ESSB-03			ESSB-03			ESSB-03		
		Sample Date	11/19/2007			11/19/2007			11/19/2007			11/19/2007			11/19/2007			11/19/2007		
		Depth	21 to 23 ft			56 to 58 ft			4 to 5 ft			9 to 11 ft			41 to 43 ft			56 to 58 ft		
Heptachlor	ug/Kg	110	2.7	U		2.4	U		2.4	U		2.4	U		2.6	U		2.3	U	
Aldrin	ug/Kg	0.68	2.7	U		2.4	U		2.4	U		2.4	U		2.6	U		2.3	U	
Heptachlor epoxide	ug/Kg	53	2.7	U		2.4	U		2.4	U		2.4	U		2.6	U		2.3	U	
Endosulfan I	ug/Kg	22000	2.7	U		2.4	U		2.4	U		2.4	U		2.6	U		2.3	U	
Dieldrin	ug/Kg	1.22	5.1	U		4.7	U		4.6	U		4.6	U		5.1	U		4.5	U	
4,4'-DDE	ug/Kg	920	5.1	U		4.7	U		4.6	U		4.6	U		5.1	U		4.5	U	
Endrin	ug/Kg	1620	5.1	U		4.7	U		4.6	U		4.6	U		5.1	U		4.5	U	
Endosulfan II	ug/Kg	22000	5.1	U		3.1	J	#	4.6	U		4.6	U		5.1	U		4.5	U	
4,4'-DDD	ug/Kg	1320	5.1	U		4.7	U		4.6	U		4.6	U		5.1	U		4.5	U	
Endosulfan sulfate	ug/Kg	22000	5.1	U		4.7	U		4.6	U		4.6	U		5.1	U		4.5	U	
4,4'-DDT	ug/Kg	1340	5.1	U		4.7	U		4.6	U		4.6	U		5.1	U		4.5	U	
Methoxychlor	ug/Kg	31000	27	U		24	U		24	U		24	U		26	U		23	U	
Endrin ketone	ug/Kg	1620	5.1	U		4.7	U		4.6	U		4.6	U		5.1	U		4.5	U	
Endrin aldehyde	ug/Kg	1620	5.1	U		4.7	U		4.6	U		4.6	U		5.1	U		4.5	U	
alpha-Chlordane	ug/Kg	1600	2.7	U		2.4	U		2.4	U		2.4	U		2.6	U		2.3	U	
gamma-Chlordane	ug/Kg	1600	2.7	U		2.4	U		2.4	U		2.4	U		2.6	U		2.3	U	
Toxaphene	ug/Kg	440	270	U		240	U		240	U		240	U		260	U		230	U	
Inorganic Analytes																				
Aluminum	mg/kg	7700	**8280**		A	**9990**		A	**9910**		A	**9260**		A	**10400**		A	**11200**		A
Antimony	mg/kg	3.1	2.4	U		2.1	U		2.1	U		2.1	U		2.3	U		2	U	
Arsenic	mg/kg	0.39	1.6	U		1.4	U		**1.7**		A	1.4	U		1.6	U		1.4	U	
Barium	mg/kg	1500	129		#	271		#	83.9		#	77.6		#	187		#	175		#
Beryllium	mg/kg	16	0.79	U		0.71	U		0.68	U		0.71	U		0.78	U		0.68	U	
Cadmium	mg/kg	7	0.79	U		0.71	U		0.68	U		0.71	U		0.78	U		0.68	U	
Calcium	mg/kg	N/A	401	J	~	1020		~	4430		~	1690		~	966		~	1080		~
Chromium	mg/kg	0.29	**13.8**	J	A	**6.7**	J	A	**21.2**	J	A	**19.4**	J	A	**8**	J	A	**6.2**	J	A
Cobalt	mg/kg	2.3	**39.8**		A	**30.2**		A	**27.6**		A	**17.7**		A	**40.4**		A	**10.5**		A

Esso - Soil Sample Results Full Table
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		Sample Code Location Sample Date Depth	ESSB-02-C ESSB-02 11/19/2007 21 to 23 ft			ESSB-02-D ESSB-02 11/19/2007 56 to 58 ft			ESSB-03-A ESSB-03 11/19/2007 4 to 5 ft			ESSB-03-B ESSB-03 11/19/2007 9 to 11 ft			ESSB-03-C ESSB-03 11/19/2007 41 to 43 ft			ESSB-03-D ESSB-03 11/19/2007 56 to 58 ft		
Copper	mg/kg	310	133		#	61.7		#	50.7		#	55.4		#	195		#	71.6		#
Cyanide	mg/kg	4.7	3.9	U		3.6	U		0.18	J	#	3.6	U		3.9	U		3.4	U	
Iron	mg/kg	5400	**29700**		A	**27900**		A	**43900**		A	**51400**		A	**46600**		A	**29600**		A
Lead	mg/kg	280	1.6	UJ		1.4	UJ		6	J	#	1.4	UJ		1.6	UJ		1.4	UJ	
Magnesium	mg/kg	N/A	2480		~	6600		~	1440		~	1650		~	4290		~	8050		~
Manganese	mg/kg	21	**784**		A	**878**		A	**2550**		A	**1020**		A	**1050**		A	**260**		A
Mercury	mg/kg	2	0.16	U		0.14	U		0.34		#	0.13	J	#	0.16	U		0.14	U	
Nickel	mg/kg	150	15.7		#	28.7		#	6.9		#	4.3	J	#	19.9		#	24.3		#
Potassium	mg/kg	N/A	786	UJ		710	UJ		682	UJ		712	UJ		776	UJ		679	UJ	
Selenium	mg/kg	5.2	5.5	U		5	U		4.8	U		5	U		5.4	U		4.8	U	
Silver	mg/kg	12	3	J	#	2.8	J	#	4.2	J	#	4.5	J	#	4.2	J	#	2.7	J	#
Sodium	mg/kg	N/A	786	U		710	U		682	U		712	U		776	U		679	U	
Thallium	mg/kg	0.08	0.39	U		0.36	U		0.35	U		0.35	U		0.39	U		0.34	U	
Vanadium	mg/kg	39	**90.1**		A	**92.8**		A	**163**		A	**194**		A	**171**		A	**98.4**		A
Zinc	mg/kg	2300	77.7		#	244		#	51.8		#	32.1		#	134		#	241		#
Additional Parameters																				
% GRANULE & LARGER >2 MM	%	N/A																		
% VERY COURSE SAND >1 - 2 MM	%	N/A																		
% COARSE SAND >.5 - 1 MM	%	N/A																		
% MEDIUM SAND >.25 - .5 MM	%	N/A																		
% FINE SAND >.125 - .25 MM	%	N/A																		
% VERY FINE SAND >.0625 - .125 MM	%	N/A																		
% SILT	%	N/A																		
% CLAY & COLLOIDS	%	N/A																		
pH	s.u.	N/A																		
Total Organic Carbon	mg/Kg	N/A																		

Notes:
Highlight indicates exceedance

Q - Qualifier

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	Sample Code	ESSB-02-C	ESSB-02-D	ESSB-03-A	ESSB-03-B	ESSB-03-C	ESSB-03-D
	Location	ESSB-02	ESSB-02	ESSB-03	ESSB-03	ESSB-03	ESSB-03
	Sample Date	11/19/2007	11/19/2007	11/19/2007	11/19/2007	11/19/2007	11/19/2007
	Depth	21 to 23 ft	56 to 58 ft	4 to 5 ft	9 to 11 ft	41 to 43 ft	56 to 58 ft

SC - Site Specific Screening Criteria
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

C - Comparisor Flag

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

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		Sample Code	ESSB-04-A			ESSB-04-B			ESSB-04-C			ESSB-04-D			ESSB-05-A			ESSB-05-B		
		Location	ESSB-04			ESSB-04			ESSB-04			ESSB-04			ESSB-05			ESSB-05		
		Sample Date	11/13/2007			11/20/2007			11/20/2007			11/20/2007			11/20/2007			11/20/2007		
		Depth	0 to 1 ft			9 to 11 ft			21 to 23 ft			52 to 54 ft			2 to 4 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
Chloromethane	ug/Kg	980	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
Vinyl Chloride	ug/Kg	13.8	6.5	UJ		6.4	UJ		7.3	UJ		7	UJ		7.1	UJ		7.2	UJ	
Bromomethane	ug/Kg	36	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
Chloroethane	ug/Kg	118000	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
Trichlorofluoromethane	ug/Kg	13800	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
1,1-Dichloroethene	ug/Kg	50	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
Acetone	ug/Kg	48000	13	U		13	U		15	U		14	U		14	U		14	U	
Carbon Disulfide	ug/Kg	4200	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
Methyl Acetate	ug/Kg	64000	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
Methylene Chloride	ug/Kg	26	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
trans-1,2-Dichloroethene	ug/Kg	580	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
Methyl tert-Butyl Ether	ug/Kg	56	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
1,1-Dichloroethane	ug/Kg	13.6	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
cis-1,2-Dichloroethene	ug/Kg	420	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
2-Butanone	ug/Kg	20000	13	U		13	U		15	U		14	U		14	U		14	U	
Chlorobromomethane	ug/Kg	420	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
Chloroform	ug/Kg	290	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
Cyclohexane	ug/Kg	117000	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
Carbon Tetrachloride	ug/Kg	38	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
Benzene	ug/Kg	52	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
1,2-Dichloroethane	ug/Kg	28	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
1,4-Dioxane	ug/Kg	2.8	130	R		130	R		150	R		140	R		140	R		140	R	
Trichloroethene	ug/Kg	36	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	

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		Sample Code	ESSB-04-A			ESSB-04-B			ESSB-04-C			ESSB-04-D			ESSB-05-A			ESSB-05-B		
		Location	ESSB-04			ESSB-04			ESSB-04			ESSB-04			ESSB-05			ESSB-05		
		Sample Date	11/13/2007			11/20/2007			11/20/2007			11/20/2007			11/20/2007			11/20/2007		
		Depth	0 to 1 ft			9 to 11 ft			21 to 23 ft			52 to 54 ft			2 to 4 ft			5 to 7 ft		
Metylcyclohexane	ug/Kg	N/A	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
1,2-Dichloropropane	ug/Kg	34	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
Bromodichloromethane	ug/Kg	270	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
cis-1,3-Dichloropropene	ug/Kg	3	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
4-Methyl-2-pentanone	ug/Kg	4600	13	U		13	U		15	U		14	U		14	U		14	U	
Toluene	ug/Kg	13800	6.6	J	#	6.4	U		7.3	U		7	U		7.1	U		7.2	U	
trans-1,3-Dichloropropene	ug/Kg	3	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
1,1,2-Trichloroethane	ug/Kg	32	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
Tetrachloroethene	ug/Kg	46	8.9	J	#	6.4	U		7.3	U		7	U		7.1	U		7.2	U	
2-Hexanone	ug/Kg	158	13	U		13	U		15	U		14	U		14	U		14	U	
Dibromochloromethane	ug/Kg	420	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
1,2-Dibromoethane	ug/Kg	0.28	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
Chlorobenzene	ug/Kg	1360	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
Ethylbenzene	ug/Kg	5400	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
o-Xylene	ug/Kg	3800	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
m,p-Xylene	ug/Kg	3600	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
Styrene	ug/Kg	2200	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
Bromoform	ug/Kg	420	6.5	R		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
Isopropylbenzene	ug/Kg	12800	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	6.5	U		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.5	R		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
1,4-Dichlorobenzene	ug/Kg	1440	6.5	R		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
1,2-Dichlorobenzene	ug/Kg	11600	6.5	R		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.5	R		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.5	R		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
1,2,3-Trichlorobenzene	ug/Kg	300	6.5	R		6.4	U		7.3	U		7	U		7.1	U		7.2	U	
Semi-Volatile Organic Compounds																				

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		Sample Code	ESSB-04-A		ESSB-04-B		ESSB-04-C		ESSB-04-D		ESSB-05-A		ESSB-05-B	
		Location	ESSB-04		ESSB-04		ESSB-04		ESSB-04		ESSB-05		ESSB-05	
		Sample Date	11/13/2007		11/20/2007		11/20/2007		11/20/2007		11/20/2007		11/20/2007	
		Depth	0 to 1 ft		9 to 11 ft		21 to 23 ft		52 to 54 ft		2 to 4 ft		5 to 7 ft	
Benzaldehyde	ug/Kg	6600	230	U	240	UJ	260	UJ	260	U	230	U	250	U
Phenol	ug/Kg	52000	230	U	240	UJ	260	UJ	260	U	230	U	250	U
bis(2-Chloroethyl) ether	ug/Kg	0.06	230	U	240	UJ	260	U	260	U	230	U	250	U
2-Chlorophenol	ug/Kg	1140	230	U	240	UJ	260	UJ	260	U	230	U	250	U
2-Methylphenol	ug/Kg	11600	230	U	240	UJ	260	UJ	260	U	230	U	250	U
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	230	U	240	UJ	260	U	260	U	230	U	250	U
Acetophenone	ug/Kg	9000	230	U	240	UJ	260	U	260	U	230	U	250	U
4-Methylphenol	ug/Kg	22000	230	U	240	UJ	260	UJ	260	U	230	U	250	U
n-Nitroso-di-n-propylamine	ug/Kg	0.14	230	U	240	UJ	260	U	260	U	230	U	250	U
Hexachloroethane	ug/Kg	9.6	230	U	240	UJ	260	U	260	U	230	U	250	U
Nitrobenzene	ug/Kg	1.58	230	U	240	UJ	260	U	260	U	230	U	250	U
Isophorone	ug/Kg	440	230	U	240	UJ	260	U	260	U	230	U	250	U
2-Nitrophenol	ug/Kg	N/A	230	U	240	UJ	260	U	260	U	230	U	250	U
2,4-Dimethylphenol	ug/Kg	6400	230	U	240	UJ	260	UJ	260	U	230	U	250	U
bis(2-Chloroethoxy)methane	ug/Kg	220	230	U	240	UJ	260	U	260	U	230	U	250	U
2,4-Dichlorophenol	ug/Kg	820	230	U	240	UJ	260	UJ	260	U	230	U	250	U
Naphthalene	ug/Kg	9.4	230	U	240	UJ	260	UJ	260	U	230	U	250	U
4-Chloroaniline	ug/Kg	2.6	230	U	240	UJ	260	UJ	260	U	230	U	250	U
Hexachlorobutadiene	ug/Kg	10	230	U	240	UJ	260	UJ	260	U	230	U	250	U
Caprolactam	ug/Kg	38000	230	U	240	UJ	260	UJ	260	U	230	U	250	UJ
4-Chloro-3-methylphenol	ug/Kg	26000	230	U	240	UJ	260	UJ	260	U	230	U	250	U
2-Methylnaphthalene	ug/Kg	2800	230	U	240	UJ	260	UJ	260	U	230	U	250	U
Hexachlorocyclopentadiene	ug/Kg	3200	230	U	240	UJ	260	UJ	260	U	230	U	250	U
2,4,6-Trichlorophenol	ug/Kg	260	230	U	240	UJ	260	UJ	260	U	230	U	250	U
2,4,5-Trichlorophenol	ug/Kg	66000	230	U	240	UJ	260	UJ	260	U	230	U	250	U
1,1'-Biphenyl	ug/Kg	174	230	U	240	UJ	260	UJ	260	U	230	U	250	UJ
2-Chloronaphthalene	ug/Kg	58000	230	U	240	UJ	260	UJ	260	U	230	U	250	U
2-Nitroaniline	ug/Kg	1240	440	U	460	UJ	500	U	510	U	440	U	480	U

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		Sample Code	ESSB-04-A			ESSB-04-B			ESSB-04-C			ESSB-04-D			ESSB-05-A			ESSB-05-B		
		Location	ESSB-04			ESSB-04			ESSB-04			ESSB-04			ESSB-05			ESSB-05		
		Sample Date	11/13/2007			11/20/2007			11/20/2007			11/20/2007			11/20/2007			11/20/2007		
		Depth	0 to 1 ft			9 to 11 ft			21 to 23 ft			52 to 54 ft			2 to 4 ft			5 to 7 ft		
Dimethylphthalate	ug/Kg	N/A	230	U		240	UJ		260	UJ		260	U		230	U		250	UJ	
2,6-Dinitrotoluene	ug/Kg	400	230	U		240	UJ		260	U		260	U		230	U		250	U	
Acenaphthylene	ug/Kg	N/A	230	U		240	UJ		260	UJ		260	U		230	U		250	U	
3-Nitroaniline	ug/Kg	N/A	440	U		460	UJ		500	U		510	U		440	U		480	U	
Acenaphthene	ug/Kg	82000	230	U		240	UJ		260	UJ		260	U		230	U		250	U	
2,4-Dinitrophenol	ug/Kg	680	440	U		460	UJ		500	U		510	U		440	U		480	U	
4-Nitrophenol	ug/Kg	N/A	440	U		460	UJ		500	U		510	U		440	U		480	U	
Dibenzofuran	ug/Kg	N/A	230	U		240	UJ		260	UJ		260	U		230	U		250	UJ	
2,4-Dinitrotoluene	ug/Kg	5.6	230	U		240	UJ		260	U		260	U		230	U		250	U	
Diethylphthalate	ug/Kg	94000	230	U		240	UJ		260	UJ		260	U		230	U		250	UJ	
Fluorene	ug/Kg	80000	230	U		240	UJ		260	UJ		260	U		230	U		250	UJ	
4-Chlorophenyl-phenylether	ug/Kg	N/A	230	U		240	UJ		260	UJ		260	U		230	U		250	UJ	
4-Nitroaniline	ug/Kg	28	440	U		460	UJ		500	U		510	U		440	U		480	U	
4,6-Dinitro-2-methylphenol	ug/Kg	40	440	U		460	UJ		500	U		510	U		440	U		480	U	
n-Nitrosodiphenylamine	ug/Kg	1140	230	U		240	UJ		260	U		260	U		230	U		250	U	
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	230	U		240	UJ		260	UJ		260	U		230	U		250	U	
4-Bromophenyl-phenylether	ug/Kg	N/A	230	U		240	UJ		260	UJ		260	U		230	U		250	UJ	
Hexachlorobenzene	ug/Kg	260	230	U		240	UJ		260	UJ		260	U		230	U		250	U	
Atrazine	ug/Kg	38	230	U		240	UJ		260	UJ		260	U		230	U		250	U	
Pentachlorophenol	ug/Kg	200	440	U		460	UJ		500	UJ		510	U		440	U		480	U	
Phenanthrene	ug/Kg	N/A	230	U		240	UJ		260	UJ		260	U		230	U		250	U	
Anthracene	ug/Kg	840000	230	U		240	UJ		260	UJ		260	U		230	U		250	U	
Carbazole	ug/Kg	N/A	230	U		240	UJ		260	UJ		260	U		230	U		250	UJ	
Di-n-butylphthalate	ug/Kg	34000	230	U		240	UJ		260	UJ		260	U		230	U		250	UJ	
Fluoranthene	ug/Kg	230000	230	U		240	UJ		260	UJ		260	UJ		230	U		250	UJ	
Pyrene	ug/Kg	170000	230	U		240	UJ		260	UJ		260	UJ		230	U		250	UJ	
Butylbenzylphthalate	ug/Kg	4000	97	J	#	240	UJ		260	UJ		260	U		230	U		250	UJ	
3,3'-Dichlorobenzidine	ug/Kg	14.2	230	U		240	UJ		260	UJ		260	U		230	U		250	U	

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		Sample Code	ESSB-04-A			ESSB-04-B			ESSB-04-C			ESSB-04-D			ESSB-05-A			ESSB-05-B		
		Location	ESSB-04			ESSB-04			ESSB-04			ESSB-04			ESSB-05			ESSB-05		
		Sample Date	11/13/2007			11/20/2007			11/20/2007			11/20/2007			11/20/2007			11/20/2007		
		Depth	0 to 1 ft			9 to 11 ft			21 to 23 ft			52 to 54 ft			2 to 4 ft			5 to 7 ft		
Benzo(a)anthracene	ug/Kg	150	230	U		240	UJ		260	UJ		260	UJ		230	U		250	UJ	
Chrysene	ug/Kg	15000	230	U		240	UJ		260	UJ		260	UJ		230	U		250	UJ	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	230	U		240	UJ		260	UJ		260	U		68	J	#	250	UJ	
Di-n-octylphthalate	ug/Kg	N/A	230	U		240	U		260	U		260	U		230	U		250	U	
Benzo(b)fluoranthene	ug/Kg	150	230	U		240	UJ		260	UJ		260	UJ		230	U		250	UJ	
Benzo(k)fluoranthene	ug/Kg	1500	230	U		240	UJ		260	UJ		260	UJ		230	U		250	UJ	
Benzo(a)pyrene	ug/Kg	15	230	U		240	UJ		260	UJ		260	UJ		230	U		250	UJ	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	230	U		240	UJ		260	UJ		260	UJ		230	U		250	UJ	
Dibenz(a,h)anthracene	ug/Kg	15	230	U		240	UJ		260	UJ		260	UJ		230	U		250	UJ	
Benzo(g,h,i)perylene	ug/Kg	N/A	230	U		240	UJ		260	UJ		260	UJ		230	U		250	UJ	
Chlorophenols	ug/Kg	22000	230	U		240	UJ		260	UJ		260	U		230	U		250	U	
PCBs																				
Aroclor-1016	ug/Kg	390	44	R		46	R		50	R		51	R		44	R		48	R	
Aroclor-1221	ug/Kg	1.48	44	R		46	R		50	R		51	R		44	R		48	R	
Aroclor-1232	ug/Kg	1.48	44	R		46	R		50	R		51	R		44	R		48	R	
Aroclor-1242	ug/Kg	106	44	R		46	R		50	R		51	R		44	R		48	R	
Aroclor-1248	ug/Kg	104	44	R		46	R		50	R		51	R		44	R		48	R	
Aroclor-1254	ug/Kg	110	44	R		46	R		50	R		51	R		44	R		48	R	
Aroclor-1260	ug/Kg	220	44	R		46	R		50	R		51	R		44	R		48	R	
Aroclor-1262	ug/Kg	220	44	R		46	R		50	R		51	R		44	R		48	R	
Aroclor-1268	ug/Kg	220	44	R		46	R		50	R		51	R		44	R		48	R	
Pesticides																				
alpha-BHC	ug/Kg	0.72	2.3	U		2.4	U		2.6	U		2.6	U		2.3	U		2.5	U	
beta-BHC	ug/Kg	2.6	2.3	U		2.4	U		2.6	U		2.6	U		2.3	U		2.5	U	
delta-BHC	ug/Kg	N/A	2.3	U		2.4	U		2.6	U		2.6	U		2.3	U		2.5	U	
gamma-BHC (Lindane)	ug/Kg	24	2.3	U		2.4	U		2.6	U		2.6	U		2.3	U		2.5	U	

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		Sample Code	ESSB-04-A			ESSB-04-B			ESSB-04-C			ESSB-04-D			ESSB-05-A			ESSB-05-B		
		Location	ESSB-04			ESSB-04			ESSB-04			ESSB-04			ESSB-05			ESSB-05		
		Sample Date	11/13/2007			11/20/2007			11/20/2007			11/20/2007			11/20/2007			11/20/2007		
		Depth	0 to 1 ft			9 to 11 ft			21 to 23 ft			52 to 54 ft			2 to 4 ft			5 to 7 ft		
Heptachlor	ug/Kg	110	2.3	U		2.4	U		2.6	U		2.6	U		2.3	U		2.5	U	
Aldrin	ug/Kg	0.68	2.3	U		2.4	U		2.6	U		2.6	U		2.3	U		2.5	U	
Heptachlor epoxide	ug/Kg	53	2.3	U		2.4	U		2.6	U		2.6	U		2.3	U		2.5	U	
Endosulfan I	ug/Kg	22000	2.3	U		2.4	U		2.6	U		2.6	U		2.3	U		2.5	U	
Dieldrin	ug/Kg	1.22	4.4	U		4.6	U		5	U		5.1	U		4.4	U		4.8	U	
4,4'-DDE	ug/Kg	920	5.3		#	4.6	U		5	U		5.1	U		98		#	4.8	U	
Endrin	ug/Kg	1620	4.4	U		4.6	U		5	U		5.1	U		4.4	U		4.8	U	
Endosulfan II	ug/Kg	22000	4.4	U		4.6	U		6.7		#	5.1	U		4.4	U		4.8	U	
4,4'-DDD	ug/Kg	1320	4.4	U		4.6	U		5	U		5.1	U		4.4	U		4.8	U	
Endosulfan sulfate	ug/Kg	22000	4.4	U		4.6	U		5	U		5.1	U		4.4	U		4.8	U	
4,4'-DDT	ug/Kg	1340	4.4	U		4.6	U		5	U		5.1	U		110		#	10		#
Methoxychlor	ug/Kg	31000	23	U		24	U		26	U		26	U		23	U		25	U	
Endrin ketone	ug/Kg	1620	4.4	U		4.6	U		5	U		5.1	U		4.4	U		4.8	U	
Endrin aldehyde	ug/Kg	1620	4.4	U		4.6	U		5	U		5.1	U		4.4	U		4.8	U	
alpha-Chlordane	ug/Kg	1600	2.3	U		2.4	U		2.6	U		2.6	U		14		#	2.5	U	
gamma-Chlordane	ug/Kg	1600	2.3	U		2.4	U		2.6	U		2.6	U		6.3		#	2.5	U	
Toxaphene	ug/Kg	440	230	U		240	U		260	U		260	U		230	U		250	U	
Inorganic Analytes																				
Aluminum	mg/kg	7700	6010		#	5410		#	**12200**		A	**13300**		A	**9440**		A	**10000**		A
Antimony	mg/kg	3.1	2	U		2.2	U		2.3	U		2.3	U		1.9	U		2.2	U	
Arsenic	mg/kg	0.39	**6.8**		A	1.4	U		1.5	U		1.6	U		**8.9**		A	**0.67**	J	A
Barium	mg/kg	1500	87.9		#	63.1		#	199		#	251		#	144		#	41.4		#
Beryllium	mg/kg	16	0.67	U		0.72	U		0.83		#	0.78	U		0.65	U		0.74	U	
Cadmium	mg/kg	7	0.67	U		0.72	U		0.75	U		0.78	U		0.65	U		0.74	U	
Calcium	mg/kg	N/A	3460		~	753		~	472	J	~	626	J	~	4590		~	800		~
Chromium	mg/kg	0.29	**15.1**	J	A	**12.9**	J	A	**8.4**	J	A	**10.7**	J	A	**23.5**	J	A	**21.4**	J	A
Cobalt	mg/kg	2.3	**21.7**		A	7.2	U		**44.9**		A	**22.9**		A	**27.3**		A	**58.3**		A

Esso - Soil Sample Results Full Table
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		Sample Code	ESSB-04-A			ESSB-04-B			ESSB-04-C			ESSB-04-D			ESSB-05-A			ESSB-05-B		
		Location	ESSB-04			ESSB-04			ESSB-04			ESSB-04			ESSB-05			ESSB-05		
		Sample Date	11/13/2007			11/20/2007			11/20/2007			11/20/2007			11/20/2007			11/20/2007		
		Depth	0 to 1 ft			9 to 11 ft			21 to 23 ft			52 to 54 ft			2 to 4 ft			5 to 7 ft		
Copper	mg/kg	310	34.3		#	33.4		#	133		#	44.4		#	59.4		#	150		#
Cyanide	mg/kg	4.7	0.36	J	#	3.6	U		3.8	U		3.9	U		0.23	J	#	3.7	U	
Iron	mg/kg	5400	**29900**		A	**32900**		A	**27000**		A	**24500**		A	**41500**		A	**40700**		A
Lead	mg/kg	280	22	J	#	1.4	UJ		1.5	UJ		1.6	UJ		59.9	J	#	1.5	UJ	
Magnesium	mg/kg	N/A	1220		~	501	J	~	5990		~	5990		~	1800		~	2790		~
Manganese	mg/kg	21	**1500**		A	**568**		A	**1250**		A	**896**		A	**3280**		A	**721**		A
Mercury	mg/kg	2	0.45		#	0.2		#	0.15	U		0.16	U		0.66		#	0.15	U	
Nickel	mg/kg	150	4.9	J	#	3.4	J	#	25.9		#	43		#	7.1		#	8.7		#
Potassium	mg/kg	N/A	666	UJ		718	UJ		752	UJ		776	UJ		647	UJ		736	UJ	
Selenium	mg/kg	5.2	4.7	U		5	U		5.3	U		5.4	U		4.5	U		5.2	U	
Silver	mg/kg	12	3	J	#	3.3	J	#	2.8	J	#	2.5	J	#	4.3	J	#	4	J	#
Sodium	mg/kg	N/A	666	U		718	U		752	U		776	U		647	U		736	U	
Thallium	mg/kg	0.08	0.33	U		0.36	U		0.38	U		0.39	U		0.32	UJ		0.36	UJ	
Vanadium	mg/kg	39	**110**		A	**108**		A	**81.2**		A	**68.2**		A	**143**		A	**127**		A
Zinc	mg/kg	2300	90.6		#	19		#	168		#	165		#	225		#	67.8		#
Additional Parameters																				
% GRANULE & LARGER >2 MM	%	N/A							0		~									
% VERY COURSE SAND >1 - 2 MM	%	N/A							2		~									
% COARSE SAND >.5 - 1 MM	%	N/A							4		~									
% MEDIUM SAND >.25 - .5 MM	%	N/A							7		~									
% FINE SAND >.125 - .25 MM	%	N/A							8		~									
% VERY FINE SAND >.0625 - .125 MM	%	N/A							5		~									
% SILT	%	N/A							68		~									
% CLAY & COLLOIDS	%	N/A							6		~									
pH	s.u.	N/A							7		~									
Total Organic Carbon	mg/Kg	N/A							200	J	~									

Notes:

Highlight indicates exceedance

Q - Qualifier

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	Sample Code	ESSB-04-A	ESSB-04-B	ESSB-04-C	ESSB-04-D	ESSB-05-A	ESSB-05-B
	Location	ESSB-04	ESSB-04	ESSB-04	ESSB-04	ESSB-05	ESSB-05
	Sample Date	11/13/2007	11/20/2007	11/20/2007	11/20/2007	11/20/2007	11/20/2007
	Depth	0 to 1 ft	9 to 11 ft	21 to 23 ft	52 to 54 ft	2 to 4 ft	5 to 7 ft

SC - Site Specific Screening Criteria
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

C - Comparisor Flag

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
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		Sample Code	ESSB-05-C			ESSB-05-D			ESSB-06-A			ESSB-06-B			ESSB-06-C			ESSB-06-D		
		Location	ESSB-05			ESSB-05			ESSB-06			ESSB-06			ESSB-06			ESSB-06		
		Sample Date	11/20/2007			11/20/2007			11/26/2007			11/26/2007			11/26/2007			11/26/2007		
		Depth	21 to 23 ft			52 to 54 ft			0 to 1 ft			9 to 11 ft			21 to 23 ft			52 to 54 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
Chloromethane	ug/Kg	980	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
Vinyl Chloride	ug/Kg	13.8	6.6	UJ		6.6	UJ		5	U		6.3	U		7.2	U		6	U	
Bromomethane	ug/Kg	36	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
Chloroethane	ug/Kg	118000	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
Trichlorofluoromethane	ug/Kg	13800	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
1,1-Dichloroethene	ug/Kg	50	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
Acetone	ug/Kg	48000	13	U		13	U		11		#	37		#	13	J	#	7.3	J	#
Carbon Disulfide	ug/Kg	4200	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
Methyl Acetate	ug/Kg	64000	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
Methylene Chloride	ug/Kg	26	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
trans-1,2-Dichloroethene	ug/Kg	580	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
Methyl tert-Butyl Ether	ug/Kg	56	**160**		A	6.6	U		5	U		6.3	U		9.2		#	6	U	
1,1-Dichloroethane	ug/Kg	13.6	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
cis-1,2-Dichloroethene	ug/Kg	420	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
2-Butanone	ug/Kg	20000	13	U		13	U		10	U		13	U		14	U		12	U	
Chlorobromomethane	ug/Kg	420	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
Chloroform	ug/Kg	290	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
Cyclohexane	ug/Kg	117000	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
Carbon Tetrachloride	ug/Kg	38	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
Benzene	ug/Kg	52	24		#	6.6	U		5	U		6.3	U		3.3	J	#	2.4	J	#
1,2-Dichloroethane	ug/Kg	28	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
1,4-Dioxane	ug/Kg	2.8	130	R		130	R		100	R		130	R		140	R		120	R	
Trichloroethene	ug/Kg	36	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	

Esso - Soil Sample Results Full Table
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		Sample Code	ESSB-05-C			ESSB-05-D			ESSB-06-A			ESSB-06-B			ESSB-06-C			ESSB-06-D		
		Location	ESSB-05			ESSB-05			ESSB-06			ESSB-06			ESSB-06			ESSB-06		
		Sample Date	11/20/2007			11/20/2007			11/26/2007			11/26/2007			11/26/2007			11/26/2007		
		Depth	21 to 23 ft			52 to 54 ft			0 to 1 ft			9 to 11 ft			21 to 23 ft			52 to 54 ft		
Metylcyclohexane	ug/Kg	N/A	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
1,2-Dichloropropane	ug/Kg	34	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
Bromodichloromethane	ug/Kg	270	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
cis-1,3-Dichloropropene	ug/Kg	3	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
4-Methyl-2-pentanone	ug/Kg	4600	13	U		13	U		10	U		13	U		14	U		12	U	
Toluene	ug/Kg	13800	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
trans-1,3-Dichloropropene	ug/Kg	3	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
1,1,2-Trichloroethane	ug/Kg	32	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
Tetrachloroethene	ug/Kg	46	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
2-Hexanone	ug/Kg	158	13	U		13	U		10	U		13	U		14	U		12	U	
Dibromochloromethane	ug/Kg	420	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
1,2-Dibromoethane	ug/Kg	0.28	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
Chlorobenzene	ug/Kg	1360	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
Ethylbenzene	ug/Kg	5400	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
o-Xylene	ug/Kg	3800	17		#	6.6	U		5	U		6.3	U		0.52	J	#	6	U	
m,p-Xylene	ug/Kg	3600	83		#	6.6	U		5	U		6.3	U		0.57	J	#	0.69	J	#
Styrene	ug/Kg	2200	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
Bromoform	ug/Kg	420	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
Isopropylbenzene	ug/Kg	12800	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
1,4-Dichlorobenzene	ug/Kg	1440	6.6	U		6.6	U		1.1	J	#	1.1	J	#	1.2	J	#	0.94	J	#
1,2-Dichlorobenzene	ug/Kg	11600	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.6	U		6.6	U		5	UJ		6.3	UJ		7.2	UJ		6	UJ	
1,2,3-Trichlorobenzene	ug/Kg	300	6.6	U		6.6	U		5	U		6.3	U		7.2	U		6	U	
Semi-Volatile Organic Compounds																				

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		Sample Code	ESSB-05-C			ESSB-05-D			ESSB-06-A			ESSB-06-B			ESSB-06-C			ESSB-06-D		
		Location	ESSB-05			ESSB-05			ESSB-06			ESSB-06			ESSB-06			ESSB-06		
		Sample Date	11/20/2007			11/20/2007			11/26/2007			11/26/2007			11/26/2007			11/26/2007		
		Depth	21 to 23 ft			52 to 54 ft			0 to 1 ft			9 to 11 ft			21 to 23 ft			52 to 54 ft		
Benzaldehyde	ug/Kg	6600	250	UJ		250	UJ		190	U		41	J	#	260	U		250	U	
Phenol	ug/Kg	52000	250	UJ		250	UJ		190	U		240	U		260	U		250	U	
bis(2-Chloroethyl) ether	ug/Kg	0.06	250	U		250	UJ		190	U		240	U		260	U		250	U	
2-Chlorophenol	ug/Kg	1140	250	UJ		250	UJ		190	U		240	U		260	U		250	U	
2-Methylphenol	ug/Kg	11600	250	UJ		250	UJ		190	U		240	U		260	U		250	U	
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	250	U		250	UJ		190	U		240	U		260	U		250	U	
Acetophenone	ug/Kg	9000	250	UJ		250	UJ		190	U		360		#	260	U		250	U	
4-Methylphenol	ug/Kg	22000	250	UJ		250	UJ		190	U		240	U		260	U		250	U	
n-Nitroso-di-n-propylamine	ug/Kg	0.14	250	UJ		250	UJ		190	U		240	U		260	U		250	U	
Hexachloroethane	ug/Kg	9.6	250	UJ		250	UJ		190	U		240	U		260	U		250	U	
Nitrobenzene	ug/Kg	1.58	250	UJ		250	UJ		190	U		240	UJ		260	U		250	U	
Isophorone	ug/Kg	440	250	U		250	UJ		190	U		240	U		260	U		250	U	
2-Nitrophenol	ug/Kg	N/A	250	U		250	UJ		190	U		240	U		260	U		250	U	
2,4-Dimethylphenol	ug/Kg	6400	250	UJ		250	UJ		190	U		240	U		260	U		250	U	
bis(2-Chloroethoxy)methane	ug/Kg	220	250	U		250	UJ		190	U		240	U		260	U		250	U	
2,4-Dichlorophenol	ug/Kg	820	250	UJ		250	UJ		190	U		240	U		260	U		250	U	
Naphthalene	ug/Kg	9.4	250	UJ		250	UJ		190	U		240	U		260	U		250	U	
4-Chloroaniline	ug/Kg	2.6	250	U		250	U		190	U		240	U		260	U		250	U	
Hexachlorobutadiene	ug/Kg	10	250	UJ		250	UJ		190	U		240	U		260	U		250	U	
Caprolactam	ug/Kg	38000	250	UJ		250	UJ		190	UJ		240	UJ		260	UJ		250	UJ	
4-Chloro-3-methylphenol	ug/Kg	26000	250	UJ		250	UJ		190	U		240	U		260	U		250	U	
2-Methylnaphthalene	ug/Kg	2800	250	UJ		250	UJ		190	U		240	U		260	U		250	U	
Hexachlorocyclopentadiene	ug/Kg	3200	250	U		250	U		190	U		240	U		260	U		250	U	
2,4,6-Trichlorophenol	ug/Kg	260	250	UJ		250	UJ		190	U		240	U		260	U		250	U	
2,4,5-Trichlorophenol	ug/Kg	66000	250	UJ		250	UJ		190	U		240	U		260	U		250	U	
1,1'-Biphenyl	ug/Kg	174	250	UJ		250	UJ		190	UJ		240	UJ		260	UJ		250	UJ	
2-Chloronaphthalene	ug/Kg	58000	250	UJ		250	UJ		190	U		240	U		260	U		250	U	
2-Nitroaniline	ug/Kg	1240	480	U		480	U		370	U		470	U		510	U		480	U	

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		Sample Code	ESSB-05-C			ESSB-05-D			ESSB-06-A			ESSB-06-B			ESSB-06-C			ESSB-06-D		
		Location	ESSB-05			ESSB-05			ESSB-06			ESSB-06			ESSB-06			ESSB-06		
		Sample Date	11/20/2007			11/20/2007			11/26/2007			11/26/2007			11/26/2007			11/26/2007		
		Depth	21 to 23 ft			52 to 54 ft			0 to 1 ft			9 to 11 ft			21 to 23 ft			52 to 54 ft		
Dimethylphthalate	ug/Kg	N/A	250	UJ		250	UJ		190	UJ		240	UJ		260	UJ		250	UJ	
2,6-Dinitrotoluene	ug/Kg	400	250	UJ		250	UJ		190	U		240	U		260	U		250	U	
Acenaphthylene	ug/Kg	N/A	250	UJ		250	UJ		190	U		240	U		260	U		250	U	
3-Nitroaniline	ug/Kg	N/A	480	U		480	U		370	U		470	U		510	U		480	U	
Acenaphthene	ug/Kg	82000	250	UJ		250	UJ		190	U		240	U		260	U		250	U	
2,4-Dinitrophenol	ug/Kg	680	480	U		480	U		370	U		470	UJ		510	U		480	U	
4-Nitrophenol	ug/Kg	N/A	480	U		480	U		370	U		470	U		510	U		480	U	
Dibenzofuran	ug/Kg	N/A	250	UJ		250	UJ		190	UJ		240	UJ		260	UJ		250	UJ	
2,4-Dinitrotoluene	ug/Kg	5.6	250	UJ		250	UJ		190	U		240	U		260	U		250	U	
Diethylphthalate	ug/Kg	94000	250	UJ		250	UJ		190	UJ		240	UJ		260	UJ		250	UJ	
Fluorene	ug/Kg	80000	250	UJ		250	UJ		190	UJ		240	UJ		260	UJ		250	UJ	
4-Chlorophenyl-phenylether	ug/Kg	N/A	250	UJ		250	UJ		190	UJ		240	UJ		260	UJ		250	UJ	
4-Nitroaniline	ug/Kg	28	480	U		480	U		370	U		470	U		510	U		480	U	
4,6-Dinitro-2-methylphenol	ug/Kg	40	480	U		480	U		370	U		470	U		510	U		480	U	
n-Nitrosodiphenylamine	ug/Kg	1140	250	UJ		250	UJ		190	U		240	U		260	U		250	U	
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	250	UJ		250	UJ		190	U		240	U		260	U		250	U	
4-Bromophenyl-phenylether	ug/Kg	N/A	250	UJ		250	UJ		190	UJ		240	UJ		260	UJ		250	UJ	
Hexachlorobenzene	ug/Kg	260	250	U		250	UJ		190	U		240	U		260	U		250	U	
Atrazine	ug/Kg	38	250	U		250	UJ		190	U		240	U		260	U		250	U	
Pentachlorophenol	ug/Kg	200	480	UJ		480	UJ		370	U		470	U		510	U		480	U	
Phenanthrene	ug/Kg	N/A	250	U		250	UJ		42	J	~	56	J	~	260	U		250	U	
Anthracene	ug/Kg	840000	250	U		250	UJ		190	U		240	U		260	U		250	U	
Carbazole	ug/Kg	N/A	250	UJ		250	UJ		190	UJ		240	UJ		260	UJ		250	UJ	
Di-n-butylphthalate	ug/Kg	34000	250	UJ		250	UJ		190	UJ		240	UJ		260	UJ		250	UJ	
Fluoranthene	ug/Kg	230000	250	UJ		250	UJ		85	J	#	140	J	#	260	UJ		250	UJ	
Pyrene	ug/Kg	170000	250	UJ		250	UJ		270	J	#	410		#	260	UJ		250	UJ	
Butylbenzylphthalate	ug/Kg	4000	250	UJ		250	UJ		190	UJ		240	UJ		260	UJ		250	UJ	
3,3'-Dichlorobenzidine	ug/Kg	14.2	250	U		250	U		190	U		240	U		260	U		250	U	

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code Location Sample Date Depth	ESSB-05-C ESSB-05 11/20/2007 21 to 23 ft			ESSB-05-D ESSB-05 11/20/2007 52 to 54 ft			ESSB-06-A ESSB-06 11/26/2007 0 to 1 ft			ESSB-06-B ESSB-06 11/26/2007 9 to 11 ft			ESSB-06-C ESSB-06 11/26/2007 21 to 23 ft			ESSB-06-D ESSB-06 11/26/2007 52 to 54 ft		
Benzo(a)anthracene	ug/Kg	150	250	UJ		250	UJ		96	J	#	130	J	#	260	UJ		250	UJ	
Chrysene	ug/Kg	15000	250	UJ		250	UJ		78	J	#	100	J	#	260	UJ		250	UJ	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	250	U		250	UJ		520	UJ		780	UJ		260	UJ		250	UJ	
Di-n-octylphthalate	ug/Kg	N/A	250	UJ		250	U		190	R		240	R		260	UJ		250	UJ	
Benzo(b)fluoranthene	ug/Kg	150	250	UJ		250	UJ		57	J	#	84	J	#	260	UJ		250	UJ	
Benzo(k)fluoranthene	ug/Kg	1500	250	UJ		250	UJ		190	R		240	R		260	UJ		250	UJ	
Benzo(a)pyrene	ug/Kg	15	250	UJ		250	UJ		**43**	J	A	**56**	J	A	260	UJ		250	UJ	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	250	UJ		250	UJ		190	R		240	R		260	UJ		250	UJ	
Dibenz(a,h)anthracene	ug/Kg	15	250	UJ		250	UJ		190	R		240	R		260	UJ		250	UJ	
Benzo(g,h,i)perylene	ug/Kg	N/A	250	UJ		250	UJ		190	R		81	J	~	260	UJ		250	UJ	
Chlorophenols	ug/Kg	22000	250	UJ		250	UJ		190	U		240	U		260	U		250	U	
PCBs																				
Aroclor-1016	ug/Kg	390	48	R		48	R		37	U		47	U		51	U		48	U	
Aroclor-1221	ug/Kg	1.48	48	R		48	R		37	U		47	U		51	U		48	U	
Aroclor-1232	ug/Kg	1.48	48	R		48	R		37	U		47	U		51	U		48	U	
Aroclor-1242	ug/Kg	106	48	R		48	R		37	U		47	U		51	U		48	U	
Aroclor-1248	ug/Kg	104	48	R		48	R		37	U		47	U		51	U		48	U	
Aroclor-1254	ug/Kg	110	48	R		48	R		37	U		47	U		51	U		48	U	
Aroclor-1260	ug/Kg	220	48	R		48	R		37	U		47	U		51	U		48	U	
Aroclor-1262	ug/Kg	220	48	R		48	R		37	U		47	U		51	U		48	U	
Aroclor-1268	ug/Kg	220	48	R		48	R		37	U		47	U		51	U		48	U	
Pesticides																				
alpha-BHC	ug/Kg	0.72	2.5	U		2.5	U		1.9	U		2.4	U		2.6	U		2.5	U	
beta-BHC	ug/Kg	2.6	2.5	U		2.5	U		1.9	U		1.4	J	#	2.6	U		2.5	U	
delta-BHC	ug/Kg	N/A	2.5	U		2.5	U		1.9	U		2.4	U		2.6	U		2.5	U	
gamma-BHC (Lindane)	ug/Kg	24	2.5	U		2.5	U		1.9	U		2.4	U		2.6	U		2.5	U	

Esso - Soil Sample Results Full Table
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		Sample Code	ESSB-05-C			ESSB-05-D			ESSB-06-A			ESSB-06-B			ESSB-06-C			ESSB-06-D		
		Location	ESSB-05			ESSB-05			ESSB-06			ESSB-06			ESSB-06			ESSB-06		
		Sample Date	11/20/2007			11/20/2007			11/26/2007			11/26/2007			11/26/2007			11/26/2007		
		Depth	21 to 23 ft			52 to 54 ft			0 to 1 ft			9 to 11 ft			21 to 23 ft			52 to 54 ft		
Heptachlor	ug/Kg	110	2.5	U		2.5	U		1.9	U		2.4	U		2.6	U		2.5	U	
Aldrin	ug/Kg	0.68	2.5	U		2.5	U		1.9	U		2.4	U		2.6	U		2.5	U	
Heptachlor epoxide	ug/Kg	53	2.5	U		2.5	U		1.9	U		2.4	U		2.6	U		2.5	U	
Endosulfan I	ug/Kg	22000	2.5	U		2.5	U		1.9	U		2.4	U		2.6	U		2.5	U	
Dieldrin	ug/Kg	1.22	4.8	U		4.8	U		3.7	U		4.7	U		5.1	U		4.8	U	
4,4'-DDE	ug/Kg	920	9.7		#	4.8	U		0.76	J	#	4.7	U		5.1	U		4.8	U	
Endrin	ug/Kg	1620	4.8	U		4.8	U		3.7	U		4.7	U		5.1	U		4.8	U	
Endosulfan II	ug/Kg	22000	4.8	U		4.8	U		3.7	U		4.7	U		5.1	U		4.8	U	
4,4'-DDD	ug/Kg	1320	4.8	U		4.8	U		3.7	U		4.7	U		5.1	U		4.8	U	
Endosulfan sulfate	ug/Kg	22000	4.8	U		4.8	U		3.7	U		4.7	U		5.1	U		4.8	U	
4,4'-DDT	ug/Kg	1340	12		#	4.8	U		1.5	J	#	1.5	J	#	5.1	U		4.8	U	
Methoxychlor	ug/Kg	31000	25	U		25	U		19	U		24	U		26	U		25	U	
Endrin ketone	ug/Kg	1620	4.8	U		4.8	U		3.7	U		4.7	U		5.1	U		4.8	U	
Endrin aldehyde	ug/Kg	1620	4.8	U		4.8	U		1	J	#	4.7	U		5.1	U		4.8	U	
alpha-Chlordane	ug/Kg	1600	2.5	U		2.5	U		1.9	U		2.4	U		2.6	U		2.5	U	
gamma-Chlordane	ug/Kg	1600	2.5	U		2.5	U		1.9	U		2.4	U		2.6	U		2.5	U	
Toxaphene	ug/Kg	440	250	U		250	U		190	U		240	U		260	U		250	U	
Inorganic Analytes																				
Aluminum	mg/kg	7700	**11200**		A	**13800**		A	**15000**		A	**21600**		A	**29300**		A	**30700**		A
Antimony	mg/kg	3.1	2.1	U		2.2	U		1.7	U		2.2	U		2.3	U		2.1	U	
Arsenic	mg/kg	0.39	**0.58**	J	A	1.4	U		**1.1**	J	A	1.5	UJ		1.5	UJ		1.4	UJ	
Barium	mg/kg	1500	150		#	219		#	136		#	57.5		#	312		#	479		#
Beryllium	mg/kg	16	0.69	U		0.72	U		0.48	J	#	1		#	2.1		#	0.69	J	#
Cadmium	mg/kg	7	0.69	U		0.72	U		2.3	R		1.1	R		1.3	R		1.5	R	
Calcium	mg/kg	N/A	1060		~	902		~	50700		~	1260		~	892		~	576	J	~
Chromium	mg/kg	0.29	**9.7**	J	A	**18.5**	J	A	**33.5**		A	**30.7**		A	**35.2**		A	**20.9**		A
Cobalt	mg/kg	2.3	**50.8**		A	**28.4**		A	**17.1**	J	A	**40.6**	J	A	**218**	J	A	**51.9**	J	A

Esso - Soil Sample Results Full Table
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		Sample Code Location Sample Date Depth	ESSB-05-C ESSB-05 11/20/2007 21 to 23 ft			ESSB-05-D ESSB-05 11/20/2007 52 to 54 ft			ESSB-06-A ESSB-06 11/26/2007 0 to 1 ft			ESSB-06-B ESSB-06 11/26/2007 9 to 11 ft			ESSB-06-C ESSB-06 11/26/2007 21 to 23 ft			ESSB-06-D ESSB-06 11/26/2007 52 to 54 ft		
Copper	mg/kg	310	221		#	65.4		#	77.3		#	159		#	**440**		A	147		#
Cyanide	mg/kg	4.7	3.5	U		3.6	U		2.9	U		3.7	U		3.8	U		3.5	U	
Iron	mg/kg	5400	**28800**		A	**27700**		A	**33900**	J	A	**54400**	J	A	**54400**	J	A	**44500**	J	A
Lead	mg/kg	280	1.4	UJ		1.4	UJ		234		#	2.5		#	1.2	J	#	1	J	#
Magnesium	mg/kg	N/A	4120		~	8940		~	5310		~	2810		~	8010		~	15400		~
Manganese	mg/kg	21	**1030**		A	**412**		A	1420	R		1140	R		2340	R		1370	R	
Mercury	mg/kg	2	0.14	U		0.14	U		0.41		#	0.14	U		0.15	U		0.14	U	
Nickel	mg/kg	150	22.4		#	34.3		#	44.2		#	18.5		#	45.3		#	61.8		#
Potassium	mg/kg	N/A	694	UJ		723	UJ		1330		~	743	U		766	U		704	U	
Selenium	mg/kg	5.2	4.9	U		5.1	U		4	UJ		5.1	UJ		5.4	UJ		4.9	UJ	
Silver	mg/kg	12	2.9	J	#	2.8	J	#	0.37	J	#	0.55	J	#	0.67	J	#	0.53	J	#
Sodium	mg/kg	N/A	694	U		723	U		581	U		743	U		766	U		704	U	
Thallium	mg/kg	0.08	0.35	UJ		0.36	UJ		0.29	U		0.37	U		0.38	U		0.35	U	
Vanadium	mg/kg	39	**79.2**		A	**74.5**		A	**107**		A	**254**		A	**208**		A	**163**		A
Zinc	mg/kg	2300	128		#	202		#	917		#	68.4		#	236		#	364		#
Additional Parameters																				
% GRANULE & LARGER >2 MM	%	N/A	0		~															
% VERY COURSE SAND >1 - 2 MM	%	N/A	2		~															
% COARSE SAND >.5 - 1 MM	%	N/A	2		~															
% MEDIUM SAND >.25 - .5 MM	%	N/A	4		~															
% FINE SAND >.125 - .25 MM	%	N/A	6		~															
% VERY FINE SAND >.0625 - .125 MM	%	N/A	6		~															
% SILT	%	N/A	58		~															
% CLAY & COLLOIDS	%	N/A	23		~															
pH	s.u.	N/A	7		~															
Total Organic Carbon	mg/Kg	N/A	2600		~															

Notes:
Highlight indicates exceedance

Q - Qualifier

Esso - Soil Sample Results Full Table
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Cidra, Puerto Rico

	Sample Code	ESSB-05-C	ESSB-05-D	ESSB-06-A	ESSB-06-B	ESSB-06-C	ESSB-06-D
	Location	ESSB-05	ESSB-05	ESSB-06	ESSB-06	ESSB-06	ESSB-06
	Sample Date	11/20/2007	11/20/2007	11/26/2007	11/26/2007	11/26/2007	11/26/2007
	Depth	21 to 23 ft	52 to 54 ft	0 to 1 ft	9 to 11 ft	21 to 23 ft	52 to 54 ft

SC - Site Specific Screening Criteria
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

C - Comparisor Flag

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

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		Sample Code	ESSB-07-A			ESSB-07-B			ESSB-08-A			ESSB-08-B			ESSB-08-C			ESSB-08-D		
		Location	ESSB-07			ESSB-07			ESSB-08			ESSB-08			ESSB-08			ESSB-08		
		Sample Date	11/29/2007			11/29/2007			11/26/2007			11/26/2007			11/26/2007			11/26/2007		
		Depth	2 to 4 ft			6 to 8 ft			0 to 1 ft			5 to 7 ft			21 to 23 ft			62 to 64 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	6.3	U		7	U		5.4	U		6.8	U		6.8	U		6.3	U	
Chloromethane	ug/Kg	980	6.3	U		7	U		5.4	U		6.8	U		6.8	U		6.3	U	
Vinyl Chloride	ug/Kg	13.8	6.3	U		7	U		5.4	U		6.8	U		6.8	U		6.3	U	
Bromomethane	ug/Kg	36	6.3	U		7	U		5.4	U		6.8	U		6.8	U		6.3	U	
Chloroethane	ug/Kg	118000	6.3	U		7	U		5.4	U		6.8	U		6.8	U		6.3	U	
Trichlorofluoromethane	ug/Kg	13800	6.3	U		7	U		5.4	U		6.8	U		6.8	U		6.3	U	
1,1-Dichloroethene	ug/Kg	50	6.3	U		7	U		5.4	U		6.8	U		6.8	U		6.3	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.3	U		7	U		5.4	U		6.8	U		6.8	U		6.3	U	
Acetone	ug/Kg	48000	10	J	#	130	U		11	U		55		#	31		#	49		#
Carbon Disulfide	ug/Kg	4200	6.3	U		1.8	J	#	5.4	U		1.5	J	#	6.8	U		6.3	U	
Methyl Acetate	ug/Kg	64000	6.3	U		7	U		5.4	U		6.8	U		6.8	U		6.3	U	
Methylene Chloride	ug/Kg	26	6.3	U		7	U		5.4	U		6.8	U		6.8	U		6.3	U	
trans-1,2-Dichloroethene	ug/Kg	580	6.3	U		7	U		5.4	U		6.8	U		6.8	U		6.3	U	
Methyl tert-Butyl Ether	ug/Kg	56	6.3	U		7	U		5.4	U		6.8	U		6.8	U		**750**		A
1,1-Dichloroethane	ug/Kg	13.6	6.3	U		7	U		5.4	U		6.8	U		6.8	U		6.3	U	
cis-1,2-Dichloroethene	ug/Kg	420	6.3	U		7	U		5.4	U		6.8	U		6.8	U		6.3	U	
2-Butanone	ug/Kg	20000	13	U		19	U		11	U		14	U		14	U		13	U	
Chlorobromomethane	ug/Kg	420	6.3	U		7	U		5.4	U		6.8	U		6.8	U		6.3	U	
Chloroform	ug/Kg	290	6.3	U		7	U		5.4	U		6.8	U		6.8	U		6.3	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.3	U		7	U		5.4	U		6.8	U		6.8	U		6.3	U	
Cyclohexane	ug/Kg	117000	6.3	U		7	U		5.4	U		6.8	U		6.8	U		6.3	U	
Carbon Tetrachloride	ug/Kg	38	6.3	U		7	U		5.4	U		6.8	U		6.8	U		6.3	U	
Benzene	ug/Kg	52	6.3	U		7	U		5.4	U		6.8	U		6.8	U		32		#
1,2-Dichloroethane	ug/Kg	28	6.3	U		7	U		5.4	U		6.8	U		6.8	U		6.3	U	
1,4-Dioxane	ug/Kg	2.8	130	R		140	R		110	R		140	R		140	R		130	R	
Trichloroethene	ug/Kg	36	6.3	U		1.1	J	#	5.4	U		6.8	U		6.8	U		6.3	U	

Esso - Soil Sample Results Full Table
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		Sample Code	ESSB-07-A			ESSB-07-B			ESSB-08-A			ESSB-08-B			ESSB-08-C			ESSB-08-D		
		Location	ESSB-07			ESSB-07			ESSB-08			ESSB-08			ESSB-08			ESSB-08		
		Sample Date	11/29/2007			11/29/2007			11/26/2007			11/26/2007			11/26/2007			11/26/2007		
		Depth	2 to 4 ft			6 to 8 ft			0 to 1 ft			5 to 7 ft			21 to 23 ft			62 to 64 ft		
Metylcyclohexane	ug/Kg	N/A	6.3	U		7	U		5.4	U		6.8	U		6.8	U		6.3	U	
1,2-Dichloropropane	ug/Kg	34	6.3	U		7	U		5.4	U		6.8	U		6.8	U		6.3	U	
Bromodichloromethane	ug/Kg	270	6.3	U		7	U		5.4	U		6.8	U		6.8	U		6.3	U	
cis-1,3-Dichloropropene	ug/Kg	3	6.3	U		2.8	U		5.4	U		6.8	U		6.8	U		6.3	U	
4-Methyl-2-pentanone	ug/Kg	4600	13	U		14	U		11	U		14	U		14	U		13	U	
Toluene	ug/Kg	13800	6.3	U		7	U		5.4	U		6.8	U		6.8	U		6.3	U	
trans-1,3-Dichloropropene	ug/Kg	3	6.3	U		2.8	U		5.4	U		6.8	U		6.8	U		6.3	U	
1,1,2-Trichloroethane	ug/Kg	32	6.3	U		7	U		5.4	U		6.8	U		6.8	U		6.3	U	
Tetrachloroethene	ug/Kg	46	6.3	U		3.6	J	#	5.4	U		6.8	U		6.8	U		6.3	U	
2-Hexanone	ug/Kg	158	13	U		14	U		11	U		14	U		14	U		13	U	
Dibromochloromethane	ug/Kg	420	6.3	U		7	U		5.4	U		6.8	U		6.8	U		6.3	U	
1,2-Dibromoethane	ug/Kg	0.28	6.3	U		7	U		5.4	U		6.8	U		6.8	U		6.3	U	
Chlorobenzene	ug/Kg	1360	6.3	U		7	U		5.4	U		6.8	U		6.8	U		6.3	U	
Ethylbenzene	ug/Kg	5400	6.3	U		7	U		5.4	U		6.8	U		6.8	U		6.3	U	
o-Xylene	ug/Kg	3800	6.3	U		7	U		5.4	U		6.8	U		0.57	J	#	32		#
m,p-Xylene	ug/Kg	3600	6.3	U		7	U		5.4	U		6.8	U		0.69	J	#	21		#
Styrene	ug/Kg	2200	6.3	U		7	U		5.4	U		6.8	U		6.8	U		6.3	U	
Bromoform	ug/Kg	420	6.3	U		7	U		5.4	U		6.8	U		6.8	U		6.3	U	
Isopropylbenzene	ug/Kg	12800	6.3	U		7	U		5.4	U		6.8	U		0.97	J	#	9.1		#
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	6.3	U		2.8	U		5.4	U		6.8	U		6.8	U		6.3	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.3	U		7	U		5.4	U		6.8	U		6.8	U		6.3	U	
1,4-Dichlorobenzene	ug/Kg	1440	6.3	U		7	U		0.77	J	#	0.89	J	#	6.8	U		1.1	J	#
1,2-Dichlorobenzene	ug/Kg	11600	6.3	U		7	U		5.4	U		6.8	U		6.8	U		6.3	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.3	U		7	U		5.4	U		6.8	U		6.8	U		6.3	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.3	U		7	U		5.4	UJ		6.8	UJ		6.8	UJ		6.3	UJ	
1,2,3-Trichlorobenzene	ug/Kg	300	6.3	U		7	U		5.4	U		6.8	U		6.8	U		6.3	U	
Semi-Volatile Organic Compounds																				

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ESSB-07-A		ESSB-07-B		ESSB-08-A		ESSB-08-B		ESSB-08-C		ESSB-08-D	
		Location	ESSB-07		ESSB-07		ESSB-08		ESSB-08		ESSB-08		ESSB-08	
		Sample Date	11/29/2007		11/29/2007		11/26/2007		11/26/2007		11/26/2007		11/26/2007	
		Depth	2 to 4 ft		6 to 8 ft		0 to 1 ft		5 to 7 ft		21 to 23 ft		62 to 64 ft	
Benzaldehyde	ug/Kg	6600	230	UJ	240	UJ	220	U	250	U	250	U	260	U
Phenol	ug/Kg	52000	230	UJ	240	UJ	220	U	250	U	250	U	260	U
bis(2-Chloroethyl) ether	ug/Kg	0.06	230	UJ	240	UJ	220	U	250	U	250	U	260	U
2-Chlorophenol	ug/Kg	1140	230	UJ	240	UJ	220	U	250	U	250	U	260	U
2-Methylphenol	ug/Kg	11600	230	UJ	240	UJ	220	U	250	U	250	U	260	U
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	230	UJ	240	UJ	220	U	250	U	250	U	260	U
Acetophenone	ug/Kg	9000	230	UJ	240	UJ	220	U	250	U	250	U	260	U
4-Methylphenol	ug/Kg	22000	230	UJ	240	UJ	220	U	250	U	250	U	260	U
n-Nitroso-di-n-propylamine	ug/Kg	0.14	230	UJ	240	UJ	220	U	250	U	250	U	260	U
Hexachloroethane	ug/Kg	9.6	230	UJ	240	UJ	220	U	250	U	250	U	260	U
Nitrobenzene	ug/Kg	1.58	230	UJ	240	UJ	220	U	250	U	250	U	260	U
Isophorone	ug/Kg	440	230	UJ	240	UJ	220	U	250	U	250	U	260	U
2-Nitrophenol	ug/Kg	N/A	230	UJ	240	UJ	220	U	250	U	250	U	260	U
2,4-Dimethylphenol	ug/Kg	6400	230	UJ	240	UJ	220	U	250	U	250	U	260	U
bis(2-Chloroethoxy)methane	ug/Kg	220	230	UJ	240	UJ	220	U	250	U	250	U	260	U
2,4-Dichlorophenol	ug/Kg	820	230	UJ	240	UJ	220	U	250	U	250	U	260	U
Naphthalene	ug/Kg	9.4	230	UJ	240	UJ	220	U	250	U	250	U	260	U
4-Chloroaniline	ug/Kg	2.6	230	UJ	240	UJ	220	U	250	U	250	U	260	U
Hexachlorobutadiene	ug/Kg	10	230	UJ	240	UJ	220	U	250	U	250	U	260	U
Caprolactam	ug/Kg	38000	230	UJ	240	UJ	220	UJ	250	UJ	250	UJ	260	UJ
4-Chloro-3-methylphenol	ug/Kg	26000	230	UJ	240	UJ	220	U	250	U	250	U	260	U
2-Methylnaphthalene	ug/Kg	2800	230	UJ	240	UJ	220	U	250	U	250	U	260	U
Hexachlorocyclopentadiene	ug/Kg	3200	230	UJ	240	UJ	220	U	250	U	250	U	260	U
2,4,6-Trichlorophenol	ug/Kg	260	230	UJ	240	UJ	220	U	250	U	250	U	260	U
2,4,5-Trichlorophenol	ug/Kg	66000	230	UJ	240	UJ	220	U	250	U	250	U	260	U
1,1'-Biphenyl	ug/Kg	174	230	UJ	240	UJ	220	UJ	250	UJ	250	UJ	260	UJ
2-Chloronaphthalene	ug/Kg	58000	230	UJ	240	UJ	220	U	250	U	250	U	260	U
2-Nitroaniline	ug/Kg	1240	440	UJ	470	UJ	430	U	480	U	490	U	500	U

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ESSB-07-A			ESSB-07-B			ESSB-08-A			ESSB-08-B			ESSB-08-C			ESSB-08-D		
		Location	ESSB-07			ESSB-07			ESSB-08			ESSB-08			ESSB-08			ESSB-08		
		Sample Date	11/29/2007			11/29/2007			11/26/2007			11/26/2007			11/26/2007			11/26/2007		
		Depth	2 to 4 ft			6 to 8 ft			0 to 1 ft			5 to 7 ft			21 to 23 ft			62 to 64 ft		
Dimethylphthalate	ug/Kg	N/A	230	UJ		240	UJ		220	UJ		250	UJ		250	UJ		260	UJ	
2,6-Dinitrotoluene	ug/Kg	400	230	UJ		240	UJ		220	U		250	U		250	U		260	U	
Acenaphthylene	ug/Kg	N/A	230	UJ		240	UJ		220	U		250	U		250	U		260	U	
3-Nitroaniline	ug/Kg	N/A	440	UJ		470	UJ		430	U		480	U		490	U		500	U	
Acenaphthene	ug/Kg	82000	230	UJ		240	UJ		220	U		250	U		250	U		260	U	
2,4-Dinitrophenol	ug/Kg	680	440	UJ		470	UJ		430	U		480	U		490	U		500	U	
4-Nitrophenol	ug/Kg	N/A	440	UJ		470	UJ		430	U		480	U		490	U		500	U	
Dibenzofuran	ug/Kg	N/A	230	UJ		240	UJ		220	UJ		250	UJ		250	UJ		260	UJ	
2,4-Dinitrotoluene	ug/Kg	5.6	230	UJ		240	UJ		220	U		250	U		250	U		260	U	
Diethylphthalate	ug/Kg	94000	230	UJ		240	UJ		220	UJ		250	UJ		250	UJ		260	UJ	
Fluorene	ug/Kg	80000	230	UJ		240	UJ		220	UJ		250	UJ		250	UJ		260	UJ	
4-Chlorophenyl-phenylether	ug/Kg	N/A	230	UJ		240	UJ		220	UJ		250	UJ		250	UJ		260	UJ	
4-Nitroaniline	ug/Kg	28	440	UJ		470	UJ		430	U		480	U		490	U		500	U	
4,6-Dinitro-2-methylphenol	ug/Kg	40	440	UJ		470	UJ		430	U		480	U		490	U		500	U	
n-Nitrosodiphenylamine	ug/Kg	1140	230	UJ		240	UJ		220	U		250	U		250	U		260	U	
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	230	UJ		240	UJ		220	U		250	U		250	U		260	U	
4-Bromophenyl-phenylether	ug/Kg	N/A	230	UJ		240	UJ		220	UJ		250	UJ		250	UJ		260	UJ	
Hexachlorobenzene	ug/Kg	260	230	UJ		240	UJ		220	U		250	U		250	U		260	U	
Atrazine	ug/Kg	38	230	UJ		240	UJ		220	U		250	U		250	U		260	U	
Pentachlorophenol	ug/Kg	200	440	UJ		470	UJ		430	U		480	U		490	U		500	U	
Phenanthrene	ug/Kg	N/A	230	UJ		240	UJ		220	U		250	U		250	U		260	U	
Anthracene	ug/Kg	840000	230	UJ		240	UJ		220	U		250	U		250	U		260	U	
Carbazole	ug/Kg	N/A	230	UJ		240	UJ		220	UJ		250	UJ		250	UJ		260	UJ	
Di-n-butylphthalate	ug/Kg	34000	230	UJ		240	UJ		220	UJ		250	UJ		250	UJ		260	UJ	
Fluoranthene	ug/Kg	230000	230	UJ		240	UJ		220	UJ		250	UJ		250	UJ		260	UJ	
Pyrene	ug/Kg	170000	75	J	#	240	UJ		220	UJ		250	UJ		250	UJ		260	UJ	
Butylbenzylphthalate	ug/Kg	4000	230	UJ		240	UJ		220	UJ		250	UJ		250	UJ		260	UJ	
3,3'-Dichlorobenzidine	ug/Kg	14.2	230	UJ		240	UJ		220	U		250	U		250	U		260	U	

Esso - Soil Sample Results Full Table
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		Sample Code	ESSB-07-A			ESSB-07-B			ESSB-08-A			ESSB-08-B			ESSB-08-C			ESSB-08-D		
		Location	ESSB-07			ESSB-07			ESSB-08			ESSB-08			ESSB-08			ESSB-08		
		Sample Date	11/29/2007			11/29/2007			11/26/2007			11/26/2007			11/26/2007			11/26/2007		
		Depth	2 to 4 ft			6 to 8 ft			0 to 1 ft			5 to 7 ft			21 to 23 ft			62 to 64 ft		
Benzo(a)anthracene	ug/Kg	150	69	J	#	240	UJ		220	UJ		250	UJ		250	UJ		260	UJ	
Chrysene	ug/Kg	15000	120	J	#	240	UJ		220	UJ		250	UJ		250	UJ		260	UJ	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	230	UJ		240	UJ		220	UJ		250	UJ		250	UJ		470	UJ	
Di-n-octylphthalate	ug/Kg	N/A	230	UJ		240	UJ		220	UJ		250	UJ		250	UJ		260	UJ	
Benzo(b)fluoranthene	ug/Kg	150	150	J	#	240	UJ		220	UJ		250	UJ		250	UJ		260	UJ	
Benzo(k)fluoranthene	ug/Kg	1500	140	J	#	240	UJ		220	UJ		250	UJ		250	UJ		260	UJ	
Benzo(a)pyrene	ug/Kg	15	**89**	J	A	240	UJ		220	UJ		250	UJ		250	UJ		260	UJ	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	91	J	#	240	UJ		220	UJ		250	UJ		250	UJ		260	UJ	
Dibenz(a,h)anthracene	ug/Kg	15	230	UJ		240	UJ		220	UJ		250	UJ		250	UJ		260	UJ	
Benzo(g,h,i)perylene	ug/Kg	N/A	230	UJ		240	UJ		220	UJ		250	UJ		250	UJ		260	UJ	
Chlorophenols	ug/Kg	22000	230	UJ		240	UJ		220	U		250	U		250	U		260	U	
PCBs																				
Aroclor-1016	ug/Kg	390	44	U		46	U		43	U		48	U		49	U		50	U	
Aroclor-1221	ug/Kg	1.48	44	U		46	U		43	U		48	U		49	U		50	U	
Aroclor-1232	ug/Kg	1.48	44	U		46	U		43	U		48	U		49	U		50	U	
Aroclor-1242	ug/Kg	106	44	U		46	U		43	U		48	U		49	U		50	U	
Aroclor-1248	ug/Kg	104	44	U		46	U		43	U		48	U		49	U		50	U	
Aroclor-1254	ug/Kg	110	44	U		46	U		43	U		48	U		49	U		50	U	
Aroclor-1260	ug/Kg	220	44	U		46	U		43	U		48	U		49	U		50	U	
Aroclor-1262	ug/Kg	220	44	U		46	U		43	U		48	U		49	U		50	U	
Aroclor-1268	ug/Kg	220	44	U		46	U		43	U		48	U		49	U		50	U	
Pesticides																				
alpha-BHC	ug/Kg	0.72	2.3	U		2.4	U		2.2	U		2.5	U		2.5	U		2.6	U	
beta-BHC	ug/Kg	2.6	2.3	U		2.4	U		2.2	U		2.5	U		2.5	U		2.6	U	
delta-BHC	ug/Kg	N/A	2.3	U		2.4	U		2.2	U		2.5	U		2.5	U		2.6	U	
gamma-BHC (Lindane)	ug/Kg	24	2.3	U		2.4	U		2.2	U		2.5	U		2.5	U		2.6	U	

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
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		Sample Code	ESSB-07-A			ESSB-07-B			ESSB-08-A			ESSB-08-B			ESSB-08-C			ESSB-08-D		
		Location	ESSB-07			ESSB-07			ESSB-08			ESSB-08			ESSB-08			ESSB-08		
		Sample Date	11/29/2007			11/29/2007			11/26/2007			11/26/2007			11/26/2007			11/26/2007		
		Depth	2 to 4 ft			6 to 8 ft			0 to 1 ft			5 to 7 ft			21 to 23 ft			62 to 64 ft		
Heptachlor	ug/Kg	110	2.3	U		2.4	U		2.2	U		2.5	U		2.5	U		2.6	U	
Aldrin	ug/Kg	0.68	2.3	U		2.4	U		2.2	U		2.5	U		2.5	U		2.6	U	
Heptachlor epoxide	ug/Kg	53	2.3	U		2.4	U		2.2	U		2.5	U		2.5	U		2.6	U	
Endosulfan I	ug/Kg	22000	2.3	U		2.4	U		2.2	U		2.5	U		2.5	U		2.6	U	
Dieldrin	ug/Kg	1.22	4.4	U		4.6	U		4.3	U		4.8	U		4.9	U		5	U	
4,4'-DDE	ug/Kg	920	3.7	J	#	4.6	U		4.3	U		4.8	U		4.9	U		5	U	
Endrin	ug/Kg	1620	4.4	U		4.6	U		4.3	U		4.8	U		4.9	U		5	U	
Endosulfan II	ug/Kg	22000	4.4	U		4.6	U		4.3	U		4.8	U		4.9	U		5	U	
4,4'-DDD	ug/Kg	1320	1.2	J	#	4.6	U		4.3	U		4.8	U		4.9	U		5	U	
Endosulfan sulfate	ug/Kg	22000	4.4	U		4.6	U		4.3	U		4.8	U		4.9	U		5	U	
4,4'-DDT	ug/Kg	1340	4.4	U		4.6	U		4.3	U		4.8	U		4.9	U		5	U	
Methoxychlor	ug/Kg	31000	23	U		24	U		22	U		25	U		25	U		26	U	
Endrin ketone	ug/Kg	1620	4.4	U		4.6	U		4.3	U		4.8	U		4.9	U		5	U	
Endrin aldehyde	ug/Kg	1620	4.4	U		4.6	U		0.99	J	#	4.8	U		4.9	U		5	U	
alpha-Chlordane	ug/Kg	1600	2.3	U		2.4	U		2.2	U		2.5	U		2.5	U		2.6	U	
gamma-Chlordane	ug/Kg	1600	2.3	U		2.4	U		2.2	U		2.5	U		2.5	U		2.6	U	
Toxaphene	ug/Kg	440	230	U		240	U		220	U		250	U		250	U		260	U	
Inorganic Analytes																				
Aluminum	mg/kg	7700	**14500**		A	**15200**		A	**16900**		A	**17500**		A	**26800**		A	**35300**		A
Antimony	mg/kg	3.1	2	U		2.1	U		2	U		2.2	U		2.3	U		2.2	U	
Arsenic	mg/kg	0.39	**6**		A	1.4	U		**0.54**	J	A	1.4	UJ		1.5	UJ		1.4	UJ	
Barium	mg/kg	1500	150		#	28.4	U		115		#	66.4		#	494		#	569		#
Beryllium	mg/kg	16	0.68	U		0.7	U		0.66		#	1.1		#	0.69	J	#	0.78		#
Cadmium	mg/kg	7	0.68	U		0.7	U		1.8	R		2.3	R		1.6	R		2.6	R	
Calcium	mg/kg	N/A	19100		~	1880		~	6510		~	1730		~	343	J	~	1280		~
Chromium	mg/kg	0.29	**37.6**		A	**29.9**		A	**34.7**		A	**39.3**		A	**15.6**		A	**22.2**		A
Cobalt	mg/kg	2.3	**31.8**	J	A	**3.1**	J	A	**31.1**	J	A	**22.8**	J	A	**27.5**	J	A	**38.9**	J	A

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code Location Sample Date Depth	ESSB-07-A ESSB-07 11/29/2007 2 to 4 ft			ESSB-07-B ESSB-07 11/29/2007 6 to 8 ft			ESSB-08-A ESSB-08 11/26/2007 0 to 1 ft			ESSB-08-B ESSB-08 11/26/2007 5 to 7 ft			ESSB-08-C ESSB-08 11/26/2007 21 to 23 ft			ESSB-08-D ESSB-08 11/26/2007 62 to 64 ft		
Copper	mg/kg	310	78.8		#	86.9		#	80.8		#	113		#	103		#	97.1		#
Cyanide	mg/kg	4.7	0.28	J	#	3.5	U		3.3	U		3.6	U		3.8	U		3.7	U	
Iron	mg/kg	5400	**56800**		A	**75500**		A	**45600**	J	A	**67800**	J	A	**47100**	J	A	**53900**	J	A
Lead	mg/kg	280	116	J	#	1.4	UJ		106		#	1.6		#	0.79	J	#	0.79	J	#
Magnesium	mg/kg	N/A	2210	J	~	615	J	~	2420		~	1260		~	15700		~	17900		~
Manganese	mg/kg	21	**3390**	J	A	**422**	J	A	1500	R		642	R		704	R		1210	R	
Mercury	mg/kg	2	0.6		#	0.14	U		0.39		#	0.13	U		0.15	U		0.15	U	
Nickel	mg/kg	150	10.5		#	8.1		#	13.4		#	12.9		#	86.6		#	74.3		#
Potassium	mg/kg	N/A	378	J	~	177	J	~	658	U		724	U		752	U		736	U	
Selenium	mg/kg	5.2	4.8	UJ		4.9	UJ		4.5	UJ		5	UJ		5.3	UJ		5.1	UJ	
Silver	mg/kg	12	5.7	J	#	7.1	J	#	0.66	J	#	0.52	J	#	0.51	J	#	0.72	J	#
Sodium	mg/kg	N/A	285	J	~	702	U		658	U		724	U		752	U		736	U	
Thallium	mg/kg	0.08	0.34	U		0.35	U		0.33	U		0.36	U		0.38	U		0.37	U	
Vanadium	mg/kg	39	**208**		A	**240**		A	**191**		A	**314**		A	**141**		A	**199**		A
Zinc	mg/kg	2300	425		#	34.6		#	347		#	49.5		#	410		#	174		#
Additional Parameters																				
% GRANULE & LARGER >2 MM	%	N/A																		
% VERY COURSE SAND >1 - 2 MM	%	N/A																		
% COARSE SAND >.5 - 1 MM	%	N/A																		
% MEDIUM SAND >.25 - .5 MM	%	N/A																		
% FINE SAND >.125 - .25 MM	%	N/A																		
% VERY FINE SAND >.0625 - .125 MM	%	N/A																		
% SILT	%	N/A																		
% CLAY & COLLOIDS	%	N/A																		
pH	s.u.	N/A																		
Total Organic Carbon	mg/Kg	N/A																		

Notes:
Highlight indicates exceedance

Q - Qualifier

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

	Sample Code	ESSB-07-A	ESSB-07-B	ESSB-08-A	ESSB-08-B	ESSB-08-C	ESSB-08-D
	Location	ESSB-07	ESSB-07	ESSB-08	ESSB-08	ESSB-08	ESSB-08
	Sample Date	11/29/2007	11/29/2007	11/26/2007	11/26/2007	11/26/2007	11/26/2007
	Depth	2 to 4 ft	6 to 8 ft	0 to 1 ft	5 to 7 ft	21 to 23 ft	62 to 64 ft

SC - Site Specific Screening Criteria
C - Comparisor Flag
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

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		Sample Code	ESSB-09-A			ESSB-09-B			ESSB-09-C			ESSB-09-D			ESSB-10-A			ESSB-10-B		
		Location	ESSB-09			ESSB-09			ESSB-09			ESSB-09			ESSB-10			ESSB-10		
		Sample Date	11/28/2007			11/28/2007			11/28/2007			11/28/2007			11/28/2007			11/28/2007		
		Depth	0 to 1 ft			9 to 11 ft			21 to 23 ft			42 to 44 ft			0 to 1 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	5.5	U		6.7	U		0.95	J	#	6.2	U		5.8	U		3200	U	
Chloromethane	ug/Kg	980	5.5	U		6.7	U		7.2	U		6.2	U		5.8	U		3200	U	
Vinyl Chloride	ug/Kg	13.8	5.5	U		6.7	U		7.2	U		6.2	U		5.8	U		3200	U	
Bromomethane	ug/Kg	36	5.5	U		6.7	U		7.2	U		6.2	U		5.8	U		3200	U	
Chloroethane	ug/Kg	118000	5.5	U		6.7	U		7.2	U		6.2	U		5.8	U		3200	U	
Trichlorofluoromethane	ug/Kg	13800	5.5	U		6.7	U		7.2	U		6.2	U		5.8	U		3200	U	
1,1-Dichloroethene	ug/Kg	50	5.5	U		6.7	U		7.2	U		6.2	U		5.8	U		3200	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	5.5	U		6.7	U		7.2	U		6.2	U		5.8	U		3200	U	
Acetone	ug/Kg	48000	120		#	150		#	2000		#	12	U		12	U		6400	U	
Carbon Disulfide	ug/Kg	4200	5.5	U		1.2	J	#	2.6	J	#	6.2	U		5.8	U		3200	U	
Methyl Acetate	ug/Kg	64000	5.5	U		6.7	U		7.2	U		6.2	U		5.8	U		3200	U	
Methylene Chloride	ug/Kg	26	5.5	U		6.7	U		7.2	U		6.2	U		5.8	U		3200	U	
trans-1,2-Dichloroethene	ug/Kg	580	5.5	U		6.7	U		7.2	U		6.2	U		5.8	U		3200	U	
Methyl tert-Butyl Ether	ug/Kg	56	1.1	J	#	0.54	J	#	7.2	U		2.6	J	#	5.8	U		3200	U	
1,1-Dichloroethane	ug/Kg	13.6	5.5	U		6.7	U		7.2	U		6.2	U		5.8	U		3200	U	
cis-1,2-Dichloroethene	ug/Kg	420	5.5	U		6.7	U		7.2	U		6.2	U		5.8	U		3200	U	
2-Butanone	ug/Kg	20000	11	U		13	U		14	U		12	U		12	U		6400	U	
Chlorobromomethane	ug/Kg	420	5.5	U		6.7	U		7.2	U		6.2	U		5.8	U		3200	U	
Chloroform	ug/Kg	290	5.5	U		6.7	U		7.2	U		6.2	U		5.8	U		3200	U	
1,1,1-Trichloroethane	ug/Kg	1400	5.5	U		6.7	U		7.2	U		6.2	U		5.8	U		3200	U	
Cyclohexane	ug/Kg	117000	5.5	U		6.7	U		7.2	U		6.2	U		5.8	U		36000		#
Carbon Tetrachloride	ug/Kg	38	5.5	U		6.7	U		7.2	U		6.2	U		5.8	U		3200	U	
Benzene	ug/Kg	52	0.73	J	#	6.7	U		1.8	J	#	**70**		A	5.8	U		3200	UJ	
1,2-Dichloroethane	ug/Kg	28	5.5	UJ		6.7	UJ		7.2	UJ		6.2	U		5.8	U		3200	U	
1,4-Dioxane	ug/Kg	2.8	110	R		140	R		150	R		130	R		120	R		64000	R	
Trichloroethene	ug/Kg	36	5.5	U		6.7	U		7.2	U		6.2	U		5.8	U		3200	U	

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		Sample Code	ESSB-09-A			ESSB-09-B			ESSB-09-C			ESSB-09-D			ESSB-10-A			ESSB-10-B		
		Location	ESSB-09			ESSB-09			ESSB-09			ESSB-09			ESSB-10			ESSB-10		
		Sample Date	11/28/2007			11/28/2007			11/28/2007			11/28/2007			11/28/2007			11/28/2007		
		Depth	0 to 1 ft			9 to 11 ft			21 to 23 ft			42 to 44 ft			0 to 1 ft			5 to 7 ft		
Metylcyclohexane	ug/Kg	N/A	5.5	U		6.7	U		7.2	U		6.2	U		5.8	U		83000		~
1,2-Dichloropropane	ug/Kg	34	5.5	U		6.7	U		7.2	U		6.2	U		5.8	U		3200	U	
Bromodichloromethane	ug/Kg	270	5.5	U		6.7	U		7.2	U		6.2	U		5.8	U		3200	U	
cis-1,3-Dichloropropene	ug/Kg	3	5.5	U		6.7	U		7.2	U		6.2	U		5.8	U		3200	U	
4-Methyl-2-pentanone	ug/Kg	4600	11	U		13	U		14	U		6.2	U		12	U		6400	U	
Toluene	ug/Kg	13800	5.5	U		6.7	U		7.2	U		6.2	U		5.8	U		3200	U	
trans-1,3-Dichloropropene	ug/Kg	3	5.5	U		6.7	U		7.2	U		6.2	U		5.8	U		3200	U	
1,1,2-Trichloroethane	ug/Kg	32	5.5	U		6.7	U		7.2	U		6.2	U		5.8	U		3200	U	
Tetrachloroethene	ug/Kg	46	5.5	U		6.7	U		7.2	U		6.2	U		5.8	U		3200	U	
2-Hexanone	ug/Kg	158	11	U		13	U		14	U		12	U		12	U		6400	U	
Dibromochloromethane	ug/Kg	420	5.5	U		6.7	U		7.2	U		6.2	U		5.8	U		3200	U	
1,2-Dibromoethane	ug/Kg	0.28	5.5	U		6.7	U		7.2	U		6.2	U		5.8	U		3200	U	
Chlorobenzene	ug/Kg	1360	5.5	U		6.7	U		7.2	U		6.2	U		5.8	U		3200	U	
Ethylbenzene	ug/Kg	5400	5.5	U		6.7	U		7.2	U		8.7		#	5.8	U		**6600**		A
o-Xylene	ug/Kg	3800	5.5	U		6.7	U		7.2	U		2.7	J	#	5.8	U		3200	U	
m,p-Xylene	ug/Kg	3600	0.68	J	#	6.7	U		7.2	U		24		#	5.8	U		3200	U	
Styrene	ug/Kg	2200	5.5	U		6.7	U		7.2	U		6.2	U		5.8	U		3200	U	
Bromoform	ug/Kg	420	5.5	U		6.7	U		7.2	U		6.2	U		5.8	U		3200	U	
Isopropylbenzene	ug/Kg	12800	24		#	6.7	U		7.2	U		2.2	J	#	5.8	U		7200		#
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	5.5	U		6.7	U		7.2	U		6.2	U		5.8	U		3200	U	
1,3-Dichlorobenzene	ug/Kg	N/A	5.5	U		6.7	U		7.2	U		0.54	J	~	5.8	U		3200	U	
1,4-Dichlorobenzene	ug/Kg	1440	1.1	J	#	6.7	U		0.67	J	#	6.2	U		0.54	J	#	3200	U	
1,2-Dichlorobenzene	ug/Kg	11600	5.5	U		6.7	U		7.2	U		6.2	U		5.8	U		3200	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	5.5	U		6.7	U		7.2	U		6.2	U		5.8	U		3200	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	5.5	U		6.7	U		7.2	U		1.8	J	#	5.8	U		3200	U	
1,2,3-Trichlorobenzene	ug/Kg	300	5.5	U		6.7	U		7.2	U		6.2	U		5.8	U		3200	U	
Semi-Volatile Organic Compounds																				

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		Sample Code	ESSB-09-A			ESSB-09-B			ESSB-09-C			ESSB-09-D			ESSB-10-A			ESSB-10-B		
		Location	ESSB-09			ESSB-09			ESSB-09			ESSB-09			ESSB-10			ESSB-10		
		Sample Date	11/28/2007			11/28/2007			11/28/2007			11/28/2007			11/28/2007			11/28/2007		
		Depth	0 to 1 ft			9 to 11 ft			21 to 23 ft			42 to 44 ft			0 to 1 ft			5 to 7 ft		
Benzaldehyde	ug/Kg	6600	230	U		240	U		240	U		250	U		190	U		210	U	
Phenol	ug/Kg	52000	230	U		240	U		240	U		250	U		190	U		210	U	
bis(2-Chloroethyl) ether	ug/Kg	0.06	230	U		240	U		240	U		250	U		190	U		210	U	
2-Chlorophenol	ug/Kg	1140	230	U		240	U		240	U		250	U		190	U		210	U	
2-Methylphenol	ug/Kg	11600	230	U		240	U		240	U		250	U		190	U		210	U	
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	230	U		240	U		240	U		250	U		190	U		210	U	
Acetophenone	ug/Kg	9000	230	U		240	U		240	U		710		#	190	U		210	U	
4-Methylphenol	ug/Kg	22000	230	U		240	U		240	U		250	U		190	U		210	U	
n-Nitroso-di-n-propylamine	ug/Kg	0.14	230	U		240	U		240	U		250	U		190	U		210	U	
Hexachloroethane	ug/Kg	9.6	230	U		240	U		240	U		250	U		190	U		210	U	
Nitrobenzene	ug/Kg	1.58	230	U		240	U		240	U		250	UJ		190	U		210	U	
Isophorone	ug/Kg	440	230	U		240	U		240	U		250	U		190	U		210	U	
2-Nitrophenol	ug/Kg	N/A	230	U		240	U		240	U		250	U		190	U		210	U	
2,4-Dimethylphenol	ug/Kg	6400	230	U		240	U		240	U		250	U		190	U		210	U	
bis(2-Chloroethoxy)methane	ug/Kg	220	230	U		240	U		240	U		250	U		190	U		210	U	
2,4-Dichlorophenol	ug/Kg	820	230	U		240	U		240	U		250	U		190	U		210	U	
Naphthalene	ug/Kg	9.4	230	U		240	U		240	U		250	U		190	U		210	U	
4-Chloroaniline	ug/Kg	2.6	230	U		240	U		240	U		250	U		190	U		210	U	
Hexachlorobutadiene	ug/Kg	10	230	U		240	U		240	U		250	U		190	U		210	U	
Caprolactam	ug/Kg	38000	230	UJ		240	UJ		240	UJ		250	UJ		190	UJ		210	UJ	
4-Chloro-3-methylphenol	ug/Kg	26000	230	U		240	U		240	U		250	U		190	U		210	U	
2-Methylnaphthalene	ug/Kg	2800	230	U		240	U		240	U		250	U		190	U		210	U	
Hexachlorocyclopentadiene	ug/Kg	3200	230	U		240	U		240	U		250	U		190	U		210	U	
2,4,6-Trichlorophenol	ug/Kg	260	230	U		240	U		240	U		250	U		190	U		210	U	
2,4,5-Trichlorophenol	ug/Kg	66000	230	U		240	U		240	U		250	U		190	U		210	U	
1,1'-Biphenyl	ug/Kg	174	230	UJ		240	UJ		240	UJ		250	UJ		190	UJ		210	UJ	
2-Chloronaphthalene	ug/Kg	58000	230	U		240	U		240	U		250	U		190	U		210	U	
2-Nitroaniline	ug/Kg	1240	440	U		470	U		460	U		490	U		370	U		410	U	

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		Sample Code	ESSB-09-A		ESSB-09-B		ESSB-09-C		ESSB-09-D		ESSB-10-A		ESSB-10-B	
		Location	ESSB-09		ESSB-09		ESSB-09		ESSB-09		ESSB-10		ESSB-10	
		Sample Date	11/28/2007		11/28/2007		11/28/2007		11/28/2007		11/28/2007		11/28/2007	
		Depth	0 to 1 ft		9 to 11 ft		21 to 23 ft		42 to 44 ft		0 to 1 ft		5 to 7 ft	
Dimethylphthalate	ug/Kg	N/A	230	UJ	240	UJ	240	UJ	250	UJ	190	UJ	210	UJ
2,6-Dinitrotoluene	ug/Kg	400	230	U	240	U	240	U	250	U	190	U	210	U
Acenaphthylene	ug/Kg	N/A	230	U	240	U	240	U	250	U	190	U	210	U
3-Nitroaniline	ug/Kg	N/A	440	U	470	U	460	U	490	U	370	U	410	U
Acenaphthene	ug/Kg	82000	230	U	240	U	240	U	250	U	190	U	210	U
2,4-Dinitrophenol	ug/Kg	680	440	U	470	U	460	U	490	UJ	370	U	410	U
4-Nitrophenol	ug/Kg	N/A	440	U	470	U	460	U	490	U	370	U	410	U
Dibenzofuran	ug/Kg	N/A	230	UJ	240	UJ	240	UJ	250	UJ	190	UJ	210	UJ
2,4-Dinitrotoluene	ug/Kg	5.6	230	U	240	U	240	U	250	U	190	U	210	U
Diethylphthalate	ug/Kg	94000	230	UJ	240	UJ	240	UJ	250	UJ	190	UJ	210	UJ
Fluorene	ug/Kg	80000	230	UJ	240	UJ	240	UJ	250	UJ	190	UJ	210	UJ
4-Chlorophenyl-phenylether	ug/Kg	N/A	230	UJ	240	UJ	240	UJ	250	UJ	190	UJ	210	UJ
4-Nitroaniline	ug/Kg	28	440	U	470	U	460	U	490	U	370	U	410	U
4,6-Dinitro-2-methylphenol	ug/Kg	40	440	U	470	U	460	U	490	U	370	U	410	U
n-Nitrosodiphenylamine	ug/Kg	1140	230	U	240	U	240	U	250	U	190	U	210	U
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	230	U	240	U	240	U	250	U	190	U	210	U
4-Bromophenyl-phenylether	ug/Kg	N/A	230	UJ	240	UJ	240	UJ	250	UJ	190	UJ	210	UJ
Hexachlorobenzene	ug/Kg	260	230	U	240	U	240	U	250	U	190	U	210	U
Atrazine	ug/Kg	38	230	U	240	U	240	U	250	U	190	U	210	U
Pentachlorophenol	ug/Kg	200	440	U	470	U	460	U	490	U	370	U	410	U
Phenanthrene	ug/Kg	N/A	230	U	240	U	240	U	250	U	190	U	210	U
Anthracene	ug/Kg	840000	230	U	240	U	240	U	250	U	190	U	210	U
Carbazole	ug/Kg	N/A	230	UJ	240	UJ	240	UJ	250	UJ	190	UJ	210	UJ
Di-n-butylphthalate	ug/Kg	34000	230	UJ	240	UJ	240	UJ	250	UJ	190	UJ	210	UJ
Fluoranthene	ug/Kg	230000	230	UJ	240	UJ	240	UJ	250	UJ	190	UJ	210	UJ
Pyrene	ug/Kg	170000	230	UJ	240	UJ	240	UJ	250	UJ	190	UJ	210	UJ
Butylbenzylphthalate	ug/Kg	4000	230	UJ	240	UJ	240	UJ	250	UJ	190	UJ	210	UJ
3,3'-Dichlorobenzidine	ug/Kg	14.2	230	U	240	U	240	U	250	U	190	U	210	U

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		Sample Code	ESSB-09-A			ESSB-09-B			ESSB-09-C			ESSB-09-D			ESSB-10-A			ESSB-10-B		
		Location	ESSB-09			ESSB-09			ESSB-09			ESSB-09			ESSB-10			ESSB-10		
		Sample Date	11/28/2007			11/28/2007			11/28/2007			11/28/2007			11/28/2007			11/28/2007		
		Depth	0 to 1 ft			9 to 11 ft			21 to 23 ft			42 to 44 ft			0 to 1 ft			5 to 7 ft		
Benzo(a)anthracene	ug/Kg	150	230	UJ		240	UJ		240	UJ		250	UJ		190	UJ		210	UJ	
Chrysene	ug/Kg	15000	230	UJ		240	UJ		240	UJ		250	UJ		190	UJ		210	UJ	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	230	UJ		240	UJ		420	UJ		250	UJ		190	UJ		210	UJ	
Di-n-octylphthalate	ug/Kg	N/A	230	UJ		240	UJ		240	UJ		250	UJ		190	UJ		210	UJ	
Benzo(b)fluoranthene	ug/Kg	150	230	UJ		240	UJ		240	UJ		250	UJ		190	UJ		210	UJ	
Benzo(k)fluoranthene	ug/Kg	1500	230	UJ		240	UJ		240	UJ		250	UJ		190	UJ		210	UJ	
Benzo(a)pyrene	ug/Kg	15	230	UJ		240	UJ		240	UJ		250	UJ		190	UJ		210	UJ	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	230	UJ		240	UJ		240	UJ		250	UJ		190	UJ		210	UJ	
Dibenz(a,h)anthracene	ug/Kg	15	230	UJ		240	UJ		240	UJ		250	UJ		190	UJ		210	UJ	
Benzo(g,h,i)perylene	ug/Kg	N/A	230	UJ		240	UJ		240	UJ		250	UJ		190	UJ		210	UJ	
Chlorophenols	ug/Kg	22000	230	U		240	U		240	U		250	U		190	U		210	U	
PCBs																				
Aroclor-1016	ug/Kg	390	44	U		47	U		46	U		49	U		37	U		41	U	
Aroclor-1221	ug/Kg	1.48	44	U		47	U		46	U		49	U		37	U		41	U	
Aroclor-1232	ug/Kg	1.48	44	U		47	U		46	U		49	U		37	U		41	U	
Aroclor-1242	ug/Kg	106	44	U		47	U		46	U		49	U		37	U		41	U	
Aroclor-1248	ug/Kg	104	44	U		47	U		46	U		49	U		37	U		41	U	
Aroclor-1254	ug/Kg	110	44	U		47	U		46	U		49	U		37	U		41	U	
Aroclor-1260	ug/Kg	220	44	U		47	U		46	U		49	U		37	U		41	U	
Aroclor-1262	ug/Kg	220	44	U		47	U		46	U		49	U		37	U		41	U	
Aroclor-1268	ug/Kg	220	44	U		47	U		46	U		49	U		37	U		41	U	
Pesticides																				
alpha-BHC	ug/Kg	0.72	2.3	U		2.4	U		2.4	U		2.5	U		1.9	U		2.1	U	
beta-BHC	ug/Kg	2.6	2.3	U		2.4	U		2.4	U		2.5	U		1.9	U		1.9	J	#
delta-BHC	ug/Kg	N/A	2.3	U		2.4	U		2.4	U		2.5	U		1.9	U		0.44	J	~
gamma-BHC (Lindane)	ug/Kg	24	2.3	U		2.4	U		2.4	U		2.5	U		1.9	U		2.1	U	

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		Sample Code	ESSB-09-A			ESSB-09-B			ESSB-09-C			ESSB-09-D			ESSB-10-A			ESSB-10-B		
		Location	ESSB-09			ESSB-09			ESSB-09			ESSB-09			ESSB-10			ESSB-10		
		Sample Date	11/28/2007			11/28/2007			11/28/2007			11/28/2007			11/28/2007			11/28/2007		
		Depth	0 to 1 ft			9 to 11 ft			21 to 23 ft			42 to 44 ft			0 to 1 ft			5 to 7 ft		
Heptachlor	ug/Kg	110	2.3	U		2.4	U		2.4	U		2.5	U		1.9	U		2.1	U	
Aldrin	ug/Kg	0.68	2.3	U		2.4	U		2.4	U		2.5	U		1.9	U		2.1	U	
Heptachlor epoxide	ug/Kg	53	2.3	U		2.4	U		2.4	U		2.5	U		1.9	U		2.1	U	
Endosulfan I	ug/Kg	22000	2.3	U		2.4	U		2.4	U		2.5	U		1.9	U		2.1	U	
Dieldrin	ug/Kg	1.22	4.4	U		4.7	U		4.6	U		4.9	U		3.7	U		4.1	U	
4,4'-DDE	ug/Kg	920	4.4	U		4.7	U		4.6	U		4.9	U		3.7	U		4.1	U	
Endrin	ug/Kg	1620	4.4	U		4.7	U		4.6	U		4.9	U		3.7	U		4.1	U	
Endosulfan II	ug/Kg	22000	4.4	U		4.7	U		4.6	U		4.9	U		3.7	U		4.1	U	
4,4'-DDD	ug/Kg	1320	4.4	U		4.7	U		4.6	U		4.9	U		3.7	U		4.1	U	
Endosulfan sulfate	ug/Kg	22000	4.4	U		4.7	U		4.6	U		4.9	U		3.7	U		4.1	U	
4,4'-DDT	ug/Kg	1340	4.4	U		4.7	U		4.6	U		4.9	U		3.7	U		4.1	U	
Methoxychlor	ug/Kg	31000	23	U		24	U		24	U		25	U		19	U		21	U	
Endrin ketone	ug/Kg	1620	4.4	U		4.7	U		4.6	U		4.9	U		3.7	U		4.1	U	
Endrin aldehyde	ug/Kg	1620	4.4	U		4.7	U		4.6	U		4.9	U		3.7	U		4.1	U	
alpha-Chlordane	ug/Kg	1600	2.3	U		2.4	U		2.4	U		2.5	U		1.9	U		2.1	U	
gamma-Chlordane	ug/Kg	1600	2.3	U		2.4	U		2.4	U		2.5	U		1.9	U		2.1	U	
Toxaphene	ug/Kg	440	230	U		240	U		240	U		250	U		190	U		210	U	
Inorganic Analytes																				
Aluminum	mg/kg	7700	**16500**		A	**17400**		A	**20900**		A	**31900**		A	**9540**		A	**15000**		A
Antimony	mg/kg	3.1	2	U		2.1	U		2.1	U		2.2	U		1.6	U		2.1	U	
Arsenic	mg/kg	0.39	**0.9**	J	A	1.5	UJ		1.4	UJ		1.4	UJ		1.1	UJ		1.4	UJ	
Barium	mg/kg	1500	209		#	67.3		#	82.7		#	298		#	25.1		#	261		#
Beryllium	mg/kg	16	0.54	J	#	0.79		#	1.2		#	0.85		#	0.19	J	#	0.19	J	#
Cadmium	mg/kg	7	1.6	R		1.6	R		1.7	R		1.8	R		0.55	R		1.6	R	
Calcium	mg/kg	N/A	7680		~	577	J	~	329	J	~	2580		~	25100		~	4750		~
Chromium	mg/kg	0.29	**35.9**		A	**20.6**		A	**38.3**		A	**23.6**		A	**14.4**		A	**14**		A
Cobalt	mg/kg	2.3	**35.2**	J	A	**6.9**	J	A	**54.8**	J	A	**32.7**	J	A	**6.1**	J	A	**45.8**	J	A

Esso - Soil Sample Results Full Table
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		Sample Code	ESSB-09-A			ESSB-09-B			ESSB-09-C			ESSB-09-D			ESSB-10-A			ESSB-10-B		
		Location	ESSB-09			ESSB-09			ESSB-09			ESSB-09			ESSB-10			ESSB-10		
		Sample Date	11/28/2007			11/28/2007			11/28/2007			11/28/2007			11/28/2007			11/28/2007		
		Depth	0 to 1 ft			9 to 11 ft			21 to 23 ft			42 to 44 ft			0 to 1 ft			5 to 7 ft		
Copper	mg/kg	310	78.7		#	84.3		#	168		#	99.4		#	20.8		#	72.7		#
Cyanide	mg/kg	4.7	3.4	U		3.6	U		3.5	U		3.6	U		2.7	U		3.5	U	
Iron	mg/kg	5400	**46500**	J	A	**62400**	J	A	**60700**	J	A	**55400**	J	A	**12000**	J	A	**40200**	J	A
Lead	mg/kg	280	94.8		#	1.9		#	1.2	J	#	0.99	J	#	0.95	J	#	10.3		#
Magnesium	mg/kg	N/A	3970		~	1500		~	3410		~	12900		~	3730		~	1500		~
Manganese	mg/kg	21	2790	R		271	R		747	R		1150	R		255	R		12300	R	
Mercury	mg/kg	2	0.53		#	0.15	U		0.14	U		0.15	U		0.1	U		0.13	U	
Nickel	mg/kg	150	15		#	9.6		#	26.6		#	46.3		#	8.8		#	30.7		#
Potassium	mg/kg	N/A	914		~	726	U		696	U		737	U		270	J	~	320	J	~
Selenium	mg/kg	5.2	4.8	UJ		5.1	UJ		4.9	UJ		5	UJ		3.8	UJ		4.8	UJ	
Silver	mg/kg	12	0.81	J	#	0.84	J	#	0.81	J	#	0.77	J	#	1.1	UJ		1.2	J	#
Sodium	mg/kg	N/A	680	U		726	U		696	U		727	U		597		~	703	U	
Thallium	mg/kg	0.08	0.34	U		0.36	U		0.35	U		0.36	U		0.27	U		0.35	U	
Vanadium	mg/kg	39	**186**		A	**243**		A	**260**		A	**208**		A	38.7		#	**118**		A
Zinc	mg/kg	2300	278		#	35.7		#	127		#	287		#	18.1		#	108		#
Additional Parameters																				
% GRANULE & LARGER >2 MM	%	N/A				0		~												
% VERY COURSE SAND >1 - 2 MM	%	N/A				0		~												
% COARSE SAND >.5 - 1 MM	%	N/A				0		~												
% MEDIUM SAND >.25 - .5 MM	%	N/A				0		~												
% FINE SAND >.125 - .25 MM	%	N/A				1		~												
% VERY FINE SAND >.0625 - .125 MM	%	N/A				1		~												
% SILT	%	N/A				22		~												
% CLAY & COLLOIDS	%	N/A				76		~												
pH	s.u.	N/A				7		~												
Total Organic Carbon	mg/Kg	N/A				4400		~												

Notes:
Highlight indicates exceedance

Q - Qualifier

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	Sample Code	ESSB-09-A	ESSB-09-B	ESSB-09-C	ESSB-09-D	ESSB-10-A	ESSB-10-B
	Location	ESSB-09	ESSB-09	ESSB-09	ESSB-09	ESSB-10	ESSB-10
	Sample Date	11/28/2007	11/28/2007	11/28/2007	11/28/2007	11/28/2007	11/28/2007
	Depth	0 to 1 ft	9 to 11 ft	21 to 23 ft	42 to 44 ft	0 to 1 ft	5 to 7 ft

SC - Site Specific Screening Criteria
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

C - Comparisor Flag

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

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Cidra Groundwater Contamination Site
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		Sample Code	ESSB-10-C			ESSB-10-D			ESSB-11-A			ESSB-11-B			ESSB-11-C			ESSB-11-D		
		Location	ESSB-10			ESSB-10			ESSB-11			ESSB-11			ESSB-11			ESSB-11		
		Sample Date	11/28/2007			11/28/2007			11/28/2007			11/28/2007			11/28/2007			11/28/2007		
		Depth	21 to 23 ft			64 to 66 ft			2 to 4 ft			9 to 11 ft			21 to 24 ft			62 to 64 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	5.9	U		43000	U		6.3	U		6.3	U		7.1	UJ		8.1	UJ	
Chloromethane	ug/Kg	980	5.9	U		43000	U		6.3	U		6.3	U		7.1	UJ		8.1	UJ	
Vinyl Chloride	ug/Kg	13.8	5.9	U		43000	U		6.3	U		6.3	U		7.1	UJ		8.1	UJ	
Bromomethane	ug/Kg	36	5.9	U		43000	U		6.3	U		6.3	U		7.1	UJ		8.1	UJ	
Chloroethane	ug/Kg	118000	5.9	U		43000	U		6.3	U		6.3	U		7.1	UJ		8.1	UJ	
Trichlorofluoromethane	ug/Kg	13800	5.9	U		43000	U		6.3	U		6.3	U		7.1	U		8.1	U	
1,1-Dichloroethene	ug/Kg	50	5.9	U		43000	U		6.3	U		6.3	U		7.1	UJ		8.1	UJ	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	5.9	U		43000	U		6.3	U		6.3	U		7.1	U		8.1	U	
Acetone	ug/Kg	48000	12	U		86000	U		54		#	110		#	14	U		67		#
Carbon Disulfide	ug/Kg	4200	5.9	U		43000	U		6.3	U		6.3	U		7.1	UJ		8.1	UJ	
Methyl Acetate	ug/Kg	64000	5.9	U		43000	U		6.3	U		6.3	U		7.1	U		8.1	U	
Methylene Chloride	ug/Kg	26	5.9	U		43000	U		6.3	U		6.3	U		7.1	U		8.1	U	
trans-1,2-Dichloroethene	ug/Kg	580	5.9	U		43000	U		6.3	U		6.3	U		7.1	UJ		8.1	UJ	
Methyl tert-Butyl Ether	ug/Kg	56	3.2	J	#	43000	U		6.3	U		3.9	J	#	40		#	8.1	U	
1,1-Dichloroethane	ug/Kg	13.6	5.9	U		43000	U		6.3	U		6.3	U		7.1	U		8.1	U	
cis-1,2-Dichloroethene	ug/Kg	420	5.9	U		43000	U		6.3	U		6.3	U		7.1	UJ		8.1	UJ	
2-Butanone	ug/Kg	20000	12	U		86000	U		8.9	J	#	13	U		14	U		16	U	
Chlorobromomethane	ug/Kg	420	5.9	U		43000	U		6.3	U		6.3	U		7.1	U		8.1	U	
Chloroform	ug/Kg	290	5.9	U		43000	U		6.3	U		6.3	U		7.1	U		8.1	U	
1,1,1-Trichloroethane	ug/Kg	1400	5.9	U		43000	U		6.3	U		6.3	U		7.1	U		8.1	U	
Cyclohexane	ug/Kg	117000	5.9	U		43000	U		6.3	U		6.3	U		7.6		#	110		#
Carbon Tetrachloride	ug/Kg	38	5.9	U		43000	U		6.3	U		6.3	U		7.1	U		8.1	U	
Benzene	ug/Kg	52	**79**		A	**23000**	J	A	6.3	U		6.3	U		19		#	**280**		A
1,2-Dichloroethane	ug/Kg	28	5.9	U		43000	U		6.3	U		6.3	U		7.1	UJ		8.1	UJ	
1,4-Dioxane	ug/Kg	2.8	120	R		860000	R		130	R		130	R		140	R		160	R	
Trichloroethene	ug/Kg	36	5.9	U		43000	U		6.3	U		6.3	U		7.1	U		8.1	U	

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
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		Sample Code Location Sample Date Depth	ESSB-10-C ESSB-10 11/28/2007 21 to 23 ft			ESSB-10-D ESSB-10 11/28/2007 64 to 66 ft			ESSB-11-A ESSB-11 11/28/2007 2 to 4 ft			ESSB-11-B ESSB-11 11/28/2007 9 to 11 ft			ESSB-11-C ESSB-11 11/28/2007 21 to 24 ft			ESSB-11-D ESSB-11 11/28/2007 62 to 64 ft		
Metylcyclohexane	ug/Kg	N/A	2.1	J	~	210000		~	6.3	U		6.3	U		3.7	J	~	76		~
1,2-Dichloropropane	ug/Kg	34	5.9	U		43000	U		6.3	U		6.3	U		7.1	U		8.1	U	
Bromodichloromethane	ug/Kg	270	5.9	U		43000	U		6.3	U		6.3	U		7.1	U		8.1	U	
cis-1,3-Dichloropropene	ug/Kg	3	5.9	U		43000	U		6.3	U		6.3	U		7.1	U		8.1	U	
4-Methyl-2-pentanone	ug/Kg	4600	46		#	86000	U		13	U		13	U		14	U		16	U	
Toluene	ug/Kg	13800	5.9	U		**260000**		A	6.3	U		6.3	U		7.1	U		8.1	U	
trans-1,3-Dichloropropene	ug/Kg	3	5.9	U		43000	U		6.3	U		6.3	U		7.1	U		8.1	U	
1,1,2-Trichloroethane	ug/Kg	32	5.9	U		**65000**		A	6.3	U		6.3	U		7.1	U		8.1	U	
Tetrachloroethene	ug/Kg	46	5.9	U		43000	U		6.3	U		6.3	U		7.1	U		8.1	U	
2-Hexanone	ug/Kg	158	12	U		86000	U		13	U		13	U		14	U		130		#
Dibromochloromethane	ug/Kg	420	5.9	U		43000	U		6.3	U		6.3	U		7.1	U		8.1	U	
1,2-Dibromoethane	ug/Kg	0.28	5.9	U		43000	U		6.3	U		6.3	U		7.1	U		8.1	U	
Chlorobenzene	ug/Kg	1360	5.9	U		43000	U		6.3	U		6.3	U		7.1	U		8.1	U	
Ethylbenzene	ug/Kg	5400	5.9	U		**110000**		A	6.3	U		6.3	U		7.1	U		8.1	U	
o-Xylene	ug/Kg	3800	0.66	J	#	**190000**		A	6.3	U		6.3	U		1.6	J	#	8.1	U	
m,p-Xylene	ug/Kg	3600	25		#	**550000**		A	6.3	U		6.3	U		5.8	J	#	57		#
Styrene	ug/Kg	2200	5.9	U		43000	U		6.3	U		6.3	U		7.1	U		8.1	U	
Bromoform	ug/Kg	420	5.9	U		43000	U		6.3	U		6.3	U		7.1	U		8.1	U	
Isopropylbenzene	ug/Kg	12800	2.5	J	#	**14000**	J	A	6.3	U		6.3	U		0.38	J	#	4.6	J	#
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	5.9	U		43000	U		6.3	U		6.3	U		7.1	U		8.1	U	
1,3-Dichlorobenzene	ug/Kg	N/A	5.9	U		43000	U		6.3	U		6.3	U		7.1	U		8.1	U	
1,4-Dichlorobenzene	ug/Kg	1440	5.9	U		43000	U		6.3	U		6.3	U		0.71	J	#	0.74	J	#
1,2-Dichlorobenzene	ug/Kg	11600	5.9	U		43000	U		6.3	U		6.3	U		7.1	U		8.1	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	5.9	U		43000	U		6.3	U		6.3	U		7.1	U		8.1	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	5.9	U		43000	U		6.3	U		6.3	U		7.1	U		8.1	U	
1,2,3-Trichlorobenzene	ug/Kg	300	5.9	U		43000	U		6.3	U		6.3	U		7.1	U		8.1	U	
Semi-Volatile Organic Compounds																				

Esso - Soil Sample Results Full Table
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		Sample Code	ESSB-10-C			ESSB-10-D			ESSB-11-A			ESSB-11-B			ESSB-11-C			ESSB-11-D		
		Location	ESSB-10			ESSB-10			ESSB-11			ESSB-11			ESSB-11			ESSB-11		
		Sample Date	11/28/2007			11/28/2007			11/28/2007			11/28/2007			11/28/2007			11/28/2007		
		Depth	21 to 23 ft			64 to 66 ft			2 to 4 ft			9 to 11 ft			21 to 24 ft			62 to 64 ft		
Benzaldehyde	ug/Kg	6600	210	U		490	U		240	U		250	U		240	U		250	U	
Phenol	ug/Kg	52000	210	U		490	U		240	U		250	U		240	U		250	U	
bis(2-Chloroethyl) ether	ug/Kg	0.06	210	U		490	U		240	U		250	U		240	U		250	U	
2-Chlorophenol	ug/Kg	1140	210	U		490	U		240	U		250	U		240	U		250	U	
2-Methylphenol	ug/Kg	11600	210	U		490	UJ		240	U		250	U		240	U		250	U	
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	210	U		490	U		240	U		250	U		240	U		250	U	
Acetophenone	ug/Kg	9000	210	U		490	U		240	U		250	U		240	U		250	U	
4-Methylphenol	ug/Kg	22000	210	U		490	UJ		240	U		250	U		240	U		250	U	
n-Nitroso-di-n-propylamine	ug/Kg	0.14	210	U		490	U		240	U		250	U		240	U		250	U	
Hexachloroethane	ug/Kg	9.6	210	U		490	U		240	U		250	U		240	U		250	U	
Nitrobenzene	ug/Kg	1.58	210	U		490	U		240	U		250	U		240	U		250	U	
Isophorone	ug/Kg	440	210	U		490	U		240	U		250	U		240	U		250	U	
2-Nitrophenol	ug/Kg	N/A	210	U		490	U		240	U		250	U		240	U		250	U	
2,4-Dimethylphenol	ug/Kg	6400	210	U		490	UJ		240	U		250	U		240	U		250	U	
bis(2-Chloroethoxy)methane	ug/Kg	220	210	U		490	U		240	U		250	U		240	U		250	U	
2,4-Dichlorophenol	ug/Kg	820	210	U		490	UJ		240	U		250	U		240	U		250	U	
Naphthalene	ug/Kg	9.4	210	U		**5800**		A	240	U		250	U		240	U		250	U	
4-Chloroaniline	ug/Kg	2.6	210	U		490	UJ		240	U		250	U		240	U		250	U	
Hexachlorobutadiene	ug/Kg	10	210	U		490	UJ		240	U		250	U		240	U		250	U	
Caprolactam	ug/Kg	38000	210	UJ		490	UJ		240	UJ		250	UJ		240	UJ		250	UJ	
4-Chloro-3-methylphenol	ug/Kg	26000	210	U		490	UJ		240	U		250	U		240	U		250	U	
2-Methylnaphthalene	ug/Kg	2800	210	U		**5400**		A	240	U		250	U		240	U		250	U	
Hexachlorocyclopentadiene	ug/Kg	3200	210	U		490	UJ		240	U		250	U		240	U		250	U	
2,4,6-Trichlorophenol	ug/Kg	260	210	U		490	UJ		240	U		250	U		240	U		250	U	
2,4,5-Trichlorophenol	ug/Kg	66000	210	U		490	UJ		240	U		250	U		240	U		250	U	
1,1'-Biphenyl	ug/Kg	174	210	UJ		490	UJ		240	UJ		250	UJ		240	UJ		250	UJ	
2-Chloronaphthalene	ug/Kg	58000	210	U		490	U		240	U		250	U		240	U		250	U	
2-Nitroaniline	ug/Kg	1240	410	U		960	U		470	U		480	U		470	U		490	U	

Esso - Soil Sample Results Full Table
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		Sample Code	ESSB-10-C		ESSB-10-D		ESSB-11-A		ESSB-11-B		ESSB-11-C		ESSB-11-D	
		Location	ESSB-10		ESSB-10		ESSB-11		ESSB-11		ESSB-11		ESSB-11	
		Sample Date	11/28/2007		11/28/2007		11/28/2007		11/28/2007		11/28/2007		11/28/2007	
		Depth	21 to 23 ft		64 to 66 ft		2 to 4 ft		9 to 11 ft		21 to 24 ft		62 to 64 ft	
Dimethylphthalate	ug/Kg	N/A	210	UJ	490	UJ	240	UJ	250	UJ	240	UJ	250	UJ
2,6-Dinitrotoluene	ug/Kg	400	210	U	490	U	240	U	250	U	240	U	250	U
Acenaphthylene	ug/Kg	N/A	210	U	490	U	240	U	250	U	240	U	250	U
3-Nitroaniline	ug/Kg	N/A	410	U	960	U	470	U	480	U	470	U	490	U
Acenaphthene	ug/Kg	82000	210	U	490	U	240	U	250	U	240	U	250	U
2,4-Dinitrophenol	ug/Kg	680	410	U	960	U	470	U	480	U	470	U	490	U
4-Nitrophenol	ug/Kg	N/A	410	U	960	U	470	U	480	U	470	U	490	U
Dibenzofuran	ug/Kg	N/A	210	UJ	490	UJ	240	UJ	250	UJ	240	UJ	250	UJ
2,4-Dinitrotoluene	ug/Kg	5.6	210	U	490	U	240	U	250	U	240	U	250	U
Diethylphthalate	ug/Kg	94000	210	UJ	490	UJ	240	UJ	250	UJ	240	UJ	250	UJ
Fluorene	ug/Kg	80000	210	UJ	490	UJ	240	UJ	250	UJ	240	UJ	250	UJ
4-Chlorophenyl-phenylether	ug/Kg	N/A	210	UJ	490	UJ	240	UJ	250	UJ	240	UJ	250	UJ
4-Nitroaniline	ug/Kg	28	410	U	960	U	470	U	480	U	470	U	490	U
4,6-Dinitro-2-methylphenol	ug/Kg	40	410	U	960	U	470	U	480	U	470	U	490	U
n-Nitrosodiphenylamine	ug/Kg	1140	210	U	490	U	240	U	250	U	240	U	250	U
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	210	U	490	UJ	240	U	250	U	240	U	250	U
4-Bromophenyl-phenylether	ug/Kg	N/A	210	UJ	490	UJ	240	UJ	250	UJ	240	UJ	250	UJ
Hexachlorobenzene	ug/Kg	260	210	U	490	U	240	U	250	U	240	U	250	U
Atrazine	ug/Kg	38	210	U	490	U	240	U	250	U	240	U	250	U
Pentachlorophenol	ug/Kg	200	410	U	960	UJ	470	U	480	U	470	U	490	U
Phenanthrene	ug/Kg	N/A	210	U	490	U	240	U	250	U	240	U	250	U
Anthracene	ug/Kg	840000	210	U	490	U	240	U	250	U	240	U	250	U
Carbazole	ug/Kg	N/A	210	UJ	490	UJ	240	UJ	250	UJ	240	UJ	250	UJ
Di-n-butylphthalate	ug/Kg	34000	210	UJ	490	UJ	240	UJ	250	UJ	240	UJ	250	UJ
Fluoranthene	ug/Kg	230000	210	UJ	490	UJ	240	UJ	250	UJ	240	UJ	250	UJ
Pyrene	ug/Kg	170000	210	UJ	490	UJ	240	UJ	250	UJ	240	UJ	250	UJ
Butylbenzylphthalate	ug/Kg	4000	210	UJ	490	UJ	240	UJ	250	UJ	240	UJ	250	UJ
3,3'-Dichlorobenzidine	ug/Kg	14.2	210	U	490	UJ	240	U	250	U	240	U	250	U

Esso - Soil Sample Results Full Table
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		Sample Code Location Sample Date Depth	ESSB-10-C ESSB-10 11/28/2007 21 to 23 ft			ESSB-10-D ESSB-10 11/28/2007 64 to 66 ft			ESSB-11-A ESSB-11 11/28/2007 2 to 4 ft			ESSB-11-B ESSB-11 11/28/2007 9 to 11 ft			ESSB-11-C ESSB-11 11/28/2007 21 to 24 ft			ESSB-11-D ESSB-11 11/28/2007 62 to 64 ft		
Benzo(a)anthracene	ug/Kg	150	210	UJ		490	UJ		240	UJ		250	UJ		240	UJ		250	UJ	
Chrysene	ug/Kg	15000	210	UJ		490	UJ		240	UJ		250	UJ		240	UJ		250	UJ	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	210	UJ		490	UJ		240	UJ		250	UJ		240	UJ		250	UJ	
Di-n-octylphthalate	ug/Kg	N/A	210	UJ		490	UJ		52	J	~	250	UJ		240	UJ		250	UJ	
Benzo(b)fluoranthene	ug/Kg	150	210	UJ		490	UJ		240	UJ		250	UJ		240	UJ		250	UJ	
Benzo(k)fluoranthene	ug/Kg	1500	210	UJ		490	UJ		240	UJ		250	UJ		240	UJ		250	UJ	
Benzo(a)pyrene	ug/Kg	15	210	UJ		490	UJ		240	UJ		250	UJ		240	UJ		250	UJ	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	210	UJ		490	UJ		240	UJ		250	UJ		240	UJ		250	UJ	
Dibenz(a,h)anthracene	ug/Kg	15	210	UJ		490	UJ		240	UJ		250	UJ		240	UJ		250	UJ	
Benzo(g,h,i)perylene	ug/Kg	N/A	210	UJ		490	UJ		240	UJ		250	UJ		240	UJ		250	UJ	
Chlorophenols	ug/Kg	22000	210	U		490	UJ		240	U		250	U		240	U		250	U	
PCBs																				
Aroclor-1016	ug/Kg	390	41	U		48	U		47	U		48	U		47	U		49	U	
Aroclor-1221	ug/Kg	1.48	41	U		48	U		47	U		48	U		47	U		49	U	
Aroclor-1232	ug/Kg	1.48	41	U		48	U		47	U		48	U		47	U		49	U	
Aroclor-1242	ug/Kg	106	41	U		48	U		47	U		48	U		47	U		49	U	
Aroclor-1248	ug/Kg	104	41	U		48	U		47	U		48	U		47	U		49	U	
Aroclor-1254	ug/Kg	110	41	U		48	U		47	U		48	U		47	U		49	U	
Aroclor-1260	ug/Kg	220	41	U		48	U		47	U		48	U		47	U		49	U	
Aroclor-1262	ug/Kg	220	41	U		48	U		47	U		48	U		47	U		49	U	
Aroclor-1268	ug/Kg	220	41	U		48	U		47	U		48	U		47	U		49	U	
Pesticides																				
alpha-BHC	ug/Kg	0.72	2.1	U		2.5	U		2.4	U		2.5	U		2.4	U		2.5	U	
beta-BHC	ug/Kg	2.6	2.1	U		2.5	U		2.4	U		2.5	U		2.4	U		2.5	U	
delta-BHC	ug/Kg	N/A	2.1	U		2.5	U		2.4	U		2.5	U		2.4	U		2.5	U	
gamma-BHC (Lindane)	ug/Kg	24	2.1	U		2.5	U		2.4	U		2.5	U		2.4	U		2.5	U	

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		Sample Code	ESSB-10-C			ESSB-10-D			ESSB-11-A			ESSB-11-B			ESSB-11-C			ESSB-11-D		
		Location	ESSB-10			ESSB-10			ESSB-11			ESSB-11			ESSB-11			ESSB-11		
		Sample Date	11/28/2007			11/28/2007			11/28/2007			11/28/2007			11/28/2007			11/28/2007		
		Depth	21 to 23 ft			64 to 66 ft			2 to 4 ft			9 to 11 ft			21 to 24 ft			62 to 64 ft		
Heptachlor	ug/Kg	110	2.1	U		2.5	U		2.4	U		2.5	U		2.4	U		2.5	U	
Aldrin	ug/Kg	0.68	2.1	U		2.5	U		2.4	U		2.5	U		2.4	U		2.5	U	
Heptachlor epoxide	ug/Kg	53	2.1	U		2.5	U		2.4	U		2.5	U		2.4	U		2.5	U	
Endosulfan I	ug/Kg	22000	2.1	U		2.5	U		2	J	#	3.7		#	2.4	U		2.5	U	
Dieldrin	ug/Kg	1.22	4.1	U		4.8	U		4.7	U		4.8	U		4.7	U		4.9	U	
4,4'-DDE	ug/Kg	920	4.1	U		4.8	U		4.7	U		4.8	U		4.7	U		4.9	U	
Endrin	ug/Kg	1620	4.1	U		4.8	U		4.7	U		4.8	U		4.7	U		4.9	U	
Endosulfan II	ug/Kg	22000	4.1	U		4.8	U		4.7	U		4.8	U		4.7	U		4.9	U	
4,4'-DDD	ug/Kg	1320	4.1	U		4.8	U		4.7	U		4.8	U		4.7	U		4.9	U	
Endosulfan sulfate	ug/Kg	22000	4.1	U		4.8	U		4.7	U		4.8	U		4.7	U		4.9	U	
4,4'-DDT	ug/Kg	1340	4.1	U		4.8	U		4.7	U		4.8	U		4.7	U		4.9	U	
Methoxychlor	ug/Kg	31000	21	U		25	U		24	U		25	U		24	U		25	U	
Endrin ketone	ug/Kg	1620	4.1	U		4.8	U		4.7	U		4.8	U		4.7	U		4.9	U	
Endrin aldehyde	ug/Kg	1620	4.1	U		4.8	U		4.7	U		4.8	U		4.7	U		4.9	U	
alpha-Chlordane	ug/Kg	1600	2.1	U		2.5	U		2.4	U		2.5	U		2.4	U		2.5	U	
gamma-Chlordane	ug/Kg	1600	2.1	U		2.5	U		2.4	U		2.5	U		2.4	U		2.5	U	
Toxaphene	ug/Kg	440	210	U		250	U		240	U		250	U		240	U		250	U	
Inorganic Analytes																				
Aluminum	mg/kg	7700	**31000**		A	**28800**		A	**15200**		A	**16900**		A	**18100**		A	**33200**		A
Antimony	mg/kg	3.1	2.3	U		2.2	U		2.2	U		2.2	U		2.1	U		2.2	U	
Arsenic	mg/kg	0.39	1.5	UJ		1.4	UJ		1.4	UJ		1.5	UJ		1.4	UJ		1.5	U	
Barium	mg/kg	1500	342		#	388		#	96.3		#	120		#	53.8		#	460		#
Beryllium	mg/kg	16	0.82		#	0.7	J	#	0.81		#	0.76		#	0.86		#	0.74	U	
Cadmium	mg/kg	7	1.5	R		1.8	R		1.7	R		1.7	R		1.2	R		0.74	U	
Calcium	mg/kg	N/A	2280		~	3020		~	3240		~	760		~	711	U		2500		~
Chromium	mg/kg	0.29	**26.9**		A	**16**		A	**26**		A	**29.8**		A	**30.2**		A	**34.9**		A
Cobalt	mg/kg	2.3	**35.3**	J	A	**28.8**	J	A	**41.2**	J	A	**37.3**	J	A	**33.4**	J	A	**31.1**	J	A

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		Sample Code	ESSB-10-C			ESSB-10-D			ESSB-11-A			ESSB-11-B			ESSB-11-C			ESSB-11-D		
		Location	ESSB-10			ESSB-10			ESSB-11			ESSB-11			ESSB-11			ESSB-11		
		Sample Date	11/28/2007			11/28/2007			11/28/2007			11/28/2007			11/28/2007			11/28/2007		
		Depth	21 to 23 ft			64 to 66 ft			2 to 4 ft			9 to 11 ft			21 to 24 ft			62 to 64 ft		
Copper	mg/kg	310	86.8		#	83.9		#	98.4		#	82.5		#	127		#	89.3		#
Cyanide	mg/kg	4.7	3.9	U		3.6	U		3.6	U		3.6	U		3.6	U		3.7	U	
Iron	mg/kg	5400	**50300**	J	A	**47600**	J	A	**55100**	J	A	**59500**	J	A	**51100**	J	A	**55100**		A
Lead	mg/kg	280	1.2	J	#	0.85	J	#	13.3		#	2.6		#	0.96	J	#	1.5	UJ	
Magnesium	mg/kg	N/A	11500		~	15900		~	2630		~	1630		~	2400		~	12700	J	~
Manganese	mg/kg	21	1550	R		975	R		1520	R		2110	R		314	R		**1020**	J	A
Mercury	mg/kg	2	0.14	U		0.15	U		0.32		#	0.21		#	0.14	U		0.15	U	
Nickel	mg/kg	150	44.9		#	26.4		#	14.2		#	10.4		#	21		#	28.3		#
Potassium	mg/kg	N/A	458	J	~	468	J	~	243	J	~	139	J	~	319	J	~	454	J	~
Selenium	mg/kg	5.2	5.4	UJ		5	UJ		5	UJ		5.1	UJ		5	UJ		5.2	UJ	
Silver	mg/kg	12	0.63	J	#	0.59	J	#	0.7	J	#	0.78	J	#	0.61	J	#	4.9	J	#
Sodium	mg/kg	N/A	774	U		728	U		717	U		726	U		711	U		433	J	~
Thallium	mg/kg	0.08	0.38	U		0.36	U		0.36	U		0.36	U		0.36	U		0.37	U	
Vanadium	mg/kg	39	**179**		A	**162**		A	**245**		A	**268**		A	**196**		A	**184**		A
Zinc	mg/kg	2300	237		#	71.1		#	177		#	45.6		#	64.4		#	70.8		#
Additional Parameters																				
% GRANULE & LARGER >2 MM	%	N/A										0		~						
% VERY COURSE SAND >1 - 2 MM	%	N/A										0		~						
% COARSE SAND >.5 - 1 MM	%	N/A										0		~						
% MEDIUM SAND >.25 - .5 MM	%	N/A										1		~						
% FINE SAND >.125 - .25 MM	%	N/A										2		~						
% VERY FINE SAND >.0625 - .125 MM	%	N/A										2		~						
% SILT	%	N/A										12		~						
% CLAY & COLLOIDS	%	N/A										83		~						
pH	s.u.	N/A										6		~						
Total Organic Carbon	mg/Kg	N/A										5600		~						

Notes:
Highlight indicates exceedance

Q - Qualifier

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	Sample Code	ESSB-10-C	ESSB-10-D	ESSB-11-A	ESSB-11-B	ESSB-11-C	ESSB-11-D
	Location	ESSB-10	ESSB-10	ESSB-11	ESSB-11	ESSB-11	ESSB-11
	Sample Date	11/28/2007	11/28/2007	11/28/2007	11/28/2007	11/28/2007	11/28/2007
	Depth	21 to 23 ft	64 to 66 ft	2 to 4 ft	9 to 11 ft	21 to 24 ft	62 to 64 ft

SC - Site Specific Screening Criteria
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

C - Comparisor Flag

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

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		Sample Code	ESSB-12-A			ESSB-12-B			ESSB-13-A			ESSB-13-B			ESSB-13-C			ESSB-13-D		
		Location	ESSB-12			ESSB-12			ESSB-13			ESSB-13			ESSB-13			ESSB-13		
		Sample Date	11/29/2007			11/29/2007			11/30/2007			11/30/2007			11/30/2007			11/30/2007		
		Depth	0 to 1 ft			6 to 8 ft			2 to 4 ft			9 to 11 ft			21 to 23 ft			59 to 61 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
Chloromethane	ug/Kg	980	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
Vinyl Chloride	ug/Kg	13.8	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
Bromomethane	ug/Kg	36	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
Chloroethane	ug/Kg	118000	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
Trichlorofluoromethane	ug/Kg	13800	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
1,1-Dichloroethene	ug/Kg	50	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
Acetone	ug/Kg	48000	14	U		13	U		12	U		14	U		16	U		15	U	
Carbon Disulfide	ug/Kg	4200	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
Methyl Acetate	ug/Kg	64000	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
Methylene Chloride	ug/Kg	26	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
trans-1,2-Dichloroethene	ug/Kg	580	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
Methyl tert-Butyl Ether	ug/Kg	56	6.8	U		6.3	U		6	U		6.8	U		8.1	U		8.3		#
1,1-Dichloroethane	ug/Kg	13.6	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
cis-1,2-Dichloroethene	ug/Kg	420	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
2-Butanone	ug/Kg	20000	14	U		13	U		12	U		14	U		16	U		15	U	
Chlorobromomethane	ug/Kg	420	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
Chloroform	ug/Kg	290	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
Cyclohexane	ug/Kg	117000	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
Carbon Tetrachloride	ug/Kg	38	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
Benzene	ug/Kg	52	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
1,2-Dichloroethane	ug/Kg	28	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
1,4-Dioxane	ug/Kg	2.8	140	R		130	R		120	R		140	R		160	R		150	R	
Trichloroethene	ug/Kg	36	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	

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		Sample Code	ESSB-12-A			ESSB-12-B			ESSB-13-A			ESSB-13-B			ESSB-13-C			ESSB-13-D		
		Location	ESSB-12			ESSB-12			ESSB-13			ESSB-13			ESSB-13			ESSB-13		
		Sample Date	11/29/2007			11/29/2007			11/30/2007			11/30/2007			11/30/2007			11/30/2007		
		Depth	0 to 1 ft			6 to 8 ft			2 to 4 ft			9 to 11 ft			21 to 23 ft			59 to 61 ft		
Metylcyclohexane	ug/Kg	N/A	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
1,2-Dichloropropane	ug/Kg	34	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
Bromodichloromethane	ug/Kg	270	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
cis-1,3-Dichloropropene	ug/Kg	3	6.8	U		6.3	U		6	UJ		6.8	U		8.1	U		7.5	U	
4-Methyl-2-pentanone	ug/Kg	4600	14	U		13	U		12	U		14	U		16	U		15	U	
Toluene	ug/Kg	13800	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
trans-1,3-Dichloropropene	ug/Kg	3	6.8	U		6.3	U		6	UJ		6.8	U		8.1	U		7.5	U	
1,1,2-Trichloroethane	ug/Kg	32	6.8	U		6.3	U		6	UJ		6.8	U		8.1	U		7.5	U	
Tetrachloroethene	ug/Kg	46	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
2-Hexanone	ug/Kg	158	4.3	J	#	13	U		12	U		14	U		16	U		15	U	
Dibromochloromethane	ug/Kg	420	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
1,2-Dibromoethane	ug/Kg	0.28	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
Chlorobenzene	ug/Kg	1360	6.8	U		6.3	U		6	UJ		6.8	U		8.1	U		7.5	U	
Ethylbenzene	ug/Kg	5400	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
o-Xylene	ug/Kg	3800	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
m,p-Xylene	ug/Kg	3600	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
Styrene	ug/Kg	2200	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
Bromoform	ug/Kg	420	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
Isopropylbenzene	ug/Kg	12800	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.8	U		6.3	U		6	UJ		6.8	U		8.1	U		7.5	U	
1,4-Dichlorobenzene	ug/Kg	1440	6.8	U		6.3	U		6	UJ		6.8	U		8.1	U		7.5	U	
1,2-Dichlorobenzene	ug/Kg	11600	6.8	U		6.3	U		6	UJ		6.8	U		8.1	U		7.5	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.8	U		6.3	U		6	U		6.8	U		8.1	U		7.5	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.8	U		6.3	U		6	UJ		6.8	U		8.1	U		7.5	U	
1,2,3-Trichlorobenzene	ug/Kg	300	6.8	U		6.3	U		6	UJ		6.8	U		8.1	U		7.5	U	
Semi-Volatile Organic Compounds																				

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		Sample Code	ESSB-12-A		ESSB-12-B		ESSB-13-A		ESSB-13-B		ESSB-13-C		ESSB-13-D	
		Location	ESSB-12		ESSB-12		ESSB-13		ESSB-13		ESSB-13		ESSB-13	
		Sample Date	11/29/2007		11/29/2007		11/30/2007		11/30/2007		11/30/2007		11/30/2007	
		Depth	0 to 1 ft		6 to 8 ft		2 to 4 ft		9 to 11 ft		21 to 23 ft		59 to 61 ft	
Benzaldehyde	ug/Kg	6600	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
Phenol	ug/Kg	52000	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
bis(2-Chloroethyl) ether	ug/Kg	0.06	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
2-Chlorophenol	ug/Kg	1140	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
2-Methylphenol	ug/Kg	11600	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
Acetophenone	ug/Kg	9000	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
4-Methylphenol	ug/Kg	22000	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
n-Nitroso-di-n-propylamine	ug/Kg	0.14	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
Hexachloroethane	ug/Kg	9.6	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
Nitrobenzene	ug/Kg	1.58	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
Isophorone	ug/Kg	440	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
2-Nitrophenol	ug/Kg	N/A	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
2,4-Dimethylphenol	ug/Kg	6400	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
bis(2-Chloroethoxy)methane	ug/Kg	220	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
2,4-Dichlorophenol	ug/Kg	820	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
Naphthalene	ug/Kg	9.4	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
4-Chloroaniline	ug/Kg	2.6	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
Hexachlorobutadiene	ug/Kg	10	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
Caprolactam	ug/Kg	38000	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
4-Chloro-3-methylphenol	ug/Kg	26000	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
2-Methylnaphthalene	ug/Kg	2800	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
Hexachlorocyclopentadiene	ug/Kg	3200	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
2,4,6-Trichlorophenol	ug/Kg	260	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
2,4,5-Trichlorophenol	ug/Kg	66000	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
1,1'-Biphenyl	ug/Kg	174	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
2-Chloronaphthalene	ug/Kg	58000	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
2-Nitroaniline	ug/Kg	1240	490	UJ	470	UJ	440	UJ	480	UJ	490	UJ	470	UJ

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		Sample Code	ESSB-12-A		ESSB-12-B		ESSB-13-A		ESSB-13-B		ESSB-13-C		ESSB-13-D	
		Location	ESSB-12		ESSB-12		ESSB-13		ESSB-13		ESSB-13		ESSB-13	
		Sample Date	11/29/2007		11/29/2007		11/30/2007		11/30/2007		11/30/2007		11/30/2007	
		Depth	0 to 1 ft		6 to 8 ft		2 to 4 ft		9 to 11 ft		21 to 23 ft		59 to 61 ft	
Dimethylphthalate	ug/Kg	N/A	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
2,6-Dinitrotoluene	ug/Kg	400	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
Acenaphthylene	ug/Kg	N/A	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
3-Nitroaniline	ug/Kg	N/A	490	UJ	470	UJ	440	UJ	480	UJ	490	UJ	470	UJ
Acenaphthene	ug/Kg	82000	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
2,4-Dinitrophenol	ug/Kg	680	490	UJ	470	UJ	440	UJ	480	UJ	490	UJ	470	UJ
4-Nitrophenol	ug/Kg	N/A	490	UJ	470	UJ	440	UJ	480	UJ	490	UJ	470	UJ
Dibenzofuran	ug/Kg	N/A	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
2,4-Dinitrotoluene	ug/Kg	5.6	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
Diethylphthalate	ug/Kg	94000	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
Fluorene	ug/Kg	80000	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
4-Chlorophenyl-phenylether	ug/Kg	N/A	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
4-Nitroaniline	ug/Kg	28	490	UJ	470	UJ	440	UJ	480	UJ	490	UJ	470	UJ
4,6-Dinitro-2-methylphenol	ug/Kg	40	490	UJ	470	UJ	440	UJ	480	UJ	490	UJ	470	UJ
n-Nitrosodiphenylamine	ug/Kg	1140	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
4-Bromophenyl-phenylether	ug/Kg	N/A	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
Hexachlorobenzene	ug/Kg	260	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
Atrazine	ug/Kg	38	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
Pentachlorophenol	ug/Kg	200	490	UJ	470	UJ	440	UJ	480	UJ	490	UJ	470	UJ
Phenanthrene	ug/Kg	N/A	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
Anthracene	ug/Kg	840000	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
Carbazole	ug/Kg	N/A	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
Di-n-butylphthalate	ug/Kg	34000	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
Fluoranthene	ug/Kg	230000	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
Pyrene	ug/Kg	170000	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
Butylbenzylphthalate	ug/Kg	4000	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
3,3'-Dichlorobenzidine	ug/Kg	14.2	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ

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		Sample Code Location Sample Date Depth	ESSB-12-A ESSB-12 11/29/2007 0 to 1 ft		ESSB-12-B ESSB-12 11/29/2007 6 to 8 ft		ESSB-13-A ESSB-13 11/30/2007 2 to 4 ft		ESSB-13-B ESSB-13 11/30/2007 9 to 11 ft		ESSB-13-C ESSB-13 11/30/2007 21 to 23 ft		ESSB-13-D ESSB-13 11/30/2007 59 to 61 ft	
Benzo(a)anthracene	ug/Kg	150	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
Chrysene	ug/Kg	15000	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
Di-n-octylphthalate	ug/Kg	N/A	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
Benzo(b)fluoranthene	ug/Kg	150	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
Benzo(k)fluoranthene	ug/Kg	1500	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
Benzo(a)pyrene	ug/Kg	15	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
Indeno(1,2,3-cd)pyrene	ug/Kg	150	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
Dibenz(a,h)anthracene	ug/Kg	15	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
Benzo(g,h,i)perylene	ug/Kg	N/A	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
Chlorophenols	ug/Kg	22000	250	UJ	240	UJ	230	UJ	250	UJ	250	UJ	240	UJ
PCBs														
Aroclor-1016	ug/Kg	390	49	U	47	U	44	U	48	U	49	U	47	U
Aroclor-1221	ug/Kg	1.48	49	U	47	U	44	U	48	U	49	U	47	U
Aroclor-1232	ug/Kg	1.48	49	U	47	U	44	U	48	U	49	U	47	U
Aroclor-1242	ug/Kg	106	49	U	47	U	44	U	48	U	49	U	47	U
Aroclor-1248	ug/Kg	104	49	U	47	U	44	U	48	U	49	U	47	U
Aroclor-1254	ug/Kg	110	49	U	47	U	44	U	48	U	49	U	47	U
Aroclor-1260	ug/Kg	220	49	U	47	U	44	U	48	U	49	U	47	U
Aroclor-1262	ug/Kg	220	49	U	47	U	44	U	48	U	49	U	47	U
Aroclor-1268	ug/Kg	220	49	U	47	U	44	U	48	U	49	U	47	U
Pesticides														
alpha-BHC	ug/Kg	0.72	2.5	U	2.4	U	2.3	U	2.5	U	2.5	U	2.4	U
beta-BHC	ug/Kg	2.6	2.5	U	2.4	U	2.3	U	2.5	U	2.5	U	2.4	U
delta-BHC	ug/Kg	N/A	2.5	U	2.4	U	2.3	U	2.5	U	2.5	U	2.4	U
gamma-BHC (Lindane)	ug/Kg	24	2.5	U	2.4	U	2.3	U	2.5	U	2.5	U	2.4	U

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		Sample Code	ESSB-12-A			ESSB-12-B			ESSB-13-A			ESSB-13-B			ESSB-13-C			ESSB-13-D		
		Location	ESSB-12			ESSB-12			ESSB-13			ESSB-13			ESSB-13			ESSB-13		
		Sample Date	11/29/2007			11/29/2007			11/30/2007			11/30/2007			11/30/2007			11/30/2007		
		Depth	0 to 1 ft			6 to 8 ft			2 to 4 ft			9 to 11 ft			21 to 23 ft			59 to 61 ft		
Heptachlor	ug/Kg	110	2.5	U		2.4	U		2.3	U		2.5	U		2.5	U		2.4	U	
Aldrin	ug/Kg	0.68	2.5	U		2.4	U		2.3	U		2.5	U		2.5	U		2.4	U	
Heptachlor epoxide	ug/Kg	53	2.5	U		2.4	U		2.3	U		2.5	U		2.5	U		2.4	U	
Endosulfan I	ug/Kg	22000	2.5	U		1.5	J	#	0.61	J	#	2.5	U		2.5	U		2.4	U	
Dieldrin	ug/Kg	1.22	4.9	U		4.7	U		**1.4**	J	A	4.8	U		4.9	U		4.7	U	
4,4'-DDE	ug/Kg	920	4.9	U		4.7	U		1.3	J	#	4.8	U		4.9	U		4.7	U	
Endrin	ug/Kg	1620	4.9	U		4.7	U		4.4	U		4.8	U		4.9	U		4.7	U	
Endosulfan II	ug/Kg	22000	4.9	U		4.7	U		4.4	U		4.8	U		1.4	J	#	4.7	U	
4,4'-DDD	ug/Kg	1320	4.9	U		4.7	U		4.9		#	4.8	U		4.9	U		4.7	U	
Endosulfan sulfate	ug/Kg	22000	4.9	U		4.7	U		4.4	U		4.8	U		4.9	U		4.7	U	
4,4'-DDT	ug/Kg	1340	4.9	U		4.7	U		630		#	4.8	U		4.9	U		4.7	U	
Methoxychlor	ug/Kg	31000	25	U		24	U		23	U		25	U		25	U		24	U	
Endrin ketone	ug/Kg	1620	4.9	U		4.7	U		4.4	U		4.8	U		4.9	U		4.7	U	
Endrin aldehyde	ug/Kg	1620	4.9	U		4.7	U		0.92	J	#	4.8	U		4.9	U		4.7	U	
alpha-Chlordane	ug/Kg	1600	2.5	U		0.8	J	#	2.3	U		2.5	U		2.5	U		2.4	U	
gamma-Chlordane	ug/Kg	1600	2.5	U		2.4	U		2.7	R		2.5	U		0.67	J	#	2.4	U	
Toxaphene	ug/Kg	440	250	U		240	U		230	U		250	U		250	U		240	U	
Inorganic Analytes																				
Aluminum	mg/kg	7700	**16400**		A	**13600**		A	**11300**		A	**10600**		A	**12400**		A	**19600**		A
Antimony	mg/kg	3.1	2.1	U		2.1	U		8.3	U		8.7	U		8.5	U		8.2	U	
Arsenic	mg/kg	0.39	**4.7**		A	1.4	U		**5.9**		A	1.4	U		1.4	U		1.4	U	
Barium	mg/kg	1500	153		#	87.3		#	58.8		#	214		#	260		#	398		#
Beryllium	mg/kg	16	0.71	U		0.71	U		0.69	U		0.72	U		0.72	U		0.69	U	
Cadmium	mg/kg	7	0.71	U		0.71	U		1.2		#	0.72	U		0.16	J	#	1.6		#
Calcium	mg/kg	N/A	4360		~	2130		~	46500		~	630	J	~	5130		~	3040		~
Chromium	mg/kg	0.29	**29.1**		A	**25.3**		A	**22**		A	**27.9**		A	**19.8**		A	**13.6**		A
Cobalt	mg/kg	2.3	**73.3**	J	A	**29.2**	J	A	**19.6**		A	**36.4**		A	**88.4**		A	**31.4**		A

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		Sample Code	ESSB-12-A			ESSB-12-B			ESSB-13-A			ESSB-13-B			ESSB-13-C			ESSB-13-D		
		Location	ESSB-12			ESSB-12			ESSB-13			ESSB-13			ESSB-13			ESSB-13		
		Sample Date	11/29/2007			11/29/2007			11/30/2007			11/30/2007			11/30/2007			11/30/2007		
		Depth	0 to 1 ft			6 to 8 ft			2 to 4 ft			9 to 11 ft			21 to 23 ft			59 to 61 ft		
Copper	mg/kg	310	101		#	96.8		#	71.9		#	109		#	209		#	90.7		#
Cyanide	mg/kg	4.7	0.24	J	#	3.6	U		0.19	J	#	0.25	J	#	3.6	U		3.5	U	
Iron	mg/kg	5400	**66800**		A	**49800**		A	**45100**		A	**58900**		A	**47000**		A	**41300**		A
Lead	mg/kg	280	21.7	J	#	1.4	UJ		82.6	J	#	1.4	UJ		2.3	J	#	1.4	UJ	
Magnesium	mg/kg	N/A	2220	J	~	1920	J	~	2330		~	1630		~	3750		~	11000		~
Manganese	mg/kg	21	**2810**	J	A	**1240**	J	A	**1190**		A	**1470**		A	**1600**		A	**703**		A
Mercury	mg/kg	2	0.087	J	#	0.078	J	#	0.22		#	0.094	J	#	0.55		#	0.056	J	#
Nickel	mg/kg	150	17.2		#	13		#	8.3		#	10.6		#	21.9		#	43.2		#
Potassium	mg/kg	N/A	253	J	~	220	J	~	297	J	~	181	J	~	341	J	~	529	J	~
Selenium	mg/kg	5.2	5	UJ		5	UJ		4.8	U		5.1	U		5	U		4.8	U	
Silver	mg/kg	12	6.5	J	#	4.7	J	#	4.1	J	#	5.2	J	#	4.3	J	#	3.7	J	#
Sodium	mg/kg	N/A	324	J	~	367	J	~	330	J	~	440	J	~	367	J	~	418	J	~
Thallium	mg/kg	0.08	0.35	U		0.36	U		3.5	U		3.6	U		3.6	U		3.4	U	
Vanadium	mg/kg	39	**244**		A	**202**		A	**164**		A	**215**		A	**147**		A	**116**		A
Zinc	mg/kg	2300	134		#	58.5		#	208		#	54.8		#	112		#	149		#
Additional Parameters																				
% GRANULE & LARGER >2 MM	%	N/A				0		~												
% VERY COURSE SAND >1 - 2 MM	%	N/A				2		~												
% COARSE SAND >.5 - 1 MM	%	N/A				2		~												
% MEDIUM SAND >.25 - .5 MM	%	N/A				2		~												
% FINE SAND >.125 - .25 MM	%	N/A				3		~												
% VERY FINE SAND >.0625 - .125 MM	%	N/A				2		~												
% SILT	%	N/A				16		~												
% CLAY & COLLOIDS	%	N/A				73		~												
pH	s.u.	N/A				7		~												
Total Organic Carbon	mg/Kg	N/A				2400		~												

Notes:

Highlight indicates exceedance

Q - Qualifier

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

	Sample Code	ESSB-12-A	ESSB-12-B	ESSB-13-A	ESSB-13-B	ESSB-13-C	ESSB-13-D
	Location	ESSB-12	ESSB-12	ESSB-13	ESSB-13	ESSB-13	ESSB-13
	Sample Date	11/29/2007	11/29/2007	11/30/2007	11/30/2007	11/30/2007	11/30/2007
	Depth	0 to 1 ft	6 to 8 ft	2 to 4 ft	9 to 11 ft	21 to 23 ft	59 to 61 ft

SC - Site Specific Screening Criteria
C - Comparisor Flag
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ESSB-14-A			ESSB-14-B			ESSB-14-C			ESSB-14-D			ESSB-15-A			ESSB-15-B		
		Location	ESSB-14			ESSB-14			ESSB-14			ESSB-14			ESSB-15			ESSB-15		
		Sample Date	11/29/2007			11/29/2007			11/29/2007			11/29/2007			5/27/2010			5/27/2010		
		Depth	0 to 1 ft			9 to 11 ft			21 to 23 ft			42 to 44 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	5.3	U		5.4	U		7.1	U		6.4	U		5.2	U		6.5	U	
Chloromethane	ug/Kg	980	5.3	U		5.4	U		7.1	U		6.4	U		5.2	U		6.5	U	
Vinyl Chloride	ug/Kg	13.8	5.3	U		5.4	U		7.1	U		6.4	U		5.2	UJ		6.5	UJ	
Bromomethane	ug/Kg	36	5.3	U		5.4	U		7.1	U		6.4	U		5.2	U		6.5	U	
Chloroethane	ug/Kg	118000	5.3	U		5.4	U		7.1	U		6.4	U		5.2	U		6.5	U	
Trichlorofluoromethane	ug/Kg	13800	5.3	U		5.4	U		7.1	U		6.4	UJ		5.2	UJ		6.5	UJ	
1,1-Dichloroethene	ug/Kg	50	5.3	U		5.4	U		7.1	U		6.4	UJ		5.2	U		6.5	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	5.3	U		5.4	U		7.1	U		6.4	UJ		5.2	UJ		6.5	UJ	
Acetone	ug/Kg	48000	130		#	400		#	26		#	17		#	13		#	13	U	
Carbon Disulfide	ug/Kg	4200	5.3	U		1.3	J	#	7.1	U		6.4	U		5.2	U		6.5	U	
Methyl Acetate	ug/Kg	64000	5.3	U		5.4	U		7.1	U		6.4	UJ		5.2	UJ		6.5	UJ	
Methylene Chloride	ug/Kg	26	5.3	U		5.4	U		7.1	U		6.4	UJ		5.2	UJ		6.5	UJ	
trans-1,2-Dichloroethene	ug/Kg	580	5.3	U		5.4	U		7.1	U		6.4	U		5.2	U		6.5	U	
Methyl tert-Butyl Ether	ug/Kg	56	5.3	U		5.4	U		15		#	6.4	UJ		5.2	UJ		6.5	UJ	
1,1-Dichloroethane	ug/Kg	13.6	5.3	U		5.4	U		7.1	U		6.4	U		5.2	UJ		6.5	U	
cis-1,2-Dichloroethene	ug/Kg	420	5.3	U		5.4	U		7.1	U		6.4	U		5.2	U		6.5	U	
2-Butanone	ug/Kg	20000	23		#	58		#	12	J	#	11	J	#	5.9	J	#	13	U	
Chlorobromomethane	ug/Kg	420	5.3	U		5.4	U		7.1	U		6.4	U		5.2	UJ		6.5	U	
Chloroform	ug/Kg	290	5.3	U		5.4	U		7.1	U		6.4	U		5.2	UJ		6.5	U	
1,1,1-Trichloroethane	ug/Kg	1400	5.3	U		5.4	U		7.1	U		6.4	UJ		5.2	UJ		6.5	UJ	
Cyclohexane	ug/Kg	117000	5.3	U		5.4	U		7.1	U		1.9	J	#	5.2	U		6.5	U	
Carbon Tetrachloride	ug/Kg	38	5.3	U		5.4	U		7.1	U		6.4	UJ		5.2	UJ		6.5	UJ	
Benzene	ug/Kg	52	5.3	U		5.4	U		14		#	**100**	J	A	5.2	U		6.5	U	
1,2-Dichloroethane	ug/Kg	28	5.3	U		5.4	U		7.1	U		6.4	UJ		5.2	UJ		6.5	UJ	
1,4-Dioxane	ug/Kg	2.8	110	R		110	R		140	R		130	R		100	R		130	R	
Trichloroethene	ug/Kg	36	5.3	U		5.4	U		7.1	U		6.4	U		5.2	U		6.5	U	

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ESSB-14-A			ESSB-14-B			ESSB-14-C			ESSB-14-D			ESSB-15-A			ESSB-15-B		
		Location	ESSB-14			ESSB-14			ESSB-14			ESSB-14			ESSB-15			ESSB-15		
		Sample Date	11/29/2007			11/29/2007			11/29/2007			11/29/2007			5/27/2010			5/27/2010		
		Depth	0 to 1 ft			9 to 11 ft			21 to 23 ft			42 to 44 ft			0 to 4 ft			4 to 8 ft		
Metylcyclohexane	ug/Kg	N/A	5.3	U		5.4	U		7.1	U		6.4	U		5.2	U		6.5	U	
1,2-Dichloropropane	ug/Kg	34	5.3	U		5.4	U		7.1	U		6.4	U		5.2	U		6.5	U	
Bromodichloromethane	ug/Kg	270	5.3	U		5.4	U		7.1	U		6.4	U		5.2	U		1.7	J	#
cis-1,3-Dichloropropene	ug/Kg	3	5.3	U		5.4	U		7.1	U		6.4	U		2.1	U		2.6	U	
4-Methyl-2-pentanone	ug/Kg	4600	11	U		11	U		45		#	130		#	10	U		13	U	
Toluene	ug/Kg	13800	5.3	U		5.4	U		7.1		#	120		#	5.2	U		6.5	U	
trans-1,3-Dichloropropene	ug/Kg	3	5.3	U		5.4	U		7.1	U		6.4	U		2.1	U		2.6	U	
1,1,2-Trichloroethane	ug/Kg	32	5.3	U		5.4	U		7.1	U		6.4	U		5.2	U		6.5	U	
Tetrachloroethene	ug/Kg	46	5.3	U		5.4	U		7.1	U		6.4	U		5.2	U		6.5	U	
2-Hexanone	ug/Kg	158	11	U		11	U		14	U		13	U		10	U		13	U	
Dibromochloromethane	ug/Kg	420	5.3	U		5.4	U		7.1	U		6.4	U		5.2	UJ		6.5	U	
1,2-Dibromoethane	ug/Kg	0.28	5.3	U		5.4	U		7.1	U		6.4	UJ		5.2	UJ		6.5	UJ	
Chlorobenzene	ug/Kg	1360	5.3	U		5.4	U		7.1	U		6.4	U		5.2	U		6.5	U	
Ethylbenzene	ug/Kg	5400	5.3	U		5.4	U		7.1	U		6.4	U		5.2	U		6.5	U	
o-Xylene	ug/Kg	3800	5.3	U		5.4	U		5.2	J	#	44		#	5.2	U		6.5	U	
m,p-Xylene	ug/Kg	3600	5.3	U		5.4	U		13		#	94		#	5.2	U		6.5	U	
Styrene	ug/Kg	2200	5.3	U		5.4	U		7.1	U		6.4	U		5.2	U		6.5	U	
Bromoform	ug/Kg	420	5.3	U		5.4	U		7.1	U		6.4	U		5.2	UJ		6.5	U	
Isopropylbenzene	ug/Kg	12800	5.1	J	#	5.4	U		7.1	U		6.4	U		5.2	U		6.5	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	5.3	U		5.4	U		7.1	U		6.4	U		2.1	U		2.6	U	
1,3-Dichlorobenzene	ug/Kg	N/A	5.3	U		5.4	U		7.1	U		6.4	U		5.2	U		6.5	U	
1,4-Dichlorobenzene	ug/Kg	1440	5.3	U		5.4	U		7.1	U		6.4	U		5.2	U		6.5	U	
1,2-Dichlorobenzene	ug/Kg	11600	5.3	U		5.4	U		7.1	U		6.4	U		5.2	U		6.5	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	5.3	U		5.4	U		7.1	U		6.4	U		5.2	U		6.5	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	5.3	U		5.4	U		7.1	U		6.4	U		5.2	U		6.5	U	
1,2,3-Trichlorobenzene	ug/Kg	300	5.3	U		5.4	U		7.1	U		6.4	U		5.2	U		6.5	U	
Semi-Volatile Organic Compounds																				

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code Location Sample Date Depth	ESSB-14-A ESSB-14 11/29/2007 0 to 1 ft	ESSB-14-B ESSB-14 11/29/2007 9 to 11 ft	ESSB-14-C ESSB-14 11/29/2007 21 to 23 ft	ESSB-14-D ESSB-14 11/29/2007 42 to 44 ft	ESSB-15-A ESSB-15 5/27/2010 0 to 4 ft	ESSB-15-B ESSB-15 5/27/2010 4 to 8 ft
Benzaldehyde	ug/Kg	6600	230 UJ	240 UJ	260 UJ	250 UJ		
Phenol	ug/Kg	52000	230 UJ	240 UJ	260 UJ	250 UJ		
bis(2-Chloroethyl) ether	ug/Kg	0.06	230 UJ	240 UJ	260 UJ	250 UJ		
2-Chlorophenol	ug/Kg	1140	230 UJ	240 UJ	260 UJ	250 UJ		
2-Methylphenol	ug/Kg	11600	230 UJ	240 UJ	260 UJ	250 UJ		
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	230 UJ	240 UJ	260 UJ	250 UJ		
Acetophenone	ug/Kg	9000	230 UJ	240 UJ	260 UJ	250 UJ		
4-Methylphenol	ug/Kg	22000	230 UJ	240 UJ	260 UJ	250 UJ		
n-Nitroso-di-n-propylamine	ug/Kg	0.14	230 UJ	240 UJ	260 UJ	250 UJ		
Hexachloroethane	ug/Kg	9.6	230 UJ	240 UJ	260 UJ	250 UJ		
Nitrobenzene	ug/Kg	1.58	230 UJ	240 UJ	260 UJ	250 UJ		
Isophorone	ug/Kg	440	230 UJ	240 UJ	260 UJ	250 UJ		
2-Nitrophenol	ug/Kg	N/A	230 UJ	240 UJ	260 UJ	250 UJ		
2,4-Dimethylphenol	ug/Kg	6400	230 UJ	240 UJ	260 UJ	250 UJ		
bis(2-Chloroethoxy)methane	ug/Kg	220	230 UJ	240 UJ	260 UJ	250 UJ		
2,4-Dichlorophenol	ug/Kg	820	230 UJ	240 UJ	260 UJ	250 UJ		
Naphthalene	ug/Kg	9.4	230 UJ	240 UJ	260 UJ	250 UJ		
4-Chloroaniline	ug/Kg	2.6	230 UJ	240 UJ	260 UJ	250 UJ		
Hexachlorobutadiene	ug/Kg	10	230 UJ	240 UJ	260 UJ	250 UJ		
Caprolactam	ug/Kg	38000	230 UJ	240 UJ	260 UJ	250 UJ		
4-Chloro-3-methylphenol	ug/Kg	26000	230 UJ	240 UJ	260 UJ	250 UJ		
2-Methylnaphthalene	ug/Kg	2800	230 UJ	240 UJ	260 UJ	250 UJ		
Hexachlorocyclopentadiene	ug/Kg	3200	230 UJ	240 UJ	260 UJ	250 UJ		
2,4,6-Trichlorophenol	ug/Kg	260	230 UJ	240 UJ	260 UJ	250 UJ		
2,4,5-Trichlorophenol	ug/Kg	66000	230 UJ	240 UJ	260 UJ	250 UJ		
1,1'-Biphenyl	ug/Kg	174	230 UJ	240 UJ	260 UJ	250 UJ		
2-Chloronaphthalene	ug/Kg	58000	230 UJ	240 UJ	260 UJ	250 UJ		
2-Nitroaniline	ug/Kg	1240	450 UJ	460 UJ	510 UJ	490 UJ		

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code Location Sample Date Depth	ESSB-14-A ESSB-14 11/29/2007 0 to 1 ft	ESSB-14-B ESSB-14 11/29/2007 9 to 11 ft	ESSB-14-C ESSB-14 11/29/2007 21 to 23 ft	ESSB-14-D ESSB-14 11/29/2007 42 to 44 ft	ESSB-15-A ESSB-15 5/27/2010 0 to 4 ft	ESSB-15-B ESSB-15 5/27/2010 4 to 8 ft
Dimethylphthalate	ug/Kg	N/A	230 UJ	240 UJ	260 UJ	250 UJ		
2,6-Dinitrotoluene	ug/Kg	400	230 UJ	240 UJ	260 UJ	250 UJ		
Acenaphthylene	ug/Kg	N/A	230 UJ	240 UJ	260 UJ	250 UJ		
3-Nitroaniline	ug/Kg	N/A	450 UJ	460 UJ	510 UJ	490 UJ		
Acenaphthene	ug/Kg	82000	230 UJ	240 UJ	260 UJ	250 UJ		
2,4-Dinitrophenol	ug/Kg	680	450 UJ	460 UJ	510 UJ	490 UJ		
4-Nitrophenol	ug/Kg	N/A	450 UJ	460 UJ	510 UJ	490 UJ		
Dibenzofuran	ug/Kg	N/A	230 UJ	240 UJ	260 UJ	250 UJ		
2,4-Dinitrotoluene	ug/Kg	5.6	230 UJ	240 UJ	260 UJ	250 UJ		
Diethylphthalate	ug/Kg	94000	230 UJ	240 UJ	260 UJ	250 UJ		
Fluorene	ug/Kg	80000	230 UJ	240 UJ	260 UJ	250 UJ		
4-Chlorophenyl-phenylether	ug/Kg	N/A	230 UJ	240 UJ	260 UJ	250 UJ		
4-Nitroaniline	ug/Kg	28	450 UJ	460 UJ	510 UJ	490 UJ		
4,6-Dinitro-2-methylphenol	ug/Kg	40	450 UJ	460 UJ	510 UJ	490 UJ		
n-Nitrosodiphenylamine	ug/Kg	1140	230 UJ	240 UJ	260 UJ	250 UJ		
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	230 UJ	240 UJ	260 UJ	250 UJ		
4-Bromophenyl-phenylether	ug/Kg	N/A	230 UJ	240 UJ	260 UJ	250 UJ		
Hexachlorobenzene	ug/Kg	260	230 UJ	240 UJ	260 UJ	250 UJ		
Atrazine	ug/Kg	38	230 UJ	240 UJ	260 UJ	250 UJ		
Pentachlorophenol	ug/Kg	200	450 UJ	460 UJ	510 UJ	490 UJ		
Phenanthrene	ug/Kg	N/A	230 UJ	240 UJ	260 UJ	250 UJ		
Anthracene	ug/Kg	840000	230 UJ	240 UJ	260 UJ	250 UJ		
Carbazole	ug/Kg	N/A	230 UJ	240 UJ	260 UJ	250 UJ		
Di-n-butylphthalate	ug/Kg	34000	230 UJ	240 UJ	260 UJ	250 UJ		
Fluoranthene	ug/Kg	230000	230 UJ	240 UJ	260 UJ	250 UJ		
Pyrene	ug/Kg	170000	230 UJ	240 UJ	260 UJ	250 UJ		
Butylbenzylphthalate	ug/Kg	4000	230 UJ	240 UJ	260 UJ	250 UJ		
3,3'-Dichlorobenzidine	ug/Kg	14.2	230 UJ	240 UJ	260 UJ	250 UJ		

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code Location Sample Date Depth	ESSB-14-A ESSB-14 11/29/2007 0 to 1 ft			ESSB-14-B ESSB-14 11/29/2007 9 to 11 ft			ESSB-14-C ESSB-14 11/29/2007 21 to 23 ft			ESSB-14-D ESSB-14 11/29/2007 42 to 44 ft			ESSB-15-A ESSB-15 5/27/2010 0 to 4 ft			ESSB-15-B ESSB-15 5/27/2010 4 to 8 ft		
Benzo(a)anthracene	ug/Kg	150	230	UJ		240	UJ		260	UJ		250	UJ							
Chrysene	ug/Kg	15000	230	UJ		240	UJ		260	UJ		250	UJ							
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	230	UJ		380	J	#	260	UJ		250	UJ							
Di-n-octylphthalate	ug/Kg	N/A	230	UJ		240	UJ		260	UJ		250	UJ							
Benzo(b)fluoranthene	ug/Kg	150	230	UJ		240	UJ		260	UJ		250	UJ							
Benzo(k)fluoranthene	ug/Kg	1500	230	UJ		240	UJ		260	UJ		250	UJ							
Benzo(a)pyrene	ug/Kg	15	230	UJ		240	UJ		260	UJ		250	UJ							
Indeno(1,2,3-cd)pyrene	ug/Kg	150	230	UJ		240	UJ		260	UJ		250	UJ							
Dibenz(a,h)anthracene	ug/Kg	15	230	UJ		240	UJ		260	UJ		250	UJ							
Benzo(g,h,i)perylene	ug/Kg	N/A	230	UJ		240	UJ		260	UJ		250	UJ							
Chlorophenols	ug/Kg	22000	230	UJ		240	UJ		260	UJ		250	UJ							
PCBs																				
Aroclor-1016	ug/Kg	390	45	U		46	U		51	U		49	U							
Aroclor-1221	ug/Kg	1.48	45	U		46	U		51	U		49	U							
Aroclor-1232	ug/Kg	1.48	45	U		46	U		51	U		49	U							
Aroclor-1242	ug/Kg	106	45	U		46	U		51	U		49	U							
Aroclor-1248	ug/Kg	104	45	U		46	U		51	U		49	U							
Aroclor-1254	ug/Kg	110	45	U		46	U		51	U		49	U							
Aroclor-1260	ug/Kg	220	45	U		46	U		51	U		49	U							
Aroclor-1262	ug/Kg	220	45	U		46	U		51	U		49	U							
Aroclor-1268	ug/Kg	220	45	U		46	U		51	U		49	U							
Pesticides																				
alpha-BHC	ug/Kg	0.72	2.3	U		2.4	U		2.6	U		2.5	U							
beta-BHC	ug/Kg	2.6	2.3	U		2.4	U		2.6	U		2.5	U							
delta-BHC	ug/Kg	N/A	2.3	U		2.4	U		2.6	U		2.5	U							
gamma-BHC (Lindane)	ug/Kg	24	2.3	U		2.4	U		2.6	U		2.5	U							

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code Location Sample Date Depth	ESSB-14-A ESSB-14 11/29/2007 0 to 1 ft			ESSB-14-B ESSB-14 11/29/2007 9 to 11 ft			ESSB-14-C ESSB-14 11/29/2007 21 to 23 ft			ESSB-14-D ESSB-14 11/29/2007 42 to 44 ft			ESSB-15-A ESSB-15 5/27/2010 0 to 4 ft			ESSB-15-B ESSB-15 5/27/2010 4 to 8 ft		
Heptachlor	ug/Kg	110	2.3	U		2.4	U		2.6	U		2.5	U							
Aldrin	ug/Kg	0.68	2.3	U		2.4	U		2.6	U		2.5	U							
Heptachlor epoxide	ug/Kg	53	2.3	U		2.4	U		2.6	U		2.5	U							
Endosulfan I	ug/Kg	22000	2.3	U		2.4	U		2.6	U		2.5	U							
Dieldrin	ug/Kg	1.22	4.5	U		4.6	U		5.1	U		4.9	U							
4,4'-DDE	ug/Kg	920	4.5	U		4.6	U		5.1	U		4.9	U							
Endrin	ug/Kg	1620	4.5	U		4.6	U		5.1	U		4.9	U							
Endosulfan II	ug/Kg	22000	4.5	U		4.6	U		5.1	U		4.9	U							
4,4'-DDD	ug/Kg	1320	4.5	U		4.6	U		5.1	U		4.9	U							
Endosulfan sulfate	ug/Kg	22000	4.5	U		4.6	U		5.1	U		4.9	U							
4,4'-DDT	ug/Kg	1340	4.5	U		4.6	U		5.1	U		4.9	U							
Methoxychlor	ug/Kg	31000	23	U		24	U		26	U		25	U							
Endrin ketone	ug/Kg	1620	4.5	U		4.6	U		5.1	U		4.9	U							
Endrin aldehyde	ug/Kg	1620	4.5	U		4.6	U		5.1	U		4.9	U							
alpha-Chlordane	ug/Kg	1600	2.3	U		2.4	U		2.6	U		2.5	U							
gamma-Chlordane	ug/Kg	1600	2.3	U		2.4	U		2.6	U		2.5	U							
Toxaphene	ug/Kg	440	230	U		240	U		260	U		250	U							
Inorganic Analytes																				
Aluminum	mg/kg	7700	**15000**		A	**11300**		A	**18400**		A	**20400**		A						
Antimony	mg/kg	3.1	2	U		2.1	U		2.2	U		2.2	U							
Arsenic	mg/kg	0.39	**2.5**		A	1.4	U		1.5	U		1.5	U							
Barium	mg/kg	1500	151		#	27.7	U		181		#	746		#						
Beryllium	mg/kg	16	0.68	U		0.69	U		0.75	U		0.92		#						
Cadmium	mg/kg	7	0.68	U		0.69	U		0.75	U		0.73	U							
Calcium	mg/kg	N/A	5450		~	491	J	~	1010		~	2000		~						
Chromium	mg/kg	0.29	**33.6**		A	**37.5**		A	**20.1**		A	**13.8**		A						
Cobalt	mg/kg	2.3	**42.5**	J	A	**4.2**	J	A	**51.5**	J	A	**177**	J	A						

Esso - Soil Sample Results Full Table
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		Sample Code	ESSB-14-A			ESSB-14-B			ESSB-14-C			ESSB-14-D			ESSB-15-A			ESSB-15-B		
		Location	ESSB-14			ESSB-14			ESSB-14			ESSB-14			ESSB-15			ESSB-15		
		Sample Date	11/29/2007			11/29/2007			11/29/2007			11/29/2007			5/27/2010			5/27/2010		
		Depth	0 to 1 ft			9 to 11 ft			21 to 23 ft			42 to 44 ft			0 to 4 ft			4 to 8 ft		
Copper	mg/kg	310	75.9		#	87.1		#	256		#	188		#						
Cyanide	mg/kg	4.7	3.4	U		3.5	U		3.8	U		3.7	U							
Iron	mg/kg	5400	**62200**		A	**86400**		A	**61700**		A	**50000**		A						
Lead	mg/kg	280	16.2	J	#	1.4	UJ		1.5	UJ		1.5	UJ							
Magnesium	mg/kg	N/A	2540	J	~	1100	J	~	5360	J	~	9430	J	~						
Manganese	mg/kg	21	**5700**	J	A	**446**	J	A	**1270**	J	A	**3650**	J	A						
Mercury	mg/kg	2	0.55		#	0.14	U		0.15	U		0.15	U							
Nickel	mg/kg	150	11.1		#	6.3		#	28.3		#	104		#						
Potassium	mg/kg	N/A	366	J	~	142	J	~	444	J	~	577	J	~						
Selenium	mg/kg	5.2	4.8	UJ		4.8	UJ		5.3	UJ		5.1	UJ							
Silver	mg/kg	12	6.4	J	#	8	J	#	6	J	#	5	J	#						
Sodium	mg/kg	N/A	323	J	~	216	J	~	231	J	~	368	J	~						
Thallium	mg/kg	0.08	0.34	U		0.34	U		0.37	U		0.37	U							
Vanadium	mg/kg	39	**196**		A	**270**		A	**186**		A	**170**		A						
Zinc	mg/kg	2300	100		#	36.4		#	166		#	406		#						
Additional Parameters																				
% GRANULE & LARGER >2 MM	%	N/A							0		~									
% VERY COURSE SAND >1 - 2 MM	%	N/A							0		~									
% COARSE SAND >.5 - 1 MM	%	N/A							1		~									
% MEDIUM SAND >.25 - .5 MM	%	N/A							3		~									
% FINE SAND >.125 - .25 MM	%	N/A							4		~									
% VERY FINE SAND >.0625 - .125 MM	%	N/A							3		~									
% SILT	%	N/A							58		~									
% CLAY & COLLOIDS	%	N/A							31		~									
pH	s.u.	N/A							7		~									
Total Organic Carbon	mg/Kg	N/A							210	J	~									

Notes:
Highlight indicates exceedance

Q - Qualifier

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
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	Sample Code	ESSB-14-A	ESSB-14-B	ESSB-14-C	ESSB-14-D	ESSB-15-A	ESSB-15-B
	Location	ESSB-14	ESSB-14	ESSB-14	ESSB-14	ESSB-15	ESSB-15
	Sample Date	11/29/2007	11/29/2007	11/29/2007	11/29/2007	5/27/2010	5/27/2010
	Depth	0 to 1 ft	9 to 11 ft	21 to 23 ft	42 to 44 ft	0 to 4 ft	4 to 8 ft
SC - Site Specific Screening Criteria	C - Comparisor Flag						
ug/kg - microgram per kilogram							
mg/kg - milligram per kilogram							
mm - millimeter							
U - non-detect							
J - estimated value							
R - rejected data							
N/A - not applicable							
PCB - Polychlorinated Biphenyl							

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ESSB-15-C			ESSB-15-D			ESSB-15-F			ESSB-15-G			ESSB-16-C			ESSB-16-D		
		Location	ESSB-15			ESSB-15			ESSB-15			ESSB-15			ESSB-16			ESSB-16		
		Sample Date	5/27/2010			5/27/2010			5/27/2010			5/27/2010			5/28/2010			5/28/2010		
		Depth	8 to 12 ft			20 to 24 ft			44 to 48 ft			56 to 60 ft			8 to 12 ft			20 to 24 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	11	U		7.6	U		6.5	U		6.7	U		400	U		7.2	U	
Chloromethane	ug/Kg	980	11	U		7.6	U		6.5	U		6.7	U		610		#	7.2	U	
Vinyl Chloride	ug/Kg	13.8	11	U		7.6	UJ		6.5	U		6.7	UJ		400	U		7.2	U	
Bromomethane	ug/Kg	36	11	U		7.6	U		6.5	U		6.7	U		400	U		7.2	U	
Chloroethane	ug/Kg	118000	11	U		7.6	U		6.5	U		6.7	U		400	U		7.2	U	
Trichlorofluoromethane	ug/Kg	13800	11	U		7.6	U		6.5	UJ		6.7	UJ		400	U		7.2	UJ	
1,1-Dichloroethene	ug/Kg	50	11	U		7.6	U		6.5	U		6.7	U		400	U		7.2	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	11	U		7.6	U		6.5	UJ		6.7	UJ		400	U		7.2	UJ	
Acetone	ug/Kg	48000	45		#	15	U		13	U		13	U		800	U		14	U	
Carbon Disulfide	ug/Kg	4200	11	U		7.6	U		6.5	U		6.7	U		400	U		7.2	U	
Methyl Acetate	ug/Kg	64000	11	U		7.6	U		6.5	UJ		6.7	UJ		400	U		7.2	UJ	
Methylene Chloride	ug/Kg	26	11	U		7.6	U		6.5	UJ		6.7	UJ		400	U		7.2	UJ	
trans-1,2-Dichloroethene	ug/Kg	580	11	U		7.6	U		6.5	U		6.7	U		400	U		7.2	U	
Methyl tert-Butyl Ether	ug/Kg	56	11	U		0.83	J	#	15	J	#	17	J	#	400	U		7.2	UJ	
1,1-Dichloroethane	ug/Kg	13.6	11	U		7.6	UJ		6.5	U		6.7	U		400	U		7.2	U	
cis-1,2-Dichloroethene	ug/Kg	420	11	U		7.6	U		6.5	U		6.7	U		400	U		7.2	U	
2-Butanone	ug/Kg	20000	5.5	J	#	15	U		13	U		13	U		800	U		14	U	
Chlorobromomethane	ug/Kg	420	11	U		7.6	UJ		6.5	U		6.7	U		400	U		7.2	U	
Chloroform	ug/Kg	290	11	U		7.6	UJ		6.5	U		6.7	U		400	U		7.2	U	
1,1,1-Trichloroethane	ug/Kg	1400	11	U		7.6	U		6.5	UJ		6.7	UJ		400	U		7.2	UJ	
Cyclohexane	ug/Kg	117000	11	U		7.6	U		6.5	U		6.7	U		400	U		7.2	U	
Carbon Tetrachloride	ug/Kg	38	11	U		7.6	U		6.5	UJ		6.7	UJ		400	U		7.2	UJ	
Benzene	ug/Kg	52	11	U		7.6	U		2.8	J	#	12		#	400	U		7.2	U	
1,2-Dichloroethane	ug/Kg	28	11	U		7.6	U		6.5	UJ		6.7	UJ		400	U		7.2	UJ	
1,4-Dioxane	ug/Kg	2.8	220	R		150	R		130	R		130	R		8000	R		140	R	
Trichloroethene	ug/Kg	36	11	U		7.6	U		6.5	U		6.7	U		400	U		7.2	U	

Esso - Soil Sample Results Full Table
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		Sample Code Location Sample Date Depth	ESSB-15-C ESSB-15 5/27/2010 8 to 12 ft			ESSB-15-D ESSB-15 5/27/2010 20 to 24 ft			ESSB-15-F ESSB-15 5/27/2010 44 to 48 ft			ESSB-15-G ESSB-15 5/27/2010 56 to 60 ft			ESSB-16-C ESSB-16 5/28/2010 8 to 12 ft			ESSB-16-D ESSB-16 5/28/2010 20 to 24 ft		
Metylcyclohexane	ug/Kg	N/A	11	U		7.6	U		6.5	U		6.7	U		400	U		7.2	U	
1,2-Dichloropropane	ug/Kg	34	11	U		7.6	U		6.5	U		6.7	U		400	U		7.2	U	
Bromodichloromethane	ug/Kg	270	11	U		7.6	U		6.5	U		6.7	U		400	U		7.2	U	
cis-1,3-Dichloropropene	ug/Kg	3	4.5	U		3	U		2.6	U		2.7	U		160	U		2.9	U	
4-Methyl-2-pentanone	ug/Kg	4600	22	U		15	U		13	U		13	U		800	U		14	U	
Toluene	ug/Kg	13800	11	U		7.6	U		6.5	U		6.7	U		400	U		7.2	U	
trans-1,3-Dichloropropene	ug/Kg	3	4.5	U		3	U		2.6	U		2.7	U		160	U		2.9	U	
1,1,2-Trichloroethane	ug/Kg	32	11	U		7.6	U		6.5	U		6.7	U		400	U		7.2	U	
Tetrachloroethene	ug/Kg	46	11	U		7.6	U		6.5	U		6.7	U		400	U		7.2	U	
2-Hexanone	ug/Kg	158	22	U		15	U		13	U		13	U		800	U		14	U	
Dibromochloromethane	ug/Kg	420	11	U		7.6	UJ		6.5	U		6.7	U		400	U		7.2	U	
1,2-Dibromoethane	ug/Kg	0.28	11	U		7.6	U		6.5	UJ		6.7	UJ		400	U		7.2	UJ	
Chlorobenzene	ug/Kg	1360	11	U		7.6	U		6.5	U		6.7	U		400	U		7.2	U	
Ethylbenzene	ug/Kg	5400	11	U		7.6	U		6.5	U		6.7	U		210	J	#	7.2	U	
o-Xylene	ug/Kg	3800	11	U		10		#	1.8	J	#	4.8	J	#	430		#	58		#
m,p-Xylene	ug/Kg	3600	11	U		2.5	J	#	6.5	U		0.6	J	#	570		#	16		#
Styrene	ug/Kg	2200	11	U		7.6	U		6.5	U		6.7	U		400	U		7.2	U	
Bromoform	ug/Kg	420	11	U		7.6	UJ		6.5	U		6.7	U		400	U		7.2	U	
Isopropylbenzene	ug/Kg	12800	11	U		2.9	J	#	6.5	U		6.7	U		310	J	#	39		#
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	4.5	U		3	U		2.6	U		2.7	U		160	U		2.9	U	
1,3-Dichlorobenzene	ug/Kg	N/A	11	U		7.6	U		6.5	U		6.7	U		400	U		7.2	U	
1,4-Dichlorobenzene	ug/Kg	1440	11	U		7.6	U		6.5	U		6.7	U		400	U		7.2	U	
1,2-Dichlorobenzene	ug/Kg	11600	11	U		7.6	U		6.5	U		6.7	U		400	U		7.2	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	11	U		7.6	U		6.5	U		6.7	U		400	U		7.2	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	11	U		7.6	U		6.5	U		6.7	U		400	U		7.2	U	
1,2,3-Trichlorobenzene	ug/Kg	300	11	U		7.6	U		6.5	U		6.7	U		400	U		7.2	U	
Semi-Volatile Organic Compounds																				

Esso - Soil Sample Results Full Table
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		Sample Code	ESSB-15-C			ESSB-15-D			ESSB-15-F			ESSB-15-G			ESSB-16-C			ESSB-16-D		
		Location	ESSB-15			ESSB-15			ESSB-15			ESSB-15			ESSB-16			ESSB-16		
		Sample Date	5/27/2010			5/27/2010			5/27/2010			5/27/2010			5/28/2010			5/28/2010		
		Depth	8 to 12 ft			20 to 24 ft			44 to 48 ft			56 to 60 ft			8 to 12 ft			20 to 24 ft		
Benzaldehyde	ug/Kg	6600																		
Phenol	ug/Kg	52000																		
bis(2-Chloroethyl) ether	ug/Kg	0.06																		
2-Chlorophenol	ug/Kg	1140																		
2-Methylphenol	ug/Kg	11600																		
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2																		
Acetophenone	ug/Kg	9000																		
4-Methylphenol	ug/Kg	22000																		
n-Nitroso-di-n-propylamine	ug/Kg	0.14																		
Hexachloroethane	ug/Kg	9.6																		
Nitrobenzene	ug/Kg	1.58																		
Isophorone	ug/Kg	440																		
2-Nitrophenol	ug/Kg	N/A																		
2,4-Dimethylphenol	ug/Kg	6400																		
bis(2-Chloroethoxy)methane	ug/Kg	220																		
2,4-Dichlorophenol	ug/Kg	820																		
Naphthalene	ug/Kg	9.4																		
4-Chloroaniline	ug/Kg	2.6																		
Hexachlorobutadiene	ug/Kg	10																		
Caprolactam	ug/Kg	38000																		
4-Chloro-3-methylphenol	ug/Kg	26000																		
2-Methylnaphthalene	ug/Kg	2800																		
Hexachlorocyclopentadiene	ug/Kg	3200																		
2,4,6-Trichlorophenol	ug/Kg	260																		
2,4,5-Trichlorophenol	ug/Kg	66000																		
1,1'-Biphenyl	ug/Kg	174																		
2-Chloronaphthalene	ug/Kg	58000																		
2-Nitroaniline	ug/Kg	1240																		

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
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		Sample Code	ESSB-15-C			ESSB-15-D			ESSB-15-F			ESSB-15-G			ESSB-16-C			ESSB-16-D		
		Location	ESSB-15			ESSB-15			ESSB-15			ESSB-15			ESSB-16			ESSB-16		
		Sample Date	5/27/2010			5/27/2010			5/27/2010			5/27/2010			5/28/2010			5/28/2010		
		Depth	8 to 12 ft			20 to 24 ft			44 to 48 ft			56 to 60 ft			8 to 12 ft			20 to 24 ft		
Dimethylphthalate	ug/Kg	N/A																		
2,6-Dinitrotoluene	ug/Kg	400																		
Acenaphthylene	ug/Kg	N/A																		
3-Nitroaniline	ug/Kg	N/A																		
Acenaphthene	ug/Kg	82000																		
2,4-Dinitrophenol	ug/Kg	680																		
4-Nitrophenol	ug/Kg	N/A																		
Dibenzofuran	ug/Kg	N/A																		
2,4-Dinitrotoluene	ug/Kg	5.6																		
Diethylphthalate	ug/Kg	94000																		
Fluorene	ug/Kg	80000																		
4-Chlorophenyl-phenylether	ug/Kg	N/A																		
4-Nitroaniline	ug/Kg	28																		
4,6-Dinitro-2-methylphenol	ug/Kg	40																		
n-Nitrosodiphenylamine	ug/Kg	1140																		
1,2,4,5-Tetrachlorobenzene	ug/Kg	116																		
4-Bromophenyl-phenylether	ug/Kg	N/A																		
Hexachlorobenzene	ug/Kg	260																		
Atrazine	ug/Kg	38																		
Pentachlorophenol	ug/Kg	200																		
Phenanthrene	ug/Kg	N/A																		
Anthracene	ug/Kg	840000																		
Carbazole	ug/Kg	N/A																		
Di-n-butylphthalate	ug/Kg	34000																		
Fluoranthene	ug/Kg	230000																		
Pyrene	ug/Kg	170000																		
Butylbenzylphthalate	ug/Kg	4000																		
3,3'-Dichlorobenzidine	ug/Kg	14.2																		

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code Location Sample Date Depth	ESSB-15-C ESSB-15 5/27/2010 8 to 12 ft			ESSB-15-D ESSB-15 5/27/2010 20 to 24 ft			ESSB-15-F ESSB-15 5/27/2010 44 to 48 ft			ESSB-15-G ESSB-15 5/27/2010 56 to 60 ft			ESSB-16-C ESSB-16 5/28/2010 8 to 12 ft			ESSB-16-D ESSB-16 5/28/2010 20 to 24 ft		
Benzo(a)anthracene	ug/Kg	150																		
Chrysene	ug/Kg	15000																		
bis(2-Ethylhexyl) phthalate	ug/Kg	28000																		
Di-n-octylphthalate	ug/Kg	N/A																		
Benzo(b)fluoranthene	ug/Kg	150																		
Benzo(k)fluoranthene	ug/Kg	1500																		
Benzo(a)pyrene	ug/Kg	15																		
Indeno(1,2,3-cd)pyrene	ug/Kg	150																		
Dibenz(a,h)anthracene	ug/Kg	15																		
Benzo(g,h,i)perylene	ug/Kg	N/A																		
Chlorophenols	ug/Kg	22000																		
PCBs																				
Aroclor-1016	ug/Kg	390																		
Aroclor-1221	ug/Kg	1.48																		
Aroclor-1232	ug/Kg	1.48																		
Aroclor-1242	ug/Kg	106																		
Aroclor-1248	ug/Kg	104																		
Aroclor-1254	ug/Kg	110																		
Aroclor-1260	ug/Kg	220																		
Aroclor-1262	ug/Kg	220																		
Aroclor-1268	ug/Kg	220																		
Pesticides																				
alpha-BHC	ug/Kg	0.72																		
beta-BHC	ug/Kg	2.6																		
delta-BHC	ug/Kg	N/A																		
gamma-BHC (Lindane)	ug/Kg	24																		

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code Location Sample Date Depth	ESSB-15-C ESSB-15 5/27/2010 8 to 12 ft			ESSB-15-D ESSB-15 5/27/2010 20 to 24 ft			ESSB-15-F ESSB-15 5/27/2010 44 to 48 ft			ESSB-15-G ESSB-15 5/27/2010 56 to 60 ft			ESSB-16-C ESSB-16 5/28/2010 8 to 12 ft			ESSB-16-D ESSB-16 5/28/2010 20 to 24 ft		
Heptachlor	ug/Kg	110																		
Aldrin	ug/Kg	0.68																		
Heptachlor epoxide	ug/Kg	53																		
Endosulfan I	ug/Kg	22000																		
Dieldrin	ug/Kg	1.22																		
4,4'-DDE	ug/Kg	920																		
Endrin	ug/Kg	1620																		
Endosulfan II	ug/Kg	22000																		
4,4'-DDD	ug/Kg	1320																		
Endosulfan sulfate	ug/Kg	22000																		
4,4'-DDT	ug/Kg	1340																		
Methoxychlor	ug/Kg	31000																		
Endrin ketone	ug/Kg	1620																		
Endrin aldehyde	ug/Kg	1620																		
alpha-Chlordane	ug/Kg	1600																		
gamma-Chlordane	ug/Kg	1600																		
Toxaphene	ug/Kg	440																		
Inorganic Analytes																				
Aluminum	mg/kg	7700																		
Antimony	mg/kg	3.1																		
Arsenic	mg/kg	0.39																		
Barium	mg/kg	1500																		
Beryllium	mg/kg	16																		
Cadmium	mg/kg	7																		
Calcium	mg/kg	N/A																		
Chromium	mg/kg	0.29																		
Cobalt	mg/kg	2.3																		

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code Location Sample Date Depth	ESSB-15-C ESSB-15 5/27/2010 8 to 12 ft			ESSB-15-D ESSB-15 5/27/2010 20 to 24 ft			ESSB-15-F ESSB-15 5/27/2010 44 to 48 ft			ESSB-15-G ESSB-15 5/27/2010 56 to 60 ft			ESSB-16-C ESSB-16 5/28/2010 8 to 12 ft			ESSB-16-D ESSB-16 5/28/2010 20 to 24 ft		
Copper	mg/kg	310																		
Cyanide	mg/kg	4.7																		
Iron	mg/kg	5400																		
Lead	mg/kg	280																		
Magnesium	mg/kg	N/A																		
Manganese	mg/kg	21																		
Mercury	mg/kg	2																		
Nickel	mg/kg	150																		
Potassium	mg/kg	N/A																		
Selenium	mg/kg	5.2																		
Silver	mg/kg	12																		
Sodium	mg/kg	N/A																		
Thallium	mg/kg	0.08																		
Vanadium	mg/kg	39																		
Zinc	mg/kg	2300																		
Additional Parameters																				
% GRANULE & LARGER >2 MM	%	N/A																		
% VERY COURSE SAND >1 - 2 MM	%	N/A																		
% COARSE SAND >.5 - 1 MM	%	N/A																		
% MEDIUM SAND >.25 - .5 MM	%	N/A																		
% FINE SAND >.125 - .25 MM	%	N/A																		
% VERY FINE SAND >.0625 - .125 MM	%	N/A																		
% SILT	%	N/A																		
% CLAY & COLLOIDS	%	N/A																		
pH	s.u.	N/A	6.84		~				6.65		~				5.48		~			
Total Organic Carbon	mg/Kg	N/A	4790		~				1960		~				4540		~			

Notes:
Highlight indicates exceedance

Q - Qualifier

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

	Sample Code	ESSB-15-C	ESSB-15-D	ESSB-15-F	ESSB-15-G	ESSB-16-C	ESSB-16-D
	Location	ESSB-15	ESSB-15	ESSB-15	ESSB-15	ESSB-16	ESSB-16
	Sample Date	5/27/2010	5/27/2010	5/27/2010	5/27/2010	5/28/2010	5/28/2010
	Depth	8 to 12 ft	20 to 24 ft	44 to 48 ft	56 to 60 ft	8 to 12 ft	20 to 24 ft

SC - Site Specific Screening Criteria
C - Comparisor Flag
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ESSB-16-E			ESSB-16-F			ESSB-16-G		
		Location	ESSB-16			ESSB-16			ESSB-16		
		Sample Date	5/28/2010			5/28/2010			5/28/2010		
		Depth	32 to 36 ft			44 to 48 ft			56 to 60 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds											
Dichlorodifluoromethane	ug/Kg	6000	8.3	U		7.9	U		7.2	U	
Chloromethane	ug/Kg	980	8.3	U		7.9	U		7.2	U	
Vinyl Chloride	ug/Kg	13.8	8.3	U		7.9	U		7.2	U	
Bromomethane	ug/Kg	36	8.3	U		7.9	U		7.2	U	
Chloroethane	ug/Kg	118000	8.3	U		7.9	U		7.2	U	
Trichlorofluoromethane	ug/Kg	13800	8.3	U		7.9	U		7.2	U	
1,1-Dichloroethene	ug/Kg	50	8.3	U		7.9	U		7.2	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	8.3	U		7.9	U		7.2	U	
Acetone	ug/Kg	48000	17	U		16	J	#	6.7	J	#
Carbon Disulfide	ug/Kg	4200	8.3	U		7.9	U		7.2	U	
Methyl Acetate	ug/Kg	64000	8.3	U		7.9	U		7.2	U	
Methylene Chloride	ug/Kg	26	8.3	U		7.9	U		7.2	U	
trans-1,2-Dichloroethene	ug/Kg	580	8.3	U		7.9	U		7.2	U	
Methyl tert-Butyl Ether	ug/Kg	56	7.9	J	#	6.8	J	#	40		#
1,1-Dichloroethane	ug/Kg	13.6	8.3	U		7.9	U		7.2	U	
cis-1,2-Dichloroethene	ug/Kg	420	8.3	U		7.9	U		7.2	U	
2-Butanone	ug/Kg	20000	17	U		16	U		14	U	
Chlorobromomethane	ug/Kg	420	8.3	U		7.9	U		7.2	U	
Chloroform	ug/Kg	290	8.3	U		7.9	U		7.2	U	
1,1,1-Trichloroethane	ug/Kg	1400	8.3	U		7.9	U		7.2	U	
Cyclohexane	ug/Kg	117000	8.3	U		7.9	U		7.2	U	
Carbon Tetrachloride	ug/Kg	38	8.3	U		7.9	U		7.2	U	
Benzene	ug/Kg	52	8.3	U		7.9	U		7.2	U	
1,2-Dichloroethane	ug/Kg	28	8.3	U		7.9	U		7.2	U	
1,4-Dioxane	ug/Kg	2.8	170	R		160	R		140	R	
Trichloroethene	ug/Kg	36	8.3	U		7.9	U		7.2	U	

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ESSB-16-E			ESSB-16-F			ESSB-16-G		
		Location	ESSB-16			ESSB-16			ESSB-16		
		Sample Date	5/28/2010			5/28/2010			5/28/2010		
		Depth	32 to 36 ft			44 to 48 ft			56 to 60 ft		
Metylcyclohexane	ug/Kg	N/A	8.3	U		7.9	U		7.2	U	
1,2-Dichloropropane	ug/Kg	34	8.3	U		7.9	U		7.2	U	
Bromodichloromethane	ug/Kg	270	8.3	U		7.9	U		7.2	U	
cis-1,3-Dichloropropene	ug/Kg	3	3.3	U		3.2	U		2.9	U	
4-Methyl-2-pentanone	ug/Kg	4600	17	U		16	U		14	U	
Toluene	ug/Kg	13800	8.3	U		7.9	U		7.2	U	
trans-1,3-Dichloropropene	ug/Kg	3	3.3	U		3.2	U		2.9	U	
1,1,2-Trichloroethane	ug/Kg	32	8.3	U		7.9	U		7.2	U	
Tetrachloroethene	ug/Kg	46	8.3	U		7.9	U		7.2	U	
2-Hexanone	ug/Kg	158	17	U		16	U		14	U	
Dibromochloromethane	ug/Kg	420	8.3	U		7.9	U		7.2	U	
1,2-Dibromoethane	ug/Kg	0.28	8.3	U		7.9	U		7.2	U	
Chlorobenzene	ug/Kg	1360	8.3	U		7.9	U		7.2	U	
Ethylbenzene	ug/Kg	5400	8.3	U		7.9	U		7.2	U	
o-Xylene	ug/Kg	3800	8.3	U		7.9	U		7.2	U	
m,p-Xylene	ug/Kg	3600	8.3	U		7.9	U		7.2	U	
Styrene	ug/Kg	2200	8.3	U		7.9	U		7.2	U	
Bromoform	ug/Kg	420	8.3	U		7.9	U		7.2	U	
Isopropylbenzene	ug/Kg	12800	8.3	U		7.9	U		7.2	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	3.3	U		3.2	U		2.9	U	
1,3-Dichlorobenzene	ug/Kg	N/A	8.3	U		7.9	U		7.2	U	
1,4-Dichlorobenzene	ug/Kg	1440	8.3	U		7.9	U		7.2	U	
1,2-Dichlorobenzene	ug/Kg	11600	8.3	U		7.9	U		7.2	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	8.3	U		7.9	U		7.2	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	8.3	U		7.9	U		7.2	U	
1,2,3-Trichlorobenzene	ug/Kg	300	8.3	U		7.9	U		7.2	U	
Semi-Volatile Organic Compounds											

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ESSB-16-E			ESSB-16-F			ESSB-16-G		
		Location	ESSB-16			ESSB-16			ESSB-16		
		Sample Date	5/28/2010			5/28/2010			5/28/2010		
		Depth	32 to 36 ft			44 to 48 ft			56 to 60 ft		
Benzaldehyde	ug/Kg	6600									
Phenol	ug/Kg	52000									
bis(2-Chloroethyl) ether	ug/Kg	0.06									
2-Chlorophenol	ug/Kg	1140									
2-Methylphenol	ug/Kg	11600									
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2									
Acetophenone	ug/Kg	9000									
4-Methylphenol	ug/Kg	22000									
n-Nitroso-di-n-propylamine	ug/Kg	0.14									
Hexachloroethane	ug/Kg	9.6									
Nitrobenzene	ug/Kg	1.58									
Isophorone	ug/Kg	440									
2-Nitrophenol	ug/Kg	N/A									
2,4-Dimethylphenol	ug/Kg	6400									
bis(2-Chloroethoxy)methane	ug/Kg	220									
2,4-Dichlorophenol	ug/Kg	820									
Naphthalene	ug/Kg	9.4									
4-Chloroaniline	ug/Kg	2.6									
Hexachlorobutadiene	ug/Kg	10									
Caprolactam	ug/Kg	38000									
4-Chloro-3-methylphenol	ug/Kg	26000									
2-Methylnaphthalene	ug/Kg	2800									
Hexachlorocyclopentadiene	ug/Kg	3200									
2,4,6-Trichlorophenol	ug/Kg	260									
2,4,5-Trichlorophenol	ug/Kg	66000									
1,1'-Biphenyl	ug/Kg	174									
2-Chloronaphthalene	ug/Kg	58000									
2-Nitroaniline	ug/Kg	1240									

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ESSB-16-E			ESSB-16-F			ESSB-16-G		
		Location	ESSB-16			ESSB-16			ESSB-16		
		Sample Date	5/28/2010			5/28/2010			5/28/2010		
		Depth	32 to 36 ft			44 to 48 ft			56 to 60 ft		
Dimethylphthalate	ug/Kg	N/A									
2,6-Dinitrotoluene	ug/Kg	400									
Acenaphthylene	ug/Kg	N/A									
3-Nitroaniline	ug/Kg	N/A									
Acenaphthene	ug/Kg	82000									
2,4-Dinitrophenol	ug/Kg	680									
4-Nitrophenol	ug/Kg	N/A									
Dibenzofuran	ug/Kg	N/A									
2,4-Dinitrotoluene	ug/Kg	5.6									
Diethylphthalate	ug/Kg	94000									
Fluorene	ug/Kg	80000									
4-Chlorophenyl-phenylether	ug/Kg	N/A									
4-Nitroaniline	ug/Kg	28									
4,6-Dinitro-2-methylphenol	ug/Kg	40									
n-Nitrosodiphenylamine	ug/Kg	1140									
1,2,4,5-Tetrachlorobenzene	ug/Kg	116									
4-Bromophenyl-phenylether	ug/Kg	N/A									
Hexachlorobenzene	ug/Kg	260									
Atrazine	ug/Kg	38									
Pentachlorophenol	ug/Kg	200									
Phenanthrene	ug/Kg	N/A									
Anthracene	ug/Kg	840000									
Carbazole	ug/Kg	N/A									
Di-n-butylphthalate	ug/Kg	34000									
Fluoranthene	ug/Kg	230000									
Pyrene	ug/Kg	170000									
Butylbenzylphthalate	ug/Kg	4000									
3,3'-Dichlorobenzidine	ug/Kg	14.2									

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ESSB-16-E			ESSB-16-F			ESSB-16-G		
		Location	ESSB-16			ESSB-16			ESSB-16		
		Sample Date	5/28/2010			5/28/2010			5/28/2010		
		Depth	32 to 36 ft			44 to 48 ft			56 to 60 ft		
Benzo(a)anthracene	ug/Kg	150									
Chrysene	ug/Kg	15000									
bis(2-Ethylhexyl) phthalate	ug/Kg	28000									
Di-n-octylphthalate	ug/Kg	N/A									
Benzo(b)fluoranthene	ug/Kg	150									
Benzo(k)fluoranthene	ug/Kg	1500									
Benzo(a)pyrene	ug/Kg	15									
Indeno(1,2,3-cd)pyrene	ug/Kg	150									
Dibenz(a,h)anthracene	ug/Kg	15									
Benzo(g,h,i)perylene	ug/Kg	N/A									
Chlorophenols	ug/Kg	22000									
PCBs											
Aroclor-1016	ug/Kg	390									
Aroclor-1221	ug/Kg	1.48									
Aroclor-1232	ug/Kg	1.48									
Aroclor-1242	ug/Kg	106									
Aroclor-1248	ug/Kg	104									
Aroclor-1254	ug/Kg	110									
Aroclor-1260	ug/Kg	220									
Aroclor-1262	ug/Kg	220									
Aroclor-1268	ug/Kg	220									
Pesticides											
alpha-BHC	ug/Kg	0.72									
beta-BHC	ug/Kg	2.6									
delta-BHC	ug/Kg	N/A									
gamma-BHC (Lindane)	ug/Kg	24									

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ESSB-16-E			ESSB-16-F			ESSB-16-G		
		Location	ESSB-16			ESSB-16			ESSB-16		
		Sample Date	5/28/2010			5/28/2010			5/28/2010		
		Depth	32 to 36 ft			44 to 48 ft			56 to 60 ft		
Heptachlor	ug/Kg	110									
Aldrin	ug/Kg	0.68									
Heptachlor epoxide	ug/Kg	53									
Endosulfan I	ug/Kg	22000									
Dieldrin	ug/Kg	1.22									
4,4'-DDE	ug/Kg	920									
Endrin	ug/Kg	1620									
Endosulfan II	ug/Kg	22000									
4,4'-DDD	ug/Kg	1320									
Endosulfan sulfate	ug/Kg	22000									
4,4'-DDT	ug/Kg	1340									
Methoxychlor	ug/Kg	31000									
Endrin ketone	ug/Kg	1620									
Endrin aldehyde	ug/Kg	1620									
alpha-Chlordane	ug/Kg	1600									
gamma-Chlordane	ug/Kg	1600									
Toxaphene	ug/Kg	440									
Inorganic Analytes											
Aluminum	mg/kg	7700									
Antimony	mg/kg	3.1									
Arsenic	mg/kg	0.39									
Barium	mg/kg	1500									
Beryllium	mg/kg	16									
Cadmium	mg/kg	7									
Calcium	mg/kg	N/A									
Chromium	mg/kg	0.29									
Cobalt	mg/kg	2.3									

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code Location Sample Date Depth	ESSB-16-E ESSB-16 5/28/2010 32 to 36 ft			ESSB-16-F ESSB-16 5/28/2010 44 to 48 ft			ESSB-16-G ESSB-16 5/28/2010 56 to 60 ft		
Copper	mg/kg	310									
Cyanide	mg/kg	4.7									
Iron	mg/kg	5400									
Lead	mg/kg	280									
Magnesium	mg/kg	N/A									
Manganese	mg/kg	21									
Mercury	mg/kg	2									
Nickel	mg/kg	150									
Potassium	mg/kg	N/A									
Selenium	mg/kg	5.2									
Silver	mg/kg	12									
Sodium	mg/kg	N/A									
Thallium	mg/kg	0.08									
Vanadium	mg/kg	39									
Zinc	mg/kg	2300									
Additional Parameters											
% GRANULE & LARGER >2 MM	%	N/A									
% VERY COURSE SAND >1 - 2 MM	%	N/A									
% COARSE SAND >.5 - 1 MM	%	N/A									
% MEDIUM SAND >.25 - .5 MM	%	N/A									
% FINE SAND >.125 - .25 MM	%	N/A									
% VERY FINE SAND >.0625 - .125 MM	%	N/A									
% SILT	%	N/A									
% CLAY & COLLOIDS	%	N/A									
pH	s.u.	N/A				7.4		~			
Total Organic Carbon	mg/Kg	N/A				1800		~			

Notes:
Highlight indicates exceedance

Q - Qualifier

Esso - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

	Sample Code	ESSB-16-E	ESSB-16-F	ESSB-16-G
	Location	ESSB-16	ESSB-16	ESSB-16
	Sample Date	5/28/2010	5/28/2010	5/28/2010
	Depth	32 to 36 ft	44 to 48 ft	56 to 60 ft

SC - Site Specific Screening Criteria
C - Comparisor Flag
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

CCL Label - Soil Sample Results Full Table (Stage 1)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-01-A			CCSB-01-B			CCSB-01-C			CCSB-01-D			CCSB-02-A			CCSB-02-B		
		Location	CCSB-01			CCSB-01			CCSB-01			CCSB-01			CCSB-02			CCSB-02		
		Sample Date	11/8/2007			11/8/2007			11/8/2007			11/8/2007			11/8/2007			11/8/2007		
		Depth	0 to 1 ft			5 to 7 ft			41 to 43 ft			72 to 74 ft			0 to 1 ft			9 to 11 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
Chloromethane	ug/Kg	980	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
Vinyl Chloride	ug/Kg	13.8	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
Bromomethane	ug/Kg	36	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
Chloroethane	ug/Kg	118000	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
Trichlorofluoromethane	ug/Kg	13800	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
1,1-Dichloroethene	ug/Kg	50	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
Acetone	ug/Kg	48000	21		#	74		#	12	U		13	U		18		#	33		#
Carbon Disulfide	ug/Kg	4200	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
Methyl Acetate	ug/Kg	64000	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
Methylene Chloride	ug/Kg	26	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
trans-1,2-Dichloroethene	ug/Kg	580	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
Methyl tert-Butyl Ether	ug/Kg	56	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
1,1-Dichloroethane	ug/Kg	13.6	7.1	U		6.4	U		5.9	UJ		6.3	U		6	U		6.3	U	
cis-1,2-Dichloroethene	ug/Kg	420	7.1	U		6.4	U		10		#	66		#	6	U		6.3	U	
2-Butanone	ug/Kg	20000	14	U		21		#	12	U		13	U		12	U		13	U	
Chlorobromomethane	ug/Kg	420	7.1	U		6.4	U		5.9	UJ		6.3	U		6	U		6.3	U	
Chloroform	ug/Kg	290	7.1	U		6.4	U		5.9	UJ		6.3	U		6	U		6.3	U	
1,1,1-Trichloroethane	ug/Kg	1400	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
Cyclohexane	ug/Kg	117000	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
Carbon Tetrachloride	ug/Kg	38	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
Benzene	ug/Kg	52	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
1,2-Dichloroethane	ug/Kg	28	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
1,4-Dioxane	ug/Kg	2.8	140	R		130	R		120	R		130	R		120	R		130	R	
Trichloroethene	ug/Kg	36	7.1	U		6.4	U		5.9	U		18	J	#	6	U		6.3	U	

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		Sample Code	CCSB-01-A			CCSB-01-B			CCSB-01-C			CCSB-01-D			CCSB-02-A			CCSB-02-B		
		Location	CCSB-01			CCSB-01			CCSB-01			CCSB-01			CCSB-02			CCSB-02		
		Sample Date	11/8/2007			11/8/2007			11/8/2007			11/8/2007			11/8/2007			11/8/2007		
		Depth	0 to 1 ft			5 to 7 ft			41 to 43 ft			72 to 74 ft			0 to 1 ft			9 to 11 ft		
Metylcyclohexane	ug/Kg	N/A	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
1,2-Dichloropropane	ug/Kg	34	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
Bromodichloromethane	ug/Kg	270	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
cis-1,3-Dichloropropene	ug/Kg	3	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
4-Methyl-2-pentanone	ug/Kg	4600	14	U		13	U		12	U		13	U		12	U		13	U	
Toluene	ug/Kg	13800	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
trans-1,3-Dichloropropene	ug/Kg	3	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
1,1,2-Trichloroethane	ug/Kg	32	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
Tetrachloroethene	ug/Kg	46	7.1	U		6.4	U		30		#	**110**		A	6	U		6.3	U	
2-Hexanone	ug/Kg	158	14	U		13	U		12	U		13	U		12	U		13	U	
Dibromochloromethane	ug/Kg	420	7.1	U		6.4	U		5.9	UJ		6.3	U		6	U		6.3	U	
1,2-Dibromoethane	ug/Kg	0.28	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
Chlorobenzene	ug/Kg	1360	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
Ethylbenzene	ug/Kg	5400	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
o-Xylene	ug/Kg	3800	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
m,p-Xylene	ug/Kg	3600	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
Styrene	ug/Kg	2200	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
Bromoform	ug/Kg	420	7.1	U		6.4	U		5.9	UJ		6.3	U		6	U		6.3	U	
Isopropylbenzene	ug/Kg	12800	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
1,3-Dichlorobenzene	ug/Kg	N/A	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
1,4-Dichlorobenzene	ug/Kg	1440	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
1,2-Dichlorobenzene	ug/Kg	11600	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
1,2,3-Trichlorobenzene	ug/Kg	300	7.1	U		6.4	U		5.9	U		6.3	U		6	U		6.3	U	
Semi-Volatile Organic Compounds																				

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		Sample Code	CCSB-01-A		CCSB-01-B		CCSB-01-C		CCSB-01-D		CCSB-02-A		CCSB-02-B	
		Location	CCSB-01		CCSB-01		CCSB-01		CCSB-01		CCSB-02		CCSB-02	
		Sample Date	11/8/2007		11/8/2007		11/8/2007		11/8/2007		11/8/2007		11/8/2007	
		Depth	0 to 1 ft		5 to 7 ft		41 to 43 ft		72 to 74 ft		0 to 1 ft		9 to 11 ft	
Benzaldehyde	ug/Kg	6600	240	U	210	U	240	U	250	U	230	U	250	U
Phenol	ug/Kg	52000	240	U	210	U	240	U	250	U	230	U	250	U
bis(2-Chloroethyl) ether	ug/Kg	0.06	240	U	210	U	240	U	250	U	230	U	250	U
2-Chlorophenol	ug/Kg	1140	240	U	210	U	240	U	250	U	230	U	250	U
2-Methylphenol	ug/Kg	11600	240	U	210	U	240	U	250	U	230	U	250	U
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	240	U	210	U	240	U	250	U	230	U	250	U
Acetophenone	ug/Kg	9000	240	U	210	U	240	U	250	U	230	U	250	U
4-Methylphenol	ug/Kg	22000	240	U	210	U	240	U	250	U	230	U	250	U
n-Nitroso-di-n-propylamine	ug/Kg	0.14	240	U	210	U	240	U	250	U	230	U	250	U
Hexachloroethane	ug/Kg	9.6	240	U	210	U	240	U	250	U	230	U	250	U
Nitrobenzene	ug/Kg	1.58	240	U	210	U	240	U	250	U	230	U	250	U
Isophorone	ug/Kg	440	240	U	210	U	240	U	250	U	230	U	250	U
2-Nitrophenol	ug/Kg	N/A	240	U	210	U	240	U	250	U	230	U	250	U
2,4-Dimethylphenol	ug/Kg	6400	240	U	210	U	240	U	250	U	230	U	250	U
bis(2-Chloroethoxy)methane	ug/Kg	220	240	U	210	U	240	U	250	U	230	U	250	U
2,4-Dichlorophenol	ug/Kg	820	240	U	210	U	240	U	250	U	230	U	250	U
Naphthalene	ug/Kg	9.4	240	U	210	U	240	U	250	U	230	U	250	U
4-Chloroaniline	ug/Kg	2.6	240	U	210	U	240	U	250	U	230	U	250	U
Hexachlorobutadiene	ug/Kg	10	240	U	210	U	240	U	250	U	230	U	250	U
Caprolactam	ug/Kg	38000	240	U	210	U	240	U	250	U	230	U	250	U
4-Chloro-3-methylphenol	ug/Kg	26000	240	U	210	U	240	U	250	U	230	U	250	U
2-Methylnaphthalene	ug/Kg	2800	240	U	210	U	240	U	250	U	230	U	250	U
Hexachlorocyclopentadiene	ug/Kg	3200	240	U	210	U	240	U	250	U	230	U	250	U
2,4,6-Trichlorophenol	ug/Kg	260	240	U	210	U	240	U	250	U	230	U	250	U
2,4,5-Trichlorophenol	ug/Kg	66000	240	U	210	U	240	U	250	U	230	U	250	U
1,1'-Biphenyl	ug/Kg	174	240	U	210	U	240	U	250	U	230	U	250	U
2-Chloronaphthalene	ug/Kg	58000	240	U	210	U	240	U	250	U	230	U	250	U
2-Nitroaniline	ug/Kg	1240	460	U	420	U	470	U	490	U	440	U	490	U

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		Sample Code	CCSB-01-A		CCSB-01-B		CCSB-01-C		CCSB-01-D		CCSB-02-A		CCSB-02-B	
		Location	CCSB-01		CCSB-01		CCSB-01		CCSB-01		CCSB-02		CCSB-02	
		Sample Date	11/8/2007		11/8/2007		11/8/2007		11/8/2007		11/8/2007		11/8/2007	
		Depth	0 to 1 ft		5 to 7 ft		41 to 43 ft		72 to 74 ft		0 to 1 ft		9 to 11 ft	
Dimethylphthalate	ug/Kg	N/A	240	U	210	U	240	U	250	U	230	U	250	U
2,6-Dinitrotoluene	ug/Kg	400	240	U	210	U	240	U	250	U	230	U	250	U
Acenaphthylene	ug/Kg	N/A	240	U	210	U	240	U	250	U	230	U	250	U
3-Nitroaniline	ug/Kg	N/A	460	U	420	U	470	U	490	U	440	U	490	U
Acenaphthene	ug/Kg	82000	240	U	210	U	240	U	250	U	230	U	250	U
2,4-Dinitrophenol	ug/Kg	680	460	U	420	U	470	U	490	U	440	U	490	U
4-Nitrophenol	ug/Kg	N/A	460	U	420	U	470	U	490	U	440	U	490	U
Dibenzofuran	ug/Kg	N/A	240	U	210	U	240	U	250	U	230	U	250	U
2,4-Dinitrotoluene	ug/Kg	5.6	240	U	210	U	240	U	250	U	230	U	250	U
Diethylphthalate	ug/Kg	94000	240	U	210	U	240	U	250	U	230	U	250	U
Fluorene	ug/Kg	80000	240	U	210	U	240	U	250	U	230	U	250	U
4-Chlorophenyl-phenylether	ug/Kg	N/A	240	U	210	U	240	U	250	U	230	U	250	U
4-Nitroaniline	ug/Kg	28	460	U	420	U	470	U	490	U	440	U	490	U
4,6-Dinitro-2-methylphenol	ug/Kg	40	460	U	420	U	470	U	490	U	440	U	490	U
n-Nitrosodiphenylamine	ug/Kg	1140	240	U	210	U	240	U	250	U	230	U	250	U
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	240	U	210	U	240	U	250	U	230	U	250	U
4-Bromophenyl-phenylether	ug/Kg	N/A	240	U	210	U	240	U	250	U	230	U	250	U
Hexachlorobenzene	ug/Kg	260	240	U	210	U	240	U	250	U	230	U	250	U
Atrazine	ug/Kg	38	240	U	210	U	240	U	250	U	230	U	250	U
Pentachlorophenol	ug/Kg	200	460	U	420	U	470	U	490	U	440	U	490	U
Phenanthrene	ug/Kg	N/A	240	U	210	U	240	U	250	U	230	U	250	U
Anthracene	ug/Kg	840000	240	U	210	U	240	U	250	U	230	U	250	U
Carbazole	ug/Kg	N/A	240	U	210	U	240	U	250	U	230	U	250	U
Di-n-butylphthalate	ug/Kg	34000	240	U	210	U	240	U	250	U	230	U	250	U
Fluoranthene	ug/Kg	230000	240	U	210	U	240	U	250	U	230	U	250	U
Pyrene	ug/Kg	170000	240	U	210	U	240	U	250	U	230	U	250	U
Butylbenzylphthalate	ug/Kg	4000	240	U	210	U	240	U	250	U	230	U	250	U
3,3'-Dichlorobenzidine	ug/Kg	14.2	240	U	210	U	240	U	250	U	230	U	250	U

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		Sample Code	CCSB-01-A			CCSB-01-B			CCSB-01-C			CCSB-01-D			CCSB-02-A			CCSB-02-B		
		Location	CCSB-01			CCSB-01			CCSB-01			CCSB-01			CCSB-02			CCSB-02		
		Sample Date	11/8/2007			11/8/2007			11/8/2007			11/8/2007			11/8/2007			11/8/2007		
		Depth	0 to 1 ft			5 to 7 ft			41 to 43 ft			72 to 74 ft			0 to 1 ft			9 to 11 ft		
Benzo(a)anthracene	ug/Kg	150	240	U		210	U		240	U		250	U		230	U		250	U	
Chrysene	ug/Kg	15000	240	U		210	U		240	U		250	U		230	U		250	U	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	100	J	#	210	U		240	U		82	J	#	230	U		250	U	
Di-n-octylphthalate	ug/Kg	N/A	240	U		210	U		240	U		250	U		230	U		250	U	
Benzo(b)fluoranthene	ug/Kg	150	240	U		210	U		240	U		250	U		230	U		250	U	
Benzo(k)fluoranthene	ug/Kg	1500	240	U		210	U		240	U		250	U		230	U		250	U	
Benzo(a)pyrene	ug/Kg	15	240	U		210	U		240	U		250	U		230	U		250	U	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	240	U		210	U		240	U		250	U		230	U		250	U	
Dibenz(a,h)anthracene	ug/Kg	15	240	U		210	U		240	U		250	U		230	U		250	U	
Benzo(g,h,i)perylene	ug/Kg	N/A	240	U		210	U		240	U		250	U		230	U		250	U	
Chlorophenols	ug/Kg	22000	240	U		210	U		240	U		250	U		230	U		250	U	
PCBs																				
Aroclor-1016	ug/Kg	390	46	UJ		42	U		47	U		49	U		45	U		49	U	
Aroclor-1221	ug/Kg	1.48	46	UJ		42	U		47	U		49	U		45	U		49	U	
Aroclor-1232	ug/Kg	1.48	46	UJ		42	U		47	U		49	U		45	U		49	U	
Aroclor-1242	ug/Kg	106	46	UJ		42	U		47	U		49	U		45	U		49	U	
Aroclor-1248	ug/Kg	104	46	UJ		42	U		47	U		49	U		45	U		49	U	
Aroclor-1254	ug/Kg	110	46	UJ		42	U		47	U		49	U		45	U		49	U	
Aroclor-1260	ug/Kg	220	46	UJ		42	U		47	U		49	U		45	U		49	U	
Aroclor-1262	ug/Kg	220	46	UJ		42	U		47	U		49	U		45	U		49	U	
Aroclor-1268	ug/Kg	220	46	UJ		42	U		47	U		49	U		45	U		49	U	
Pesticides																				
alpha-BHC	ug/Kg	0.72	2.4	U		2.1	U		2.4	U		2.5	U		2.3	U		2.5	U	
beta-BHC	ug/Kg	2.6	2.4	U		2.1	U		2.4	U		2.5	U		2.3	U		2.5	U	
delta-BHC	ug/Kg	N/A	2.4	U		2.1	U		2.4	U		2.5	U		2.3	U		2.5	U	
gamma-BHC (Lindane)	ug/Kg	24	2.4	U		2.1	U		2.4	U		2.5	U		2.3	U		2.5	U	

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		Sample Code	CCSB-01-A			CCSB-01-B			CCSB-01-C			CCSB-01-D			CCSB-02-A			CCSB-02-B		
		Location	CCSB-01			CCSB-01			CCSB-01			CCSB-01			CCSB-02			CCSB-02		
		Sample Date	11/8/2007			11/8/2007			11/8/2007			11/8/2007			11/8/2007			11/8/2007		
		Depth	0 to 1 ft			5 to 7 ft			41 to 43 ft			72 to 74 ft			0 to 1 ft			9 to 11 ft		
Heptachlor	ug/Kg	110	2.4	U		2.1	U		2.4	U		2.5	U		2.3	U		2.5	U	
Aldrin	ug/Kg	0.68	2.4	U		2.1	UJ		2.4	U		2.5	U		2.3	U		2.5	U	
Heptachlor epoxide	ug/Kg	53	2.4	U		2.1	U		2.4	U		2.5	U		2.3	U		2.5	U	
Endosulfan I	ug/Kg	22000	2.4	U		2.1	U		2.4	U		2.5	U		2.3	U		2.5	U	
Dieldrin	ug/Kg	1.22	4.6	U		4.2	UJ		4.7	U		4.9	U		4.5	U		4.9	U	
4,4'-DDE	ug/Kg	920	4.6	U		4.2	U		4.7	U		4.9	U		4.5	U		4.9	U	
Endrin	ug/Kg	1620	4.6	U		4.2	U		4.7	U		4.9	U		4.5	U		4.9	U	
Endosulfan II	ug/Kg	22000	4.6	U		4.2	U		4.7	U		4.9	U		4.5	U		4.9	U	
4,4'-DDD	ug/Kg	1320	4.6	U		4.2	U		4.7	U		4.9	U		4.5	U		4.9	U	
Endosulfan sulfate	ug/Kg	22000	4.6	U		4.2	U		4.7	U		4.9	U		4.5	U		4.9	U	
4,4'-DDT	ug/Kg	1340	4.6	U		4.2	UJ		4.7	U		4.9	U		4.5	U		4.9	U	
Methoxychlor	ug/Kg	31000	24	U		21	U		24	U		25	U		23	U		25	U	
Endrin ketone	ug/Kg	1620	4.6	U		4.2	U		4.7	U		4.9	U		4.5	U		4.9	U	
Endrin aldehyde	ug/Kg	1620	4.6	U		4.2	U		4.7	U		4.9	U		4.5	U		4.9	U	
alpha-Chlordane	ug/Kg	1600	2.4	U		2.1	U		2.4	U		2.5	U		2.3	U		2.5	U	
gamma-Chlordane	ug/Kg	1600	2.4	U		2.1	U		2.4	U		2.5	U		2.3	U		2.5	U	
Toxaphene	ug/Kg	440	240	U		210	U		240	U		250	U		230	U		250	U	
Inorganic Analytes																				
Aluminum	mg/kg	7700	**16400**		A	**14700**		A	**37700**		A	**48800**		A	**11900**		A	**21100**		A
Antimony	mg/kg	3.1	21.3	U		19.7	U		21.4	U		22.3	U		20.5	U		22.7	U	
Arsenic	mg/kg	0.39	**2**		A	**6.8**		A	1.4	U		1.5	U		**0.85**	J	A	1.5	U	
Barium	mg/kg	1500	86.6		#	147		#	565		#	919		#	71.4		#	30.2	U	
Beryllium	mg/kg	16	0.71	U		0.66	U		0.71	U		0.75	U		0.68	U		0.76	U	
Cadmium	mg/kg	7	1.2		#	0.99		#	2.2		#	2.9		#	1.1		#	1.1		#
Calcium	mg/kg	N/A	5230	J	~	3990	J	~	2770	J	~	2890	J	~	2000	J	~	744	J	~
Chromium	mg/kg	0.29	**65.4**		A	**74.9**		A	**79.6**		A	**104**		A	**88.5**		A	**47**		A
Cobalt	mg/kg	2.3	**29.1**	J	A	**57.1**	J	A	**40.6**	J	A	**63.7**	J	A	**26.2**	J	A	**11.4**	J	A
Copper	mg/kg	310	105		#	114		#	130		#	149		#	121		#	146		#

CCL Label - Soil Sample Results Full Table (Stage 1)
Cidra Groundwater Contamination Site
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		Sample Code	CCSB-01-A			CCSB-01-B			CCSB-01-C			CCSB-01-D			CCSB-02-A			CCSB-02-B		
		Location	CCSB-01			CCSB-01			CCSB-01			CCSB-01			CCSB-02			CCSB-02		
		Sample Date	11/8/2007			11/8/2007			11/8/2007			11/8/2007			11/8/2007			11/8/2007		
		Depth	0 to 1 ft			5 to 7 ft			41 to 43 ft			72 to 74 ft			0 to 1 ft			9 to 11 ft		
Cyanide	mg/kg	4.7	3.6	U		3.3	U		3.6	U		3.8	U		1.3	J	#	3.8	U	
Iron	mg/kg	5400	65000	R		71500	R		63300	R		69300	R		82500	R		86200	R	
Lead	mg/kg	280	5.7		#	0.61	J	#	1.4	U		1.5	U		1.3	U		1.5	U	
Magnesium	mg/kg	N/A	4550		~	2790		~	21600		~	18000		~	874		~	876		~
Manganese	mg/kg	21	**1740**	J	A	**4350**	J	A	**1350**	J	A	**2200**	J	A	**2190**	J	A	**1140**	J	A
Mercury	mg/kg	2	0.097	J	#	0.19		#	0.087	J	#	0.14	J	#	0.096	J	#	0.15	U	
Nickel	mg/kg	150	19.4		#	14.1		#	58.4		#	52.9		#	14.7		#	18		#
Potassium	mg/kg	N/A	446	J	~	657	UJ		393	J	~	476	J	~	682	UJ		755	UJ	
Selenium	mg/kg	5.2	5	U		4.6	U		5	U		5.2	U		4.7	U		5.3	U	
Silver	mg/kg	12	3.5	J	#	4.3	J	#	3.9	J	#	4.2	J	#	4.9	J	#	4.9	J	#
Sodium	mg/kg	N/A	279	J	~	376	J	~	179	J	~	90	J	~	38.1	J	~	80.4	J	~
Thallium	mg/kg	0.08	3.6	U		3.3	U		3.6	U		3.7	U		3.4	U		3.8	U	
Vanadium	mg/kg	39	**214**	J	A	**240**	J	A	**165**	J	A	**201**	J	A	**219**	J	A	**218**	J	A
Zinc	mg/kg	2300	70.5	J	#	66.3	J	#	90.3	J	#	171	J	#	54.4	J	#	53.1	J	#
Additional Parameters																				
% GRANULE & LARGER >2 MM	%	N/A				0		~				0		~						
% VERY COURSE SAND >1 - 2 MM	%	N/A				21		~				9		~						
% COARSE SAND >.5 - 1 MM	%	N/A				13		~				13		~						
% MEDIUM SAND >.25 - .5 MM	%	N/A				9		~				20		~						
% FINE SAND >.125 - .25 MM	%	N/A				7		~				17		~						
% VERY FINE SAND >.0625 - .125 MM	%	N/A				4		~				10		~						
% SILT	%	N/A				25		~				29		~						
% CLAY & COLLOIDS	%	N/A				20		~				3		~						
pH	s.u.	N/A				8		~				7		~						
Total Organic Carbon	mg/Kg	N/A				2500		~				270	J	~						

CCL Label - Soil Sample Results Full Table (Stage 1)
Cidra Groundwater Contamination Site
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	Sample Code	CCSB-01-A	CCSB-01-B	CCSB-01-C	CCSB-01-D	CCSB-02-A	CCSB-02-B
	Location	CCSB-01	CCSB-01	CCSB-01	CCSB-01	CCSB-02	CCSB-02
	Sample Date	11/8/2007	11/8/2007	11/8/2007	11/8/2007	11/8/2007	11/8/2007
	Depth	0 to 1 ft	5 to 7 ft	41 to 43 ft	72 to 74 ft	0 to 1 ft	9 to 11 ft

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Comparison Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

CCL Label - Soil Sample Results Full Table (Stage 1)
Cidra Groundwater Contamination Site
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		Sample Code	CCSB-02-C			CCSB-02-D			CCSB-03-A			CCSB-03-B			CCSB-03-C			CCSB-03-D		
		Location	CCSB-02			CCSB-02			CCSB-03			CCSB-03			CCSB-03			CCSB-03		
		Sample Date	11/8/2007			11/8/2007			11/9/2007			11/9/2007			11/9/2007			11/9/2007		
		Depth	21 to 23 ft			55 to 57 ft			0 to 1 ft			9 to 11 ft			21 to 23 ft			62 to 64 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
Chloromethane	ug/Kg	980	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
Vinyl Chloride	ug/Kg	13.8	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
Bromomethane	ug/Kg	36	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
Chloroethane	ug/Kg	118000	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
Trichlorofluoromethane	ug/Kg	13800	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
1,1-Dichloroethene	ug/Kg	50	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
Acetone	ug/Kg	48000	40		#	85		#	13	U		13	U		15	U		15	U	
Carbon Disulfide	ug/Kg	4200	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
Methyl Acetate	ug/Kg	64000	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
Methylene Chloride	ug/Kg	26	7.4	U		8.3	J	#	6.6	U		6.4	U		7.4	U		7.3	U	
trans-1,2-Dichloroethene	ug/Kg	580	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
Methyl tert-Butyl Ether	ug/Kg	56	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
1,1-Dichloroethane	ug/Kg	13.6	7.4	U		6.8	U		6.6	UJ		6.4	U		7.4	U		7.3	U	
cis-1,2-Dichloroethene	ug/Kg	420	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		40		#
2-Butanone	ug/Kg	20000	15	U		14	U		13	U		13	U		15	U		15	U	
Chlorobromomethane	ug/Kg	420	7.4	U		6.8	U		6.6	UJ		6.4	U		7.4	U		7.3	U	
Chloroform	ug/Kg	290	7.4	U		6.8	U		6.6	UJ		6.4	U		7.4	U		7.3	U	
1,1,1-Trichloroethane	ug/Kg	1400	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
Cyclohexane	ug/Kg	117000	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
Carbon Tetrachloride	ug/Kg	38	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
Benzene	ug/Kg	52	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
1,2-Dichloroethane	ug/Kg	28	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
1,4-Dioxane	ug/Kg	2.8	150	R		140	R		130	R		130	R		150	R		150	R	
Trichloroethene	ug/Kg	36	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		11		#

CCL Label - Soil Sample Results Full Table (Stage 1)
Cidra Groundwater Contamination Site
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		Sample Code	CCSB-02-C			CCSB-02-D			CCSB-03-A			CCSB-03-B			CCSB-03-C			CCSB-03-D		
		Location	CCSB-02			CCSB-02			CCSB-03			CCSB-03			CCSB-03			CCSB-03		
		Sample Date	11/8/2007			11/8/2007			11/9/2007			11/9/2007			11/9/2007			11/9/2007		
		Depth	21 to 23 ft			55 to 57 ft			0 to 1 ft			9 to 11 ft			21 to 23 ft			62 to 64 ft		
Metylcyclohexane	ug/Kg	N/A	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
1,2-Dichloropropane	ug/Kg	34	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
Bromodichloromethane	ug/Kg	270	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
cis-1,3-Dichloropropene	ug/Kg	3	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
4-Methyl-2-pentanone	ug/Kg	4600	15	U		14	U		13	U		13	U		15	U		15	U	
Toluene	ug/Kg	13800	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
trans-1,3-Dichloropropene	ug/Kg	3	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
1,1,2-Trichloroethane	ug/Kg	32	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
Tetrachloroethene	ug/Kg	46	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		33		#
2-Hexanone	ug/Kg	158	15	U		14	U		13	U		13	U		15	U		15	U	
Dibromochloromethane	ug/Kg	420	7.4	U		6.8	U		6.6	UJ		6.4	U		7.4	U		7.3	U	
1,2-Dibromoethane	ug/Kg	0.28	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
Chlorobenzene	ug/Kg	1360	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
Ethylbenzene	ug/Kg	5400	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
o-Xylene	ug/Kg	3800	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
m,p-Xylene	ug/Kg	3600	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
Styrene	ug/Kg	2200	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
Bromoform	ug/Kg	420	7.4	U		6.8	U		6.6	UJ		6.4	U		7.4	U		7.3	U	
Isopropylbenzene	ug/Kg	12800	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
1,3-Dichlorobenzene	ug/Kg	N/A	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
1,4-Dichlorobenzene	ug/Kg	1440	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
1,2-Dichlorobenzene	ug/Kg	11600	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
1,2,3-Trichlorobenzene	ug/Kg	300	7.4	U		6.8	U		6.6	U		6.4	U		7.4	U		7.3	U	
Semi-Volatile Organic Compounds																				

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		Sample Code	CCSB-02-C			CCSB-02-D			CCSB-03-A			CCSB-03-B			CCSB-03-C			CCSB-03-D		
		Location	CCSB-02			CCSB-02			CCSB-03			CCSB-03			CCSB-03			CCSB-03		
		Sample Date	11/8/2007			11/8/2007			11/9/2007			11/9/2007			11/9/2007			11/9/2007		
		Depth	21 to 23 ft			55 to 57 ft			0 to 1 ft			9 to 11 ft			21 to 23 ft			62 to 64 ft		
Benzaldehyde	ug/Kg	6600	270	U		240	U		200	U		240	U		270	U		260	U	
Phenol	ug/Kg	52000	270	U		240	U		200	U		240	U		270	U		260	U	
bis(2-Chloroethyl) ether	ug/Kg	0.06	270	U		240	U		200	U		240	U		270	U		260	U	
2-Chlorophenol	ug/Kg	1140	270	U		240	U		200	U		240	U		270	U		260	U	
2-Methylphenol	ug/Kg	11600	270	U		240	U		200	U		240	U		270	U		260	U	
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	270	U		240	U		200	U		240	U		270	U		260	U	
Acetophenone	ug/Kg	9000	270	U		240	U		110	J	#	240	U		270	U		260	U	
4-Methylphenol	ug/Kg	22000	270	U		240	U		200	U		240	U		270	U		260	U	
n-Nitroso-di-n-propylamine	ug/Kg	0.14	270	U		240	U		200	U		240	U		270	U		260	U	
Hexachloroethane	ug/Kg	9.6	270	U		240	U		200	U		240	U		270	U		260	U	
Nitrobenzene	ug/Kg	1.58	270	U		240	U		200	U		240	U		270	U		260	U	
Isophorone	ug/Kg	440	270	U		240	U		200	U		240	U		270	U		260	U	
2-Nitrophenol	ug/Kg	N/A	270	U		240	U		200	U		240	U		270	U		260	U	
2,4-Dimethylphenol	ug/Kg	6400	270	U		240	U		200	U		240	U		270	U		260	U	
bis(2-Chloroethoxy)methane	ug/Kg	220	270	U		240	U		200	U		240	U		270	U		260	U	
2,4-Dichlorophenol	ug/Kg	820	270	U		240	U		200	U		240	U		270	U		260	U	
Naphthalene	ug/Kg	9.4	270	U		240	U		200	U		240	U		270	U		260	U	
4-Chloroaniline	ug/Kg	2.6	270	U		240	U		200	U		240	U		270	U		260	U	
Hexachlorobutadiene	ug/Kg	10	270	U		240	U		200	U		240	U		270	U		260	U	
Caprolactam	ug/Kg	38000	270	U		240	U		200	U		240	U		270	U		260	U	
4-Chloro-3-methylphenol	ug/Kg	26000	270	U		240	U		200	U		240	U		270	U		260	U	
2-Methylnaphthalene	ug/Kg	2800	270	U		240	U		200	U		240	U		270	U		260	U	
Hexachlorocyclopentadiene	ug/Kg	3200	270	U		240	U		200	U		240	U		270	U		260	U	
2,4,6-Trichlorophenol	ug/Kg	260	270	U		240	U		200	U		240	U		270	U		260	U	
2,4,5-Trichlorophenol	ug/Kg	66000	270	U		240	U		200	U		240	U		270	U		260	U	
1,1'-Biphenyl	ug/Kg	174	270	U		240	U		200	U		240	U		270	U		260	U	
2-Chloronaphthalene	ug/Kg	58000	270	U		240	U		200	U		240	U		270	U		260	U	
2-Nitroaniline	ug/Kg	1240	510	U		470	U		400	U		460	U		520	U		510	U	

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Cidra Groundwater Contamination Site
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		Sample Code	CCSB-02-C		CCSB-02-D		CCSB-03-A		CCSB-03-B		CCSB-03-C		CCSB-03-D	
		Location	CCSB-02		CCSB-02		CCSB-03		CCSB-03		CCSB-03		CCSB-03	
		Sample Date	11/8/2007		11/8/2007		11/9/2007		11/9/2007		11/9/2007		11/9/2007	
		Depth	21 to 23 ft		55 to 57 ft		0 to 1 ft		9 to 11 ft		21 to 23 ft		62 to 64 ft	
Dimethylphthalate	ug/Kg	N/A	270	U	240	U	200	U	240	U	270	U	260	U
2,6-Dinitrotoluene	ug/Kg	400	270	U	240	U	200	U	240	U	270	U	260	U
Acenaphthylene	ug/Kg	N/A	270	U	240	U	200	U	240	U	270	U	260	U
3-Nitroaniline	ug/Kg	N/A	510	U	470	U	400	U	460	U	520	U	510	U
Acenaphthene	ug/Kg	82000	270	U	240	U	200	U	240	U	270	U	260	U
2,4-Dinitrophenol	ug/Kg	680	510	U	470	U	400	U	460	U	520	U	510	U
4-Nitrophenol	ug/Kg	N/A	510	U	470	U	400	U	460	U	520	U	510	U
Dibenzofuran	ug/Kg	N/A	270	U	240	U	200	U	240	U	270	U	260	U
2,4-Dinitrotoluene	ug/Kg	5.6	270	U	240	U	200	U	240	U	270	U	260	U
Diethylphthalate	ug/Kg	94000	270	U	240	U	200	U	240	U	270	U	260	U
Fluorene	ug/Kg	80000	270	U	240	U	200	U	240	U	270	U	260	U
4-Chlorophenyl-phenylether	ug/Kg	N/A	270	U	240	U	200	U	240	U	270	U	260	U
4-Nitroaniline	ug/Kg	28	510	U	470	U	400	U	460	U	520	U	510	U
4,6-Dinitro-2-methylphenol	ug/Kg	40	510	U	470	U	400	U	460	U	520	U	510	U
n-Nitrosodiphenylamine	ug/Kg	1140	270	U	240	U	200	U	240	U	270	U	260	U
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	270	U	240	U	200	U	240	U	270	U	260	U
4-Bromophenyl-phenylether	ug/Kg	N/A	270	U	240	U	200	U	240	U	270	U	260	U
Hexachlorobenzene	ug/Kg	260	270	U	240	U	200	U	240	U	270	U	260	U
Atrazine	ug/Kg	38	270	U	240	U	200	U	240	U	270	U	260	U
Pentachlorophenol	ug/Kg	200	510	U	470	U	400	U	460	U	520	U	510	U
Phenanthrene	ug/Kg	N/A	270	U	240	U	200	U	240	U	270	U	260	U
Anthracene	ug/Kg	840000	270	U	240	U	200	U	240	U	270	U	260	U
Carbazole	ug/Kg	N/A	270	U	240	U	200	U	240	U	270	U	260	U
Di-n-butylphthalate	ug/Kg	34000	270	U	240	U	200	U	240	U	270	U	260	U
Fluoranthene	ug/Kg	230000	270	U	240	U	200	U	240	U	270	U	260	U
Pyrene	ug/Kg	170000	270	U	240	U	200	U	240	U	270	U	260	U
Butylbenzylphthalate	ug/Kg	4000	270	U	240	U	200	U	240	U	270	U	260	U
3,3'-Dichlorobenzidine	ug/Kg	14.2	270	U	240	U	200	U	240	U	270	U	260	U

CCL Label - Soil Sample Results Full Table (Stage 1)
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		Sample Code	CCSB-02-C			CCSB-02-D			CCSB-03-A			CCSB-03-B			CCSB-03-C			CCSB-03-D		
		Location	CCSB-02			CCSB-02			CCSB-03			CCSB-03			CCSB-03			CCSB-03		
		Sample Date	11/8/2007			11/8/2007			11/9/2007			11/9/2007			11/9/2007			11/9/2007		
		Depth	21 to 23 ft			55 to 57 ft			0 to 1 ft			9 to 11 ft			21 to 23 ft			62 to 64 ft		
Benzo(a)anthracene	ug/Kg	150	270	U		240	U		200	U		240	U		270	U		260	U	
Chrysene	ug/Kg	15000	270	U		240	U		200	U		240	U		270	U		260	U	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	270	U		240	U		200	U		240	U		270	U		260	U	
Di-n-octylphthalate	ug/Kg	N/A	270	U		240	U		200	U		240	U		270	U		260	U	
Benzo(b)fluoranthene	ug/Kg	150	270	U		240	U		200	U		240	U		270	U		260	U	
Benzo(k)fluoranthene	ug/Kg	1500	270	U		240	U		200	U		240	U		270	U		260	U	
Benzo(a)pyrene	ug/Kg	15	270	U		240	U		200	U		240	U		270	U		260	U	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	270	U		240	U		200	U		240	U		270	U		260	U	
Dibenz(a,h)anthracene	ug/Kg	15	270	U		240	U		200	U		240	U		270	U		260	U	
Benzo(g,h,i)perylene	ug/Kg	N/A	270	U		240	U		200	U		240	U		270	U		260	U	
Chlorophenols	ug/Kg	22000	270	U		240	U		200	U		240	U		270	U		260	U	
PCBs																				
Aroclor-1016	ug/Kg	390	51	U		47	U		40	U		46	U		51	U		51	U	
Aroclor-1221	ug/Kg	1.48	51	U		47	U		40	U		46	U		51	U		51	U	
Aroclor-1232	ug/Kg	1.48	51	U		47	U		40	U		46	U		51	U		51	U	
Aroclor-1242	ug/Kg	106	51	U		47	U		40	U		46	U		51	U		51	U	
Aroclor-1248	ug/Kg	104	51	U		47	U		40	U		46	U		51	U		51	U	
Aroclor-1254	ug/Kg	110	51	U		47	U		40	U		46	U		51	U		51	U	
Aroclor-1260	ug/Kg	220	51	U		47	U		40	U		46	U		51	U		51	U	
Aroclor-1262	ug/Kg	220	51	U		47	U		40	U		46	U		51	U		51	U	
Aroclor-1268	ug/Kg	220	51	U		47	U		40	U		46	U		51	U		51	U	
Pesticides																				
alpha-BHC	ug/Kg	0.72	2.6	U		2.4	U		2	U		2.4	U		2.6	U		2.7	U	
beta-BHC	ug/Kg	2.6	2.6	U		2.4	U		2	U		2.4	U		2.6	U		2.7	U	
delta-BHC	ug/Kg	N/A	2.6	U		2.4	U		2	U		2.4	U		2.6	U		2.7	U	
gamma-BHC (Lindane)	ug/Kg	24	2.6	U		2.4	U		2	U		2.4	U		2.6	U		2.7	U	

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Cidra Groundwater Contamination Site
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		Sample Code	CCSB-02-C			CCSB-02-D			CCSB-03-A			CCSB-03-B			CCSB-03-C			CCSB-03-D		
		Location	CCSB-02			CCSB-02			CCSB-03			CCSB-03			CCSB-03			CCSB-03		
		Sample Date	11/8/2007			11/8/2007			11/9/2007			11/9/2007			11/9/2007			11/9/2007		
		Depth	21 to 23 ft			55 to 57 ft			0 to 1 ft			9 to 11 ft			21 to 23 ft			62 to 64 ft		
Heptachlor	ug/Kg	110	2.6	U		2.4	U		2	U		2.4	U		2.6	U		2.7	U	
Aldrin	ug/Kg	0.68	2.6	U		2.4	U		2	U		2.4	U		2.6	U		2.7	U	
Heptachlor epoxide	ug/Kg	53	2.6	U		2.4	U		2	U		2.4	U		2.6	U		2.7	U	
Endosulfan I	ug/Kg	22000	2.6	U		2.4	U		2	U		2.4	U		2.6	U		2.7	U	
Dieldrin	ug/Kg	1.22	5.1	U		4.7	U		4	U		4.6	U		5.1	U		5.1	U	
4,4'-DDE	ug/Kg	920	5.1	U		4.7	U		4	U		4.6	U		5.1	U		5.1	U	
Endrin	ug/Kg	1620	5.1	U		4.7	U		4	U		4.6	U		5.1	U		5.1	U	
Endosulfan II	ug/Kg	22000	5.1	U		4.7	U		4	U		4.6	U		5.1	U		5.1	U	
4,4'-DDD	ug/Kg	1320	5.1	U		4.7	U		4	U		4.6	U		5.1	U		5.1	U	
Endosulfan sulfate	ug/Kg	22000	5.1	U		4.7	U		4	U		4.6	U		5.1	U		5.1	U	
4,4'-DDT	ug/Kg	1340	5.1	U		4.7	U		4	U		4.6	U		5.1	U		5.1	U	
Methoxychlor	ug/Kg	31000	26	U		24	U		20	U		24	U		26	U		27	U	
Endrin ketone	ug/Kg	1620	5.1	U		4.7	U		4	U		4.6	U		5.1	U		5.1	U	
Endrin aldehyde	ug/Kg	1620	5.1	U		4.7	U		4	U		4.6	U		5.1	U		5.1	U	
alpha-Chlordane	ug/Kg	1600	2.6	U		2.4	U		2	U		2.4	U		2.6	U		2.7	U	
gamma-Chlordane	ug/Kg	1600	2.6	U		2.4	U		2	U		2.4	U		2.6	U		2.7	U	
Toxaphene	ug/Kg	440	260	U		240	U		200	U		240	U		260	U		270	U	
Inorganic Analytes																				
Aluminum	mg/kg	7700	**18100**		A	**31000**		A	**22600**		A	**15400**		A	**29100**		A	**46300**		A
Antimony	mg/kg	3.1	23.7	U		20.7	U		17.9	U		21	U		24	U		23.1	U	
Arsenic	mg/kg	0.39	1.6	U		1.4	U		1.2	U		1.4	U		1.6	U		1.5	U	
Barium	mg/kg	1500	129		#	1030		#	237		#	66.3		#	182		#	772		#
Beryllium	mg/kg	16	0.79	U		0.7	U		0.6	U		0.7	U		1.5		#	1.1		#
Cadmium	mg/kg	7	0.89		#	2.5		#	1.3		#	2		#	2.1		#	3.8		#
Calcium	mg/kg	N/A	1100	J	~	1440	J	~	8190	J	~	711	J	~	951	J	~	1480	J	~
Chromium	mg/kg	0.29	**33.9**		A	**35.9**		A	**28.2**	J	A	**65.9**	J	A	**86.2**	J	A	**81.9**	J	A
Cobalt	mg/kg	2.3	**82**	J	A	**54.6**	J	A	**28.1**		A	**60.1**		A	**89.9**		A	**75.5**		A
Copper	mg/kg	310	202		#	186		#	106		#	195		#	**499**		A	157		#

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		Sample Code	CCSB-02-C			CCSB-02-D			CCSB-03-A			CCSB-03-B			CCSB-03-C			CCSB-03-D		
		Location	CCSB-02			CCSB-02			CCSB-03			CCSB-03			CCSB-03			CCSB-03		
		Sample Date	11/8/2007			11/8/2007			11/9/2007			11/9/2007			11/9/2007			11/9/2007		
		Depth	21 to 23 ft			55 to 57 ft			0 to 1 ft			9 to 11 ft			21 to 23 ft			62 to 64 ft		
Cyanide	mg/kg	4.7	3.9	U		3.5	U		3	U		0.14	J	#	4	U		3.9	U	
Iron	mg/kg	5400	75600	R		60500	R		43300	R		88000	R		80100	R		73100	R	
Lead	mg/kg	280	1.6	U		1.4	U		1.2	U		1.4	U		1.6	U		1.5	U	
Magnesium	mg/kg	N/A	1310		~	11900		~	15800	J	~	1240	J	~	3490	J	~	15800	J	~
Manganese	mg/kg	21	**1880**	J	A	**1270**	J	A	**1000**	J	A	**1150**	J	A	**1670**	J	A	**1750**	J	A
Mercury	mg/kg	2	0.16	U		0.14	U		0.12	U		0.14	U		0.16	U		0.051	J	#
Nickel	mg/kg	150	35.7		#	21.1		#	21.1		#	47.1		#	102		#	**192**		A
Potassium	mg/kg	N/A	790	UJ		1850	J	~	598	U		700	U		799	U		770	U	
Selenium	mg/kg	5.2	5.5	U		4.9	U		4.2	U		4.9	U		5.6	U		5.3	U	
Silver	mg/kg	12	4.4	J	#	3.6	J	#	1.7		#	3.2		#	3		#	3		#
Sodium	mg/kg	N/A	790	U		313	J	~	604		~	291	J	~	799	U		266	J	~
Thallium	mg/kg	0.08	3.9	U		3.4	U		3	U		3.5	U		4	U		3.9	U	
Vanadium	mg/kg	39	**196**	J	A	**217**	J	A	**154**		A	**209**		A	**238**		A	**214**		A
Zinc	mg/kg	2300	59	J	#	464	J	#	60.3		#	68.1		#	136		#	589		#
Additional Parameters																				
% GRANULE & LARGER >2 MM	%	N/A	0		~	0		~												
% VERY COURSE SAND >1 - 2 MM	%	N/A	1		~	0		~												
% COARSE SAND >.5 - 1 MM	%	N/A	2		~	1		~												
% MEDIUM SAND >.25 - .5 MM	%	N/A	3		~	3		~												
% FINE SAND >.125 - .25 MM	%	N/A	6		~	5		~												
% VERY FINE SAND >.0625 - .125 MM	%	N/A	7		~	5		~												
% SILT	%	N/A	58		~	58		~												
% CLAY & COLLOIDS	%	N/A	22		~	28		~												
pH	s.u.	N/A	6		~	7		~												
Total Organic Carbon	mg/Kg	N/A	420	J	~	250	J	~												

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	Sample Code	CCSB-02-C	CCSB-02-D	CCSB-03-A	CCSB-03-B	CCSB-03-C	CCSB-03-D
	Location	CCSB-02	CCSB-02	CCSB-03	CCSB-03	CCSB-03	CCSB-03
	Sample Date	11/8/2007	11/8/2007	11/9/2007	11/9/2007	11/9/2007	11/9/2007
	Depth	21 to 23 ft	55 to 57 ft	0 to 1 ft	9 to 11 ft	21 to 23 ft	62 to 64 ft

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Comparison Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

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		Sample Code	CCSB-04-A			CCSB-04-B			CCSB-04-C			CCSB-04-D			CCSB-05-A			CCSB-05-B		
		Location	CCSB-04			CCSB-04			CCSB-04			CCSB-04			CCSB-05			CCSB-05		
		Sample Date	11/9/2007			11/9/2007			11/9/2007			11/9/2007			11/12/2007			11/12/2007		
		Depth	0 to 1 ft			5 to 7 ft			21 to 23 ft			62 to 64 ft			0 to 1 ft			2 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
Chloromethane	ug/Kg	980	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
Vinyl Chloride	ug/Kg	13.8	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
Bromomethane	ug/Kg	36	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
Chloroethane	ug/Kg	118000	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
Trichlorofluoromethane	ug/Kg	13800	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
1,1-Dichloroethene	ug/Kg	50	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
Acetone	ug/Kg	48000	13	U		14	U		15	U		12	U		13	U		19		#
Carbon Disulfide	ug/Kg	4200	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
Methyl Acetate	ug/Kg	64000	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
Methylene Chloride	ug/Kg	26	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
trans-1,2-Dichloroethene	ug/Kg	580	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
Methyl tert-Butyl Ether	ug/Kg	56	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
1,1-Dichloroethane	ug/Kg	13.6	6.6	U		6.9	U		7.7	U		6.2	UJ		6.6	U		7.2	U	
cis-1,2-Dichloroethene	ug/Kg	420	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
2-Butanone	ug/Kg	20000	13	U		14	U		15	U		12	U		13	U		14	U	
Chlorobromomethane	ug/Kg	420	6.6	U		6.9	U		7.7	U		6.2	UJ		6.6	U		7.2	U	
Chloroform	ug/Kg	290	6.6	U		6.9	U		7.7	U		6.2	UJ		6.6	U		7.2	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
Cyclohexane	ug/Kg	117000	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
Carbon Tetrachloride	ug/Kg	38	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
Benzene	ug/Kg	52	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
1,2-Dichloroethane	ug/Kg	28	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
1,4-Dioxane	ug/Kg	2.8	130	R		140	R		150	R		120	R		130	R		140	R	
Trichloroethene	ug/Kg	36	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	

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		Sample Code	CCSB-04-A			CCSB-04-B			CCSB-04-C			CCSB-04-D			CCSB-05-A			CCSB-05-B		
		Location	CCSB-04			CCSB-04			CCSB-04			CCSB-04			CCSB-05			CCSB-05		
		Sample Date	11/9/2007			11/9/2007			11/9/2007			11/9/2007			11/12/2007			11/12/2007		
		Depth	0 to 1 ft			5 to 7 ft			21 to 23 ft			62 to 64 ft			0 to 1 ft			2 to 4 ft		
Metylcyclohexane	ug/Kg	N/A	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
1,2-Dichloropropane	ug/Kg	34	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
Bromodichloromethane	ug/Kg	270	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
cis-1,3-Dichloropropene	ug/Kg	3	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
4-Methyl-2-pentanone	ug/Kg	4600	13	U		14	U		15	U		12	U		13	U		14	U	
Toluene	ug/Kg	13800	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
trans-1,3-Dichloropropene	ug/Kg	3	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
1,1,2-Trichloroethane	ug/Kg	32	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
Tetrachloroethene	ug/Kg	46	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
2-Hexanone	ug/Kg	158	13	U		14	U		15	U		12	U		13	U		14	U	
Dibromochloromethane	ug/Kg	420	6.6	U		6.9	U		7.7	U		6.2	UJ		6.6	U		7.2	U	
1,2-Dibromoethane	ug/Kg	0.28	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
Chlorobenzene	ug/Kg	1360	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
Ethylbenzene	ug/Kg	5400	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
o-Xylene	ug/Kg	3800	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
m,p-Xylene	ug/Kg	3600	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
Styrene	ug/Kg	2200	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
Bromoform	ug/Kg	420	6.6	U		6.9	U		7.7	U		6.2	UJ		6.6	U		7.2	U	
Isopropylbenzene	ug/Kg	12800	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
1,4-Dichlorobenzene	ug/Kg	1440	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
1,2-Dichlorobenzene	ug/Kg	11600	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
1,2,3-Trichlorobenzene	ug/Kg	300	6.6	U		6.9	U		7.7	U		6.2	U		6.6	U		7.2	U	
Semi-Volatile Organic Compounds																				

CCL Label - Soil Sample Results Full Table (Stage 1)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-04-A		CCSB-04-B		CCSB-04-C		CCSB-04-D		CCSB-05-A		CCSB-05-B	
		Location	CCSB-04		CCSB-04		CCSB-04		CCSB-04		CCSB-05		CCSB-05	
		Sample Date	11/9/2007		11/9/2007		11/9/2007		11/9/2007		11/12/2007		11/12/2007	
		Depth	0 to 1 ft		5 to 7 ft		21 to 23 ft		62 to 64 ft		0 to 1 ft		2 to 4 ft	
Benzaldehyde	ug/Kg	6600	240	U	260	U	270	U	240	U	260	U	260	U
Phenol	ug/Kg	52000	240	U	260	U	270	U	240	U	260	U	260	U
bis(2-Chloroethyl) ether	ug/Kg	0.06	240	U	260	U	270	U	240	U	260	U	260	U
2-Chlorophenol	ug/Kg	1140	240	U	260	U	270	U	240	U	260	U	260	U
2-Methylphenol	ug/Kg	11600	240	U	260	U	270	U	240	U	260	U	260	U
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	240	U	260	U	270	U	240	U	260	U	260	U
Acetophenone	ug/Kg	9000	240	U	260	U	270	U	240	U	260	U	260	U
4-Methylphenol	ug/Kg	22000	240	U	260	U	270	U	240	U	260	U	260	U
n-Nitroso-di-n-propylamine	ug/Kg	0.14	240	U	260	U	270	U	240	U	260	U	260	U
Hexachloroethane	ug/Kg	9.6	240	U	260	U	270	U	240	U	260	U	260	U
Nitrobenzene	ug/Kg	1.58	240	U	260	U	270	U	240	U	260	U	260	U
Isophorone	ug/Kg	440	240	U	260	U	270	U	240	U	260	U	260	U
2-Nitrophenol	ug/Kg	N/A	240	U	260	U	270	U	240	U	260	U	260	U
2,4-Dimethylphenol	ug/Kg	6400	240	U	260	U	270	U	240	U	260	U	260	U
bis(2-Chloroethoxy)methane	ug/Kg	220	240	U	260	U	270	U	240	U	260	U	260	U
2,4-Dichlorophenol	ug/Kg	820	240	U	260	U	270	U	240	U	260	U	260	U
Naphthalene	ug/Kg	9.4	240	U	260	U	270	U	240	U	260	U	260	U
4-Chloroaniline	ug/Kg	2.6	240	U	260	U	270	U	240	U	260	U	260	U
Hexachlorobutadiene	ug/Kg	10	240	U	260	U	270	U	240	U	260	U	260	U
Caprolactam	ug/Kg	38000	240	U	260	U	270	U	240	U	260	U	260	U
4-Chloro-3-methylphenol	ug/Kg	26000	240	U	260	U	270	U	240	U	260	U	260	U
2-Methylnaphthalene	ug/Kg	2800	240	U	260	U	270	U	240	U	260	U	260	U
Hexachlorocyclopentadiene	ug/Kg	3200	240	U	260	U	270	U	240	U	260	U	260	U
2,4,6-Trichlorophenol	ug/Kg	260	240	U	260	U	270	U	240	U	260	U	260	U
2,4,5-Trichlorophenol	ug/Kg	66000	240	U	260	U	270	U	240	U	260	U	260	U
1,1'-Biphenyl	ug/Kg	174	240	U	260	U	270	U	240	U	260	U	260	U
2-Chloronaphthalene	ug/Kg	58000	240	U	260	U	270	U	240	U	260	U	260	U
2-Nitroaniline	ug/Kg	1240	470	U	510	U	510	U	470	U	500	U	510	U

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		Sample Code	CCSB-04-A			CCSB-04-B			CCSB-04-C			CCSB-04-D			CCSB-05-A			CCSB-05-B		
		Location	CCSB-04			CCSB-04			CCSB-04			CCSB-04			CCSB-05			CCSB-05		
		Sample Date	11/9/2007			11/9/2007			11/9/2007			11/9/2007			11/12/2007			11/12/2007		
		Depth	0 to 1 ft			5 to 7 ft			21 to 23 ft			62 to 64 ft			0 to 1 ft			2 to 4 ft		
Dimethylphthalate	ug/Kg	N/A	240	U		260	U		270	U		240	U		260	U		260	U	
2,6-Dinitrotoluene	ug/Kg	400	240	U		260	U		270	U		240	U		260	U		260	U	
Acenaphthylene	ug/Kg	N/A	240	U		260	U		270	U		240	U		260	U		260	U	
3-Nitroaniline	ug/Kg	N/A	470	U		510	U		510	U		470	U		500	U		510	U	
Acenaphthene	ug/Kg	82000	240	U		260	U		270	U		240	U		260	U		260	U	
2,4-Dinitrophenol	ug/Kg	680	470	U		510	U		510	U		470	U		500	U		510	U	
4-Nitrophenol	ug/Kg	N/A	470	U		510	U		510	U		470	U		500	U		510	U	
Dibenzofuran	ug/Kg	N/A	240	U		260	U		270	U		240	U		260	U		260	U	
2,4-Dinitrotoluene	ug/Kg	5.6	240	U		260	U		270	U		240	U		260	U		260	U	
Diethylphthalate	ug/Kg	94000	240	U		260	U		270	U		240	U		260	U		260	U	
Fluorene	ug/Kg	80000	240	U		260	U		270	U		240	U		260	U		260	U	
4-Chlorophenyl-phenylether	ug/Kg	N/A	240	U		260	U		270	U		240	U		260	U		260	U	
4-Nitroaniline	ug/Kg	28	470	U		510	U		510	U		470	U		500	U		510	U	
4,6-Dinitro-2-methylphenol	ug/Kg	40	470	U		510	U		510	U		470	U		500	U		510	U	
n-Nitrosodiphenylamine	ug/Kg	1140	240	U		260	U		270	U		240	U		260	U		260	U	
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	240	U		260	U		270	U		240	U		260	U		260	U	
4-Bromophenyl-phenylether	ug/Kg	N/A	240	U		260	U		270	U		240	U		260	U		260	U	
Hexachlorobenzene	ug/Kg	260	240	U		260	U		270	U		240	U		260	U		260	U	
Atrazine	ug/Kg	38	240	U		260	U		270	U		240	U		260	U		260	U	
Pentachlorophenol	ug/Kg	200	470	U		510	U		510	U		470	U		500	U		510	U	
Phenanthrene	ug/Kg	N/A	240	U		260	U		270	U		240	U		260	U		260	U	
Anthracene	ug/Kg	840000	240	U		260	U		270	U		240	U		260	U		260	U	
Carbazole	ug/Kg	N/A	240	U		260	U		270	U		240	U		260	U		260	U	
Di-n-butylphthalate	ug/Kg	34000	240	U		260	U		270	U		240	U		260	U		260	U	
Fluoranthene	ug/Kg	230000	240	U		260	U		270	U		240	U		260	UJ		260	U	
Pyrene	ug/Kg	170000	240	U		260	U		270	U		240	U		260	UJ		260	U	
Butylbenzylphthalate	ug/Kg	4000	240	U		260	U		270	U		240	U		260	U		260	U	
3,3'-Dichlorobenzidine	ug/Kg	14.2	240	U		260	U		270	U		240	U		260	U		260	U	

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		Sample Code	CCSB-04-A			CCSB-04-B			CCSB-04-C			CCSB-04-D			CCSB-05-A			CCSB-05-B		
		Location	CCSB-04			CCSB-04			CCSB-04			CCSB-04			CCSB-05			CCSB-05		
		Sample Date	11/9/2007			11/9/2007			11/9/2007			11/9/2007			11/12/2007			11/12/2007		
		Depth	0 to 1 ft			5 to 7 ft			21 to 23 ft			62 to 64 ft			0 to 1 ft			2 to 4 ft		
Benzo(a)anthracene	ug/Kg	150	240	U		260	U		270	U		240	U		260	UJ		260	U	
Chrysene	ug/Kg	15000	240	U		260	U		270	U		240	U		260	UJ		260	U	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	240	U		260	U		270	U		240	U		260	U		260	U	
Di-n-octylphthalate	ug/Kg	N/A	240	U		260	U		270	U		240	U		260	U		260	U	
Benzo(b)fluoranthene	ug/Kg	150	240	U		260	U		270	U		240	U		260	U		260	U	
Benzo(k)fluoranthene	ug/Kg	1500	240	U		260	U		270	U		240	U		260	U		260	U	
Benzo(a)pyrene	ug/Kg	15	240	U		260	U		270	U		240	U		260	U		260	U	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	240	U		260	U		270	U		240	U		260	U		260	U	
Dibenz(a,h)anthracene	ug/Kg	15	240	U		260	U		270	U		240	U		260	U		260	U	
Benzo(g,h,i)perylene	ug/Kg	N/A	240	U		260	U		270	U		240	U		260	U		260	U	
Chlorophenols	ug/Kg	22000	240	U		260	U		270	U		240	U		260	U		260	U	
PCBs																				
Aroclor-1016	ug/Kg	390	47	U		51	U		51	U		47	U		50	U		51	U	
Aroclor-1221	ug/Kg	1.48	47	U		51	U		51	U		47	U		50	U		51	U	
Aroclor-1232	ug/Kg	1.48	47	U		51	U		51	U		47	U		50	U		51	U	
Aroclor-1242	ug/Kg	106	47	U		51	U		51	U		47	U		50	U		51	U	
Aroclor-1248	ug/Kg	104	47	U		51	U		51	U		47	U		50	U		51	U	
Aroclor-1254	ug/Kg	110	47	U		51	U		51	U		47	U		50	U		51	U	
Aroclor-1260	ug/Kg	220	47	U		51	U		51	U		47	U		50	U		51	U	
Aroclor-1262	ug/Kg	220	47	U		51	U		51	U		47	U		50	U		51	U	
Aroclor-1268	ug/Kg	220	47	U		51	U		51	U		47	U		50	U		51	U	
Pesticides																				
alpha-BHC	ug/Kg	0.72	2.4	U		2.6	U		2.7	U		2.4	U		2.6	U		2.6	U	
beta-BHC	ug/Kg	2.6	2.4	U		2.6	U		2.7	U		2.4	U		2.6	U		2.6	U	
delta-BHC	ug/Kg	N/A	2.4	U		2.6	U		2.7	U		2.4	U		2.6	U		2.6	U	
gamma-BHC (Lindane)	ug/Kg	24	2.4	U		2.6	U		2.7	U		2.4	U		2.6	U		2.6	U	

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		Sample Code	CCSB-04-A			CCSB-04-B			CCSB-04-C			CCSB-04-D			CCSB-05-A			CCSB-05-B		
		Location	CCSB-04			CCSB-04			CCSB-04			CCSB-04			CCSB-05			CCSB-05		
		Sample Date	11/9/2007			11/9/2007			11/9/2007			11/9/2007			11/12/2007			11/12/2007		
		Depth	0 to 1 ft			5 to 7 ft			21 to 23 ft			62 to 64 ft			0 to 1 ft			2 to 4 ft		
Heptachlor	ug/Kg	110	2.4	U		2.6	U		2.7	U		2.4	U		2.6	U		2.6	U	
Aldrin	ug/Kg	0.68	2.4	U		2.6	U		2.7	U		2.4	U		2.6	U		2.6	U	
Heptachlor epoxide	ug/Kg	53	2.4	U		2.6	U		2.7	U		2.4	U		2.6	U		2.6	U	
Endosulfan I	ug/Kg	22000	2.4	U		2.6	U		2.7	U		2.4	U		2.6	U		2.6	U	
Dieldrin	ug/Kg	1.22	4.7	U		5.1	U		5.1	U		4.7	U		5	U		5.1	U	
4,4'-DDE	ug/Kg	920	4.7	U		5.1	U		5.1	U		4.7	U		5	U		5.1	U	
Endrin	ug/Kg	1620	4.7	U		5.1	U		5.1	U		4.7	U		5	U		5.1	U	
Endosulfan II	ug/Kg	22000	4.7	U		5.1	U		5.1	U		4.7	U		5	U		5.1	U	
4,4'-DDD	ug/Kg	1320	4.7	U		5.1	U		5.1	U		4.7	U		5	U		5.1	U	
Endosulfan sulfate	ug/Kg	22000	4.7	U		5.1	U		5.1	U		4.7	U		5	U		5.1	U	
4,4'-DDT	ug/Kg	1340	4.7	U		5.1	U		5.1	U		4.7	U		5	U		5.1	U	
Methoxychlor	ug/Kg	31000	24	U		26	U		27	U		24	U		26	U		26	U	
Endrin ketone	ug/Kg	1620	4.7	U		5.1	U		5.1	U		4.7	U		5	U		5.1	U	
Endrin aldehyde	ug/Kg	1620	4.7	U		5.1	U		5.1	U		4.7	U		5	U		5.1	U	
alpha-Chlordane	ug/Kg	1600	2.4	U		2.6	U		2.7	U		2.4	U		2.6	U		2.6	U	
gamma-Chlordane	ug/Kg	1600	2.4	U		2.6	U		2.7	U		2.4	U		2.6	U		2.6	U	
Toxaphene	ug/Kg	440	240	U		260	U		270	U		240	U		260	U		260	U	
Inorganic Analytes																				
Aluminum	mg/kg	7700	**11200**		A	**14500**	J	A	**21600**		A	**36000**		A	**14100**		A	**14000**		A
Antimony	mg/kg	3.1	21.7	U		23.4	U		23.5	U		20.8	U		22.9	U		23	U	
Arsenic	mg/kg	0.39	1.5	U		1.5	U		1.6	U		1.4	U		**1.2**	J	A	1.5	U	
Barium	mg/kg	1500	17.8	J	#	68.1	J	#	126		#	532		#	16.4	J	#	11.1	J	#
Beryllium	mg/kg	16	0.73	U		0.78	U		0.79	U		0.71	U		0.76	U		0.77	U	
Cadmium	mg/kg	7	1.8		#	1.6		#	1.9		#	4.5		#	1.9		#	1.7		#
Calcium	mg/kg	N/A	1510	J	~	359	J	~	532	J	~	5250	J	~	2170	J	~	274	J	~
Chromium	mg/kg	0.29	**88.3**	J	A	**39.8**	J	A	**13**	J	A	**17.5**	J	A	**60.7**	J	A	**39.2**	J	A
Cobalt	mg/kg	2.3	**2.4**	J	A	**60.1**		A	**192**		A	**32.9**		A	**4.9**	J	A	**5.2**	J	A
Copper	mg/kg	310	132		#	192	J	#	245		#	91.7		#	119		#	125		#

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		Sample Code	CCSB-04-A			CCSB-04-B			CCSB-04-C			CCSB-04-D			CCSB-05-A			CCSB-05-B		
		Location	CCSB-04			CCSB-04			CCSB-04			CCSB-04			CCSB-05			CCSB-05		
		Sample Date	11/9/2007			11/9/2007			11/9/2007			11/9/2007			11/12/2007			11/12/2007		
		Depth	0 to 1 ft			5 to 7 ft			21 to 23 ft			62 to 64 ft			0 to 1 ft			2 to 4 ft		
Cyanide	mg/kg	4.7	0.2	J	#	3.9	U		4	U		3.5	U		0.2	J	#	3.8	U	
Iron	mg/kg	5400	74400	R		68300	R		72300	R		53100	R		71500	R		72300	R	
Lead	mg/kg	280	1.5	U		1.5	U		1.6	U		1.4	U		6.4		#	1.5	U	
Magnesium	mg/kg	N/A	427	J	~	690	J	~	1500	J	~	18400	J	~	473	J	~	382	J	~
Manganese	mg/kg	21	**593**	J	A	**1050**	J	A	**3120**	J	A	**865**	J	A	**599**	J	A	**524**	J	A
Mercury	mg/kg	2	0.079	J	#	0.16	U		0.16	U		0.09	J	#	0.17		#	0.15	U	
Nickel	mg/kg	150	11.3		#	17.2	R		17		#	84.1		#	13.5		#	19.1		#
Potassium	mg/kg	N/A	725	U		778	U		791	U		707	U		762	U		767	U	
Selenium	mg/kg	5.2	5.1	U		5.3	U		5.5	U		5	U		5.3	U		5.4	U	
Silver	mg/kg	12	2.6		#	2.5		#	2.7		#	2.3		#	2.9		#	2.7		#
Sodium	mg/kg	N/A	340	J	~	361	J	~	480	J	~	495	J	~	286	J	~	270	J	~
Thallium	mg/kg	0.08	3.6	U		3.9	U		3.9	U		3.5	U		3.8	U		3.8	U	
Vanadium	mg/kg	39	**237**		A	**232**		A	**180**		A	**178**		A	**247**		A	**258**		A
Zinc	mg/kg	2300	51.7		#	54.8	J	#	57.6		#	354		#	95		#	55.8		#
Additional Parameters																				
% GRANULE & LARGER >2 MM	%	N/A																0		~
% VERY COURSE SAND >1 - 2 MM	%	N/A																0		~
% COARSE SAND >.5 - 1 MM	%	N/A																0		~
% MEDIUM SAND >.25 - .5 MM	%	N/A																1		~
% FINE SAND >.125 - .25 MM	%	N/A																6		~
% VERY FINE SAND >.0625 - .125 MM	%	N/A																10		~
% SILT	%	N/A																59		~
% CLAY & COLLOIDS	%	N/A																24		~
pH	s.u.	N/A																6		~
Total Organic Carbon	mg/Kg	N/A																240	J	~

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	Sample Code	CCSB-04-A	CCSB-04-B	CCSB-04-C	CCSB-04-D	CCSB-05-A	CCSB-05-B
	Location	CCSB-04	CCSB-04	CCSB-04	CCSB-04	CCSB-05	CCSB-05
	Sample Date	11/9/2007	11/9/2007	11/9/2007	11/9/2007	11/12/2007	11/12/2007
	Depth	0 to 1 ft	5 to 7 ft	21 to 23 ft	62 to 64 ft	0 to 1 ft	2 to 4 ft

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Comparison Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

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		Sample Code	CCSB-05-C			CCSB-06-A			CCSB-06-B			CCSB-07-A			CCSB-07-B			CCSB-07-C		
		Location	CCSB-05			CCSB-06			CCSB-06			CCSB-07			CCSB-07			CCSB-07		
		Sample Date	11/12/2007			11/12/2007			11/12/2007			11/12/2007			11/12/2007			11/12/2007		
		Depth	4 to 5.5 ft			0 to 1 ft			1 to 2.5 ft			0 to 1 ft			2 to 4 ft			4 to 5.5 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
Chloromethane	ug/Kg	980	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
Vinyl Chloride	ug/Kg	13.8	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
Bromomethane	ug/Kg	36	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
Chloroethane	ug/Kg	118000	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
Trichlorofluoromethane	ug/Kg	13800	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
1,1-Dichloroethene	ug/Kg	50	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
Acetone	ug/Kg	48000	14	U		13	U		18		#	15	U		16	U		14	U	
Carbon Disulfide	ug/Kg	4200	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
Methyl Acetate	ug/Kg	64000	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
Methylene Chloride	ug/Kg	26	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
trans-1,2-Dichloroethene	ug/Kg	580	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
Methyl tert-Butyl Ether	ug/Kg	56	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
1,1-Dichloroethane	ug/Kg	13.6	6.9	U		6.7	U		6.1	U		7.4	UJ		7.9	UJ		7.1	U	
cis-1,2-Dichloroethene	ug/Kg	420	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
2-Butanone	ug/Kg	20000	14	U		13	U		12	U		15	U		16	U		14	U	
Chlorobromomethane	ug/Kg	420	6.9	U		6.7	U		6.1	U		7.4	UJ		7.9	UJ		7.1	U	
Chloroform	ug/Kg	290	6.9	U		6.7	U		6.1	U		7.4	UJ		7.9	UJ		7.1	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
Cyclohexane	ug/Kg	117000	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
Carbon Tetrachloride	ug/Kg	38	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
Benzene	ug/Kg	52	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
1,2-Dichloroethane	ug/Kg	28	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
1,4-Dioxane	ug/Kg	2.8	140	R		130	R		120	R		150	R		160	R		140	R	
Trichloroethene	ug/Kg	36	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	

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		Sample Code	CCSB-05-C			CCSB-06-A			CCSB-06-B			CCSB-07-A			CCSB-07-B			CCSB-07-C		
		Location	CCSB-05			CCSB-06			CCSB-06			CCSB-07			CCSB-07			CCSB-07		
		Sample Date	11/12/2007			11/12/2007			11/12/2007			11/12/2007			11/12/2007			11/12/2007		
		Depth	4 to 5.5 ft			0 to 1 ft			1 to 2.5 ft			0 to 1 ft			2 to 4 ft			4 to 5.5 ft		
Metylcyclohexane	ug/Kg	N/A	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
1,2-Dichloropropane	ug/Kg	34	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
Bromodichloromethane	ug/Kg	270	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
cis-1,3-Dichloropropene	ug/Kg	3	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
4-Methyl-2-pentanone	ug/Kg	4600	14	U		13	U		12	U		15	U		16	U		14	U	
Toluene	ug/Kg	13800	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
trans-1,3-Dichloropropene	ug/Kg	3	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
1,1,2-Trichloroethane	ug/Kg	32	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
Tetrachloroethene	ug/Kg	46	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
2-Hexanone	ug/Kg	158	14	U		13	U		12	U		15	U		16	U		14	U	
Dibromochloromethane	ug/Kg	420	6.9	U		6.7	U		6.1	U		7.4	UJ		7.9	UJ		7.1	U	
1,2-Dibromoethane	ug/Kg	0.28	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
Chlorobenzene	ug/Kg	1360	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
Ethylbenzene	ug/Kg	5400	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
o-Xylene	ug/Kg	3800	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
m,p-Xylene	ug/Kg	3600	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
Styrene	ug/Kg	2200	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
Bromoform	ug/Kg	420	6.9	U		6.7	U		6.1	U		7.4	UJ		7.9	UJ		7.1	U	
Isopropylbenzene	ug/Kg	12800	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
1,4-Dichlorobenzene	ug/Kg	1440	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
1,2-Dichlorobenzene	ug/Kg	11600	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
1,2,3-Trichlorobenzene	ug/Kg	300	6.9	U		6.7	U		6.1	U		7.4	U		7.9	U		7.1	U	
Semi-Volatile Organic Compounds																				

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		Sample Code	CCSB-05-C		CCSB-06-A		CCSB-06-B		CCSB-07-A		CCSB-07-B		CCSB-07-C	
		Location	CCSB-05		CCSB-06		CCSB-06		CCSB-07		CCSB-07		CCSB-07	
		Sample Date	11/12/2007		11/12/2007		11/12/2007		11/12/2007		11/12/2007		11/12/2007	
		Depth	4 to 5.5 ft		0 to 1 ft		1 to 2.5 ft		0 to 1 ft		2 to 4 ft		4 to 5.5 ft	
Benzaldehyde	ug/Kg	6600	250	U	240	U	210	U	260	U	270	U	260	U
Phenol	ug/Kg	52000	250	U	240	U	210	U	260	U	270	U	260	U
bis(2-Chloroethyl) ether	ug/Kg	0.06	250	U	240	U	210	U	260	U	270	U	260	U
2-Chlorophenol	ug/Kg	1140	250	U	240	U	210	U	260	U	270	U	260	U
2-Methylphenol	ug/Kg	11600	250	U	240	U	210	U	260	U	270	U	260	U
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	250	U	240	U	210	U	260	U	270	U	260	U
Acetophenone	ug/Kg	9000	250	U	240	U	210	U	260	U	270	U	260	U
4-Methylphenol	ug/Kg	22000	250	U	240	U	210	U	260	U	270	U	260	U
n-Nitroso-di-n-propylamine	ug/Kg	0.14	250	U	240	U	210	U	260	U	270	U	260	U
Hexachloroethane	ug/Kg	9.6	250	U	240	U	210	U	260	U	270	U	260	U
Nitrobenzene	ug/Kg	1.58	250	U	240	U	210	U	260	U	270	U	260	U
Isophorone	ug/Kg	440	250	U	240	U	210	U	260	U	270	U	260	U
2-Nitrophenol	ug/Kg	N/A	250	U	240	U	210	U	260	U	270	U	260	U
2,4-Dimethylphenol	ug/Kg	6400	250	U	240	U	210	U	260	U	270	U	260	U
bis(2-Chloroethoxy)methane	ug/Kg	220	250	U	240	U	210	U	260	U	270	U	260	U
2,4-Dichlorophenol	ug/Kg	820	250	U	240	U	210	U	260	U	270	U	260	U
Naphthalene	ug/Kg	9.4	250	U	240	U	210	U	260	U	270	U	260	U
4-Chloroaniline	ug/Kg	2.6	250	U	240	U	210	U	260	U	270	U	260	U
Hexachlorobutadiene	ug/Kg	10	250	U	240	U	210	U	260	U	270	U	260	U
Caprolactam	ug/Kg	38000	250	U	240	U	210	U	260	U	270	U	260	U
4-Chloro-3-methylphenol	ug/Kg	26000	250	U	240	U	210	U	260	U	270	U	260	U
2-Methylnaphthalene	ug/Kg	2800	250	U	240	U	210	U	260	U	270	U	260	U
Hexachlorocyclopentadiene	ug/Kg	3200	250	U	240	U	210	U	260	U	270	U	260	U
2,4,6-Trichlorophenol	ug/Kg	260	250	U	240	U	210	U	260	U	270	U	260	U
2,4,5-Trichlorophenol	ug/Kg	66000	250	U	240	U	210	U	260	U	270	U	260	U
1,1'-Biphenyl	ug/Kg	174	250	U	240	U	210	U	260	U	270	U	260	U
2-Chloronaphthalene	ug/Kg	58000	250	U	240	U	210	U	260	U	270	U	260	U
2-Nitroaniline	ug/Kg	1240	490	U	470	U	410	U	510	U	530	U	500	U

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		Sample Code	CCSB-05-C		CCSB-06-A		CCSB-06-B		CCSB-07-A		CCSB-07-B		CCSB-07-C	
		Location	CCSB-05		CCSB-06		CCSB-06		CCSB-07		CCSB-07		CCSB-07	
		Sample Date	11/12/2007		11/12/2007		11/12/2007		11/12/2007		11/12/2007		11/12/2007	
		Depth	4 to 5.5 ft		0 to 1 ft		1 to 2.5 ft		0 to 1 ft		2 to 4 ft		4 to 5.5 ft	
Dimethylphthalate	ug/Kg	N/A	250	U	240	U	210	U	260	U	270	U	260	U
2,6-Dinitrotoluene	ug/Kg	400	250	U	240	U	210	U	260	U	270	U	260	U
Acenaphthylene	ug/Kg	N/A	250	U	240	U	210	U	260	U	270	U	260	U
3-Nitroaniline	ug/Kg	N/A	490	U	470	U	410	U	510	U	530	U	500	U
Acenaphthene	ug/Kg	82000	250	U	240	U	210	U	260	U	270	U	260	U
2,4-Dinitrophenol	ug/Kg	680	490	U	470	U	410	U	510	U	530	U	500	U
4-Nitrophenol	ug/Kg	N/A	490	U	470	U	410	U	510	U	530	U	500	U
Dibenzofuran	ug/Kg	N/A	250	U	240	U	210	UJ	260	U	270	U	260	U
2,4-Dinitrotoluene	ug/Kg	5.6	250	U	240	U	210	U	260	U	270	U	260	U
Diethylphthalate	ug/Kg	94000	250	U	240	U	210	U	260	U	270	U	260	U
Fluorene	ug/Kg	80000	250	U	240	U	210	UJ	260	U	270	U	260	U
4-Chlorophenyl-phenylether	ug/Kg	N/A	250	U	240	U	210	UJ	260	U	270	U	260	U
4-Nitroaniline	ug/Kg	28	490	U	470	U	410	U	510	U	530	U	500	U
4,6-Dinitro-2-methylphenol	ug/Kg	40	490	U	470	U	410	U	510	U	530	U	500	U
n-Nitrosodiphenylamine	ug/Kg	1140	250	U	240	U	210	U	260	U	270	U	260	U
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	250	U	240	U	210	U	260	U	270	U	260	U
4-Bromophenyl-phenylether	ug/Kg	N/A	250	U	240	U	210	UJ	260	U	270	U	260	U
Hexachlorobenzene	ug/Kg	260	250	U	240	U	210	U	260	U	270	U	260	U
Atrazine	ug/Kg	38	250	U	240	U	210	U	260	U	270	U	260	U
Pentachlorophenol	ug/Kg	200	490	U	470	U	410	U	510	U	530	U	500	U
Phenanthrene	ug/Kg	N/A	250	U	240	U	210	U	260	U	270	U	260	U
Anthracene	ug/Kg	840000	250	U	240	U	210	U	260	U	270	U	260	U
Carbazole	ug/Kg	N/A	250	U	240	U	210	UJ	260	U	270	U	260	U
Di-n-butylphthalate	ug/Kg	34000	250	U	240	U	210	U	260	U	270	U	260	U
Fluoranthene	ug/Kg	230000	250	U	240	U	210	UJ	260	U	270	U	260	U
Pyrene	ug/Kg	170000	250	U	240	U	210	UJ	260	U	270	U	260	U
Butylbenzylphthalate	ug/Kg	4000	250	U	240	U	210	U	260	U	270	U	260	U
3,3'-Dichlorobenzidine	ug/Kg	14.2	250	U	240	U	210	U	260	U	270	U	260	U

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		Sample Code	CCSB-05-C			CCSB-06-A			CCSB-06-B			CCSB-07-A			CCSB-07-B			CCSB-07-C		
		Location	CCSB-05			CCSB-06			CCSB-06			CCSB-07			CCSB-07			CCSB-07		
		Sample Date	11/12/2007			11/12/2007			11/12/2007			11/12/2007			11/12/2007			11/12/2007		
		Depth	4 to 5.5 ft			0 to 1 ft			1 to 2.5 ft			0 to 1 ft			2 to 4 ft			4 to 5.5 ft		
Benzo(a)anthracene	ug/Kg	150	250	U		240	U		210	UJ		260	U		270	U		260	U	
Chrysene	ug/Kg	15000	250	U		240	U		210	UJ		260	U		270	U		260	U	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	250	U		120	J	#	210	U		200	J	#	270	U		260	U	
Di-n-octylphthalate	ug/Kg	N/A	250	U		240	U		210	U		260	U		270	U		260	U	
Benzo(b)fluoranthene	ug/Kg	150	250	U		240	U		210	UJ		260	U		270	U		260	U	
Benzo(k)fluoranthene	ug/Kg	1500	250	U		240	U		210	UJ		260	U		270	U		260	U	
Benzo(a)pyrene	ug/Kg	15	250	U		240	U		210	UJ		260	U		270	U		260	U	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	250	U		240	U		210	UJ		260	U		270	U		260	U	
Dibenz(a,h)anthracene	ug/Kg	15	250	U		240	U		210	UJ		260	U		270	U		260	U	
Benzo(g,h,i)perylene	ug/Kg	N/A	250	U		240	U		210	UJ		260	U		270	U		260	U	
Chlorophenols	ug/Kg	22000	250	U		240	U		210	U		260	U		270	U		260	U	
PCBs																				
Aroclor-1016	ug/Kg	390	49	U		47	U		41	U		51	U		53	U		50	U	
Aroclor-1221	ug/Kg	1.48	49	U		47	U		41	U		51	U		53	U		50	U	
Aroclor-1232	ug/Kg	1.48	49	U		47	U		41	U		51	U		53	U		50	U	
Aroclor-1242	ug/Kg	106	49	U		47	U		41	U		51	U		53	U		50	U	
Aroclor-1248	ug/Kg	104	49	U		47	U		41	U		51	U		53	U		50	U	
Aroclor-1254	ug/Kg	110	49	U		47	U		41	U		51	U		53	U		50	U	
Aroclor-1260	ug/Kg	220	49	U		47	U		41	U		51	U		53	U		50	U	
Aroclor-1262	ug/Kg	220	49	U		47	U		41	U		51	U		53	U		50	U	
Aroclor-1268	ug/Kg	220	49	U		47	U		41	U		**590**		A	53	U		58		#
Pesticides																				
alpha-BHC	ug/Kg	0.72	2.5	U		2.4	U		2.1	U		2.6	U		2.7	U		2.6	U	
beta-BHC	ug/Kg	2.6	2.5	U		2.4	U		2.1	U		2.6	U		2.7	U		2.6	U	
delta-BHC	ug/Kg	N/A	2.5	U		2.4	U		2.1	U		2.6	U		2.7	U		2.6	U	
gamma-BHC (Lindane)	ug/Kg	24	2.5	U		2.4	U		2.1	U		2.6	U		2.7	U		2.6	U	

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		Sample Code	CCSB-05-C			CCSB-06-A			CCSB-06-B			CCSB-07-A			CCSB-07-B			CCSB-07-C		
		Location	CCSB-05			CCSB-06			CCSB-06			CCSB-07			CCSB-07			CCSB-07		
		Sample Date	11/12/2007			11/12/2007			11/12/2007			11/12/2007			11/12/2007			11/12/2007		
		Depth	4 to 5.5 ft			0 to 1 ft			1 to 2.5 ft			0 to 1 ft			2 to 4 ft			4 to 5.5 ft		
Heptachlor	ug/Kg	110	2.5	U		2.4	U		2.1	U		2.6	U		2.7	U		2.6	U	
Aldrin	ug/Kg	0.68	2.5	U		2.4	U		2.1	UJ		2.6	U		2.7	U		2.6	U	
Heptachlor epoxide	ug/Kg	53	2.5	U		2.4	U		2.1	U		2.6	U		2.7	U		2.6	U	
Endosulfan I	ug/Kg	22000	2.5	U		2.4	U		2.1	U		2.6	U		2.7	U		2.6	U	
Dieldrin	ug/Kg	1.22	4.9	U		4.7	U		4.1	UJ		5.1	U		5.3	U		5	U	
4,4'-DDE	ug/Kg	920	4.9	U		4.7	U		4.1	U		5.1	U		5.3	U		5	U	
Endrin	ug/Kg	1620	4.9	U		4.7	U		4.1	U		5.1	U		5.3	U		5	U	
Endosulfan II	ug/Kg	22000	4.9	U		4.7	U		4.1	U		5.1	U		5.3	U		5	U	
4,4'-DDD	ug/Kg	1320	4.9	U		4.7	U		4.1	U		5.1	U		5.3	U		5	U	
Endosulfan sulfate	ug/Kg	22000	4.9	U		4.7	U		4.1	U		5.1	U		5.3	U		5	U	
4,4'-DDT	ug/Kg	1340	4.9	U		4.7	U		4.1	UJ		5.1	U		5.3	U		5	U	
Methoxychlor	ug/Kg	31000	25	U		24	U		21	U		26	U		27	U		26	U	
Endrin ketone	ug/Kg	1620	4.9	U		4.7	U		4.1	U		5.1	U		5.3	U		5	U	
Endrin aldehyde	ug/Kg	1620	4.9	U		4.7	U		4.1	U		5.1	U		5.3	U		5	U	
alpha-Chlordane	ug/Kg	1600	2.5	U		2.4	U		2.1	U		2.6	U		2.7	U		2.6	U	
gamma-Chlordane	ug/Kg	1600	2.5	U		2.4	U		2.1	U		2.6	U		2.7	U		2.6	U	
Toxaphene	ug/Kg	440	250	U		240	U		210	U		260	U		270	U		260	U	
Inorganic Analytes																				
Aluminum	mg/kg	7700	**15200**		A	**10600**		A	**11800**		A	**14300**		A	**17200**		A	**14500**		A
Antimony	mg/kg	3.1	22.4	U		20.8	U		21.7	U		22.8	U		24	U		23.5	U	
Arsenic	mg/kg	0.39	**5.3**		A	**2.1**		A	1.5	U		**1.3**	J	A	1.6	U		1.6	U	
Barium	mg/kg	1500	20.6	J	#	37.1		#	32.7		#	30.4	U		32	U		31.3	U	
Beryllium	mg/kg	16	0.75	U		0.69	U		0.73	U		0.76	U		0.8	U		0.78	U	
Cadmium	mg/kg	7	1.7		#	2.6		#	2.4		#	2.4		#	1.7		#	2		#
Calcium	mg/kg	N/A	386	J	~	4450	J	~	4700	J	~	4560	J	~	526	J	~	1660	J	~
Chromium	mg/kg	0.29	**67.7**	J	A	**97**	J	A	**88.3**	J	A	**89.2**	J	A	**78.3**	J	A	**83.2**	J	A
Cobalt	mg/kg	2.3	**5.8**	J	A	**7.5**		A	**6**	J	A	7.6	U		8	U		7.8	U	
Copper	mg/kg	310	153		#	123		#	170		#	123		#	120		#	130		#

CCL Label - Soil Sample Results Full Table (Stage 1)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-05-C			CCSB-06-A			CCSB-06-B			CCSB-07-A			CCSB-07-B			CCSB-07-C		
		Location	CCSB-05			CCSB-06			CCSB-06			CCSB-07			CCSB-07			CCSB-07		
		Sample Date	11/12/2007			11/12/2007			11/12/2007			11/12/2007			11/12/2007			11/12/2007		
		Depth	4 to 5.5 ft			0 to 1 ft			1 to 2.5 ft			0 to 1 ft			2 to 4 ft			4 to 5.5 ft		
Cyanide	mg/kg	4.7	3.7	U		3.5	U		3.7	U		3.8	U		4	U		1.9	J	#
Iron	mg/kg	5400	76500	R		75700	R		96100	R		85200	R		93400	R		91700	R	
Lead	mg/kg	280	1.5	U		3.3		#	1.5	U		17.3		#	1.6	U		7.9		#
Magnesium	mg/kg	N/A	431	J	~	510	J	~	404	J	~	631	J	~	288	J	~	394	J	~
Manganese	mg/kg	21	**909**	J	A	**1270**	J	A	**1500**	J	A	**870**	J	A	**802**	J	A	**961**	J	A
Mercury	mg/kg	2	0.15	U		0.27		#	0.18		#	**2.3**		A	0.089	J	#	0.19		#
Nickel	mg/kg	150	23		#	16.5		#	18.6		#	19.4		#	22.4		#	20.4		#
Potassium	mg/kg	N/A	745	U		693	U		731	U		761	U		800	U		782	U	
Selenium	mg/kg	5.2	5.2	U		4.8	U		5.1	U		5.3	U		5.6	U		5.5	U	
Silver	mg/kg	12	3.1		#	3.1		#	3.9		#	3.7		#	3.8		#	4		#
Sodium	mg/kg	N/A	360	J	~	192	J	~	265	J	~	57.9	J	~	800	U		111	J	~
Thallium	mg/kg	0.08	3.7	U		3.5	U		3.6	U		3.8	U		4	U		3.9	U	
Vanadium	mg/kg	39	**260**		A	**205**		A	**234**		A	**233**		A	**213**		A	**221**		A
Zinc	mg/kg	2300	51.5		#	144		#	59.1		#	252		#	60.7		#	144		#
Additional Parameters																				
% GRANULE & LARGER >2 MM	%	N/A				9		~	0		~									
% VERY COURSE SAND >1 - 2 MM	%	N/A				7		~	3		~									
% COARSE SAND >.5 - 1 MM	%	N/A				7		~	4		~									
% MEDIUM SAND >.25 - .5 MM	%	N/A				8		~	6		~									
% FINE SAND >.125 - .25 MM	%	N/A				7		~	7		~									
% VERY FINE SAND >.0625 - .125 MM	%	N/A				4		~	5		~									
% SILT	%	N/A				38		~	47		~									
% CLAY & COLLOIDS	%	N/A				21		~	29		~									
pH	s.u.	N/A				8		~	8		~									
Total Organic Carbon	mg/Kg	N/A				15000		~	3200		~									

CCL Label - Soil Sample Results Full Table (Stage 1)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

	Sample Code	CCSB-05-C	CCSB-06-A	CCSB-06-B	CCSB-07-A	CCSB-07-B	CCSB-07-C
	Location	CCSB-05	CCSB-06	CCSB-06	CCSB-07	CCSB-07	CCSB-07
	Sample Date	11/12/2007	11/12/2007	11/12/2007	11/12/2007	11/12/2007	11/12/2007
	Depth	4 to 5.5 ft	0 to 1 ft	1 to 2.5 ft	0 to 1 ft	2 to 4 ft	4 to 5.5 ft

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Comparison Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

CCL Label - Soil Sample Results Full Table (Stage 1)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-08-A			CCSB-08-B			CCSB-08-C			CCSB-08-D			CCSB-09-A			CCSB-09-B		
		Location	CCSB-08			CCSB-08			CCSB-08			CCSB-08			CCSB-09			CCSB-09		
		Sample Date	11/6/2007			11/6/2007			11/6/2007			11/6/2007			11/6/2007			11/6/2007		
		Depth	0 to 1 ft			9 to 11 ft			41 to 43 ft			72 to 74 ft			0 to 1 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	
Chloromethane	ug/Kg	980	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	
Vinyl Chloride	ug/Kg	13.8	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	
Bromomethane	ug/Kg	36	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	
Chloroethane	ug/Kg	118000	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	
Trichlorofluoromethane	ug/Kg	13800	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	
1,1-Dichloroethene	ug/Kg	50	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	
Acetone	ug/Kg	48000	17		#	9.4	U		14	U		14	U		6.6	U		14	U	
Carbon Disulfide	ug/Kg	4200	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	
Methyl Acetate	ug/Kg	64000	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	
Methylene Chloride	ug/Kg	26	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	
trans-1,2-Dichloroethene	ug/Kg	580	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	
Methyl tert-Butyl Ether	ug/Kg	56	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	
1,1-Dichloroethane	ug/Kg	13.6	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	
cis-1,2-Dichloroethene	ug/Kg	420	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	
2-Butanone	ug/Kg	20000	14	U		9.4	U		14	U		14	U		6.6	U		14	U	
Chlorobromomethane	ug/Kg	420	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	
Chloroform	ug/Kg	290	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	
1,1,1-Trichloroethane	ug/Kg	1400	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	
Cyclohexane	ug/Kg	117000	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	
Carbon Tetrachloride	ug/Kg	38	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	
Benzene	ug/Kg	52	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	
1,2-Dichloroethane	ug/Kg	28	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	
1,4-Dioxane	ug/Kg	2.8	140	R		94	R		140	R		140	R		66	R		140	R	
Trichloroethene	ug/Kg	36	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	

CCL Label - Soil Sample Results Full Table (Stage 1)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-08-A			CCSB-08-B			CCSB-08-C			CCSB-08-D			CCSB-09-A			CCSB-09-B		
		Location	CCSB-08			CCSB-08			CCSB-08			CCSB-08			CCSB-09			CCSB-09		
		Sample Date	11/6/2007			11/6/2007			11/6/2007			11/6/2007			11/6/2007			11/6/2007		
		Depth	0 to 1 ft			9 to 11 ft			41 to 43 ft			72 to 74 ft			0 to 1 ft			5 to 7 ft		
Metylcyclohexane	ug/Kg	N/A	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	
1,2-Dichloropropane	ug/Kg	34	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	
Bromodichloromethane	ug/Kg	270	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	
cis-1,3-Dichloropropene	ug/Kg	3	7	U		4.7	U		6.8	U		7.1	U		3.3	UJ		6.9	U	
4-Methyl-2-pentanone	ug/Kg	4600	14	U		9.4	U		14	U		14	U		6.6	U		14	U	
Toluene	ug/Kg	13800	7	U		4.7	U		6.8	U		7.1	U		3.3	U		20		#
trans-1,3-Dichloropropene	ug/Kg	3	7	U		4.7	U		6.8	U		7.1	U		3.3	UJ		6.9	U	
1,1,2-Trichloroethane	ug/Kg	32	7	U		4.7	U		6.8	U		7.1	U		3.3	UJ		6.9	U	
Tetrachloroethene	ug/Kg	46	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	
2-Hexanone	ug/Kg	158	14	U		9.4	U		14	U		14	U		6.6	U		14	U	
Dibromochloromethane	ug/Kg	420	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	
1,2-Dibromoethane	ug/Kg	0.28	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	
Chlorobenzene	ug/Kg	1360	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	
Ethylbenzene	ug/Kg	5400	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	
o-Xylene	ug/Kg	3800	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	
m,p-Xylene	ug/Kg	3600	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	
Styrene	ug/Kg	2200	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	
Bromoform	ug/Kg	420	7	R		4.7	U		6.8	U		7.1	U		3.3	R		6.9	U	
Isopropylbenzene	ug/Kg	12800	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	7	U		4.7	U		6.8	U		7.1	U		3.3	U		6.9	U	
1,3-Dichlorobenzene	ug/Kg	N/A	7	R		4.7	U		6.8	U		7.1	U		3.3	R		6.9	U	
1,4-Dichlorobenzene	ug/Kg	1440	7	R		4.7	U		6.8	U		7.1	U		3.3	R		6.9	U	
1,2-Dichlorobenzene	ug/Kg	11600	7	R		4.7	U		6.8	U		7.1	U		3.3	R		6.9	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	7	R		4.7	U		6.8	U		7.1	U		3.3	R		6.9	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	7	R		4.7	U		6.8	U		7.1	U		3.3	R		6.9	U	
1,2,3-Trichlorobenzene	ug/Kg	300	7	R		4.7	U		6.8	U		7.1	U		3.3	R		6.9	U	
Semi-Volatile Organic Compounds																				

CCL Label - Soil Sample Results Full Table (Stage 1)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-08-A	CCSB-08-B	CCSB-08-C	CCSB-08-D	CCSB-09-A	CCSB-09-B
		Location	CCSB-08	CCSB-08	CCSB-08	CCSB-08	CCSB-09	CCSB-09
		Sample Date	11/6/2007	11/6/2007	11/6/2007	11/6/2007	11/6/2007	11/6/2007
		Depth	0 to 1 ft	9 to 11 ft	41 to 43 ft	72 to 74 ft	0 to 1 ft	5 to 7 ft
Benzaldehyde	ug/Kg	6600	250 U	260 U	270 U	260 U	250 U	270 U
Phenol	ug/Kg	52000	250 U	260 U	270 U	260 U	250 U	270 U
bis(2-Chloroethyl) ether	ug/Kg	0.06	250 U	260 U	270 U	260 U	250 U	270 U
2-Chlorophenol	ug/Kg	1140	250 U	260 U	270 U	260 U	250 U	270 U
2-Methylphenol	ug/Kg	11600	250 U	260 U	270 U	260 U	250 U	270 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	250 U	260 U	270 U	260 U	250 U	270 U
Acetophenone	ug/Kg	9000	250 U	260 U	270 U	260 U	250 U	270 U
4-Methylphenol	ug/Kg	22000	250 U	260 U	270 U	260 U	250 U	270 U
n-Nitroso-di-n-propylamine	ug/Kg	0.14	250 U	260 U	270 U	260 U	250 U	270 U
Hexachloroethane	ug/Kg	9.6	250 U	260 U	270 U	260 U	250 U	270 U
Nitrobenzene	ug/Kg	1.58	250 U	260 U	270 U	260 U	250 U	270 U
Isophorone	ug/Kg	440	250 U	260 U	270 U	260 U	250 U	270 U
2-Nitrophenol	ug/Kg	N/A	250 U	260 U	270 U	260 U	250 U	270 U
2,4-Dimethylphenol	ug/Kg	6400	250 U	260 U	270 U	260 U	250 U	270 U
bis(2-Chloroethoxy)methane	ug/Kg	220	250 U	260 U	270 U	260 U	250 U	270 U
2,4-Dichlorophenol	ug/Kg	820	250 U	260 U	270 U	260 U	250 U	270 U
Naphthalene	ug/Kg	9.4	250 U	260 U	270 U	260 U	250 U	270 U
4-Chloroaniline	ug/Kg	2.6	250 U	260 U	270 U	260 U	250 U	270 U
Hexachlorobutadiene	ug/Kg	10	250 U	260 U	270 U	260 U	250 U	270 U
Caprolactam	ug/Kg	38000	250 U	260 U	270 U	260 U	250 U	270 U
4-Chloro-3-methylphenol	ug/Kg	26000	250 U	260 U	270 U	260 U	250 U	270 U
2-Methylnaphthalene	ug/Kg	2800	250 U	260 U	270 U	260 U	250 U	270 U
Hexachlorocyclopentadiene	ug/Kg	3200	250 U	260 U	270 U	260 U	250 U	270 U
2,4,6-Trichlorophenol	ug/Kg	260	250 U	260 U	270 U	260 U	250 U	270 U
2,4,5-Trichlorophenol	ug/Kg	66000	250 U	260 U	270 U	260 U	250 U	270 U
1,1'-Biphenyl	ug/Kg	174	250 U	260 U	270 U	260 U	250 U	270 U
2-Chloronaphthalene	ug/Kg	58000	250 U	260 U	270 U	260 U	250 U	270 U
2-Nitroaniline	ug/Kg	1240	480 U	510 U	510 U	500 U	480 U	510 U

CCL Label - Soil Sample Results Full Table (Stage 1)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-08-A	CCSB-08-B	CCSB-08-C	CCSB-08-D	CCSB-09-A	CCSB-09-B
		Location	CCSB-08	CCSB-08	CCSB-08	CCSB-08	CCSB-09	CCSB-09
		Sample Date	11/6/2007	11/6/2007	11/6/2007	11/6/2007	11/6/2007	11/6/2007
		Depth	0 to 1 ft	9 to 11 ft	41 to 43 ft	72 to 74 ft	0 to 1 ft	5 to 7 ft
Dimethylphthalate	ug/Kg	N/A	250 U	260 U	270 U	260 U	250 U	270 U
2,6-Dinitrotoluene	ug/Kg	400	250 U	260 U	270 U	260 U	250 U	270 U
Acenaphthylene	ug/Kg	N/A	250 U	260 U	270 U	260 U	250 U	270 U
3-Nitroaniline	ug/Kg	N/A	480 U	510 U	510 U	500 U	480 U	510 U
Acenaphthene	ug/Kg	82000	250 U	260 U	270 U	260 U	250 U	270 U
2,4-Dinitrophenol	ug/Kg	680	480 U	510 U	510 U	500 U	480 U	510 U
4-Nitrophenol	ug/Kg	N/A	480 U	510 U	510 U	500 U	480 U	510 U
Dibenzofuran	ug/Kg	N/A	250 U	260 U	270 U	260 U	250 U	270 U
2,4-Dinitrotoluene	ug/Kg	5.6	250 U	260 U	270 U	260 U	250 U	270 U
Diethylphthalate	ug/Kg	94000	250 U	260 U	270 U	260 U	250 U	270 U
Fluorene	ug/Kg	80000	250 U	260 U	270 U	260 U	250 U	270 U
4-Chlorophenyl-phenylether	ug/Kg	N/A	250 U	260 U	270 U	260 U	250 U	270 U
4-Nitroaniline	ug/Kg	28	480 U	510 U	510 U	500 U	480 U	510 U
4,6-Dinitro-2-methylphenol	ug/Kg	40	480 U	510 U	510 U	500 U	480 U	510 U
n-Nitrosodiphenylamine	ug/Kg	1140	250 U	260 U	270 U	260 U	250 U	270 U
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	250 U	260 U	270 U	260 U	250 U	270 U
4-Bromophenyl-phenylether	ug/Kg	N/A	250 U	260 U	270 U	260 U	250 U	270 U
Hexachlorobenzene	ug/Kg	260	250 U	260 U	270 U	260 U	250 U	270 U
Atrazine	ug/Kg	38	250 U	260 U	270 U	260 U	250 U	270 U
Pentachlorophenol	ug/Kg	200	480 U	510 U	510 U	500 U	480 U	510 U
Phenanthrene	ug/Kg	N/A	250 U	260 U	270 U	260 U	250 U	270 U
Anthracene	ug/Kg	840000	250 U	260 U	270 U	260 U	250 U	270 U
Carbazole	ug/Kg	N/A	250 U	260 U	270 U	260 U	250 U	270 U
Di-n-butylphthalate	ug/Kg	34000	250 U	260 U	270 U	260 U	250 U	270 U
Fluoranthene	ug/Kg	230000	250 U	260 U	270 U	260 U	250 U	270 U
Pyrene	ug/Kg	170000	250 U	260 U	270 U	260 U	250 U	270 U
Butylbenzylphthalate	ug/Kg	4000	250 U	260 U	270 U	260 U	250 U	270 U
3,3'-Dichlorobenzidine	ug/Kg	14.2	250 U	260 U	270 U	260 U	250 U	270 U

CCL Label - Soil Sample Results Full Table (Stage 1)
Cidra Groundwater Contamination Site
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		Sample Code	CCSB-08-A			CCSB-08-B			CCSB-08-C			CCSB-08-D			CCSB-09-A			CCSB-09-B		
		Location	CCSB-08			CCSB-08			CCSB-08			CCSB-08			CCSB-09			CCSB-09		
		Sample Date	11/6/2007			11/6/2007			11/6/2007			11/6/2007			11/6/2007			11/6/2007		
		Depth	0 to 1 ft			9 to 11 ft			41 to 43 ft			72 to 74 ft			0 to 1 ft			5 to 7 ft		
Benzo(a)anthracene	ug/Kg	150	250	U		260	U		270	U		260	U		250	U		270	U	
Chrysene	ug/Kg	15000	250	U		260	U		270	U		260	U		250	U		270	U	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	100	J	#	260	U		270	U		260	U		250	U		270	U	
Di-n-octylphthalate	ug/Kg	N/A	250	U		260	U		270	U		260	U		250	U		270	U	
Benzo(b)fluoranthene	ug/Kg	150	250	U		260	U		270	U		260	U		250	U		270	U	
Benzo(k)fluoranthene	ug/Kg	1500	250	U		260	U		270	U		260	U		250	U		270	U	
Benzo(a)pyrene	ug/Kg	15	250	U		260	U		270	U		260	U		250	U		270	U	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	250	U		260	U		270	U		260	U		250	U		270	U	
Dibenz(a,h)anthracene	ug/Kg	15	250	U		260	U		270	U		260	U		250	U		270	U	
Benzo(g,h,i)perylene	ug/Kg	N/A	250	U		260	U		270	U		260	U		250	U		270	U	
Chlorophenols	ug/Kg	22000	250	U		260	U		270	U		260	U		250	U		270	U	
PCBs																				
Aroclor-1016	ug/Kg	390	48	UJ		51	UJ		52	UJ		50	UJ		48	UJ		51	UJ	
Aroclor-1221	ug/Kg	1.48	48	UJ		51	UJ		52	UJ		50	UJ		48	UJ		51	UJ	
Aroclor-1232	ug/Kg	1.48	48	UJ		51	UJ		52	UJ		50	UJ		48	UJ		51	UJ	
Aroclor-1242	ug/Kg	106	48	UJ		51	UJ		52	UJ		50	UJ		48	UJ		51	UJ	
Aroclor-1248	ug/Kg	104	48	UJ		51	UJ		52	UJ		50	UJ		48	UJ		51	UJ	
Aroclor-1254	ug/Kg	110	48	UJ		51	UJ		52	UJ		50	UJ		48	UJ		51	UJ	
Aroclor-1260	ug/Kg	220	48	UJ		51	UJ		52	UJ		50	UJ		48	UJ		51	UJ	
Aroclor-1262	ug/Kg	220	48	UJ		51	UJ		52	UJ		50	UJ		48	UJ		51	UJ	
Aroclor-1268	ug/Kg	220	48	UJ		51	UJ		52	UJ		50	UJ		48	UJ		51	UJ	
Pesticides																				
alpha-BHC	ug/Kg	0.72	2.5	U		2.6	U		2.7	U		2.6	U		2.5	U		2.7	U	
beta-BHC	ug/Kg	2.6	2.5	U		2.6	U		2.7	U		2.6	U		2.5	U		2.7	U	
delta-BHC	ug/Kg	N/A	2.5	U		2.6	U		2.7	U		2.6	U		2.5	U		2.7	U	
gamma-BHC (Lindane)	ug/Kg	24	2.5	U		2.6	U		2.7	U		2.6	U		2.5	U		2.7	U	

CCL Label - Soil Sample Results Full Table (Stage 1)
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		Sample Code	CCSB-08-A			CCSB-08-B			CCSB-08-C			CCSB-08-D			CCSB-09-A			CCSB-09-B		
		Location	CCSB-08			CCSB-08			CCSB-08			CCSB-08			CCSB-09			CCSB-09		
		Sample Date	11/6/2007			11/6/2007			11/6/2007			11/6/2007			11/6/2007			11/6/2007		
		Depth	0 to 1 ft			9 to 11 ft			41 to 43 ft			72 to 74 ft			0 to 1 ft			5 to 7 ft		
Heptachlor	ug/Kg	110	2.5	U		2.6	U		2.7	U		2.6	U		2.5	U		2.7	U	
Aldrin	ug/Kg	0.68	2.5	U		2.6	U		2.7	U		2.6	U		2.5	U		2.7	U	
Heptachlor epoxide	ug/Kg	53	2.5	U		2.6	U		2.7	U		2.6	U		2.5	U		2.7	U	
Endosulfan I	ug/Kg	22000	2.5	U		2.6	U		2.7	U		2.6	U		2.5	U		2.7	U	
Dieldrin	ug/Kg	1.22	4.8	U		5.1	U		5.1	U		5	U		4.8	U		5.2	U	
4,4'-DDE	ug/Kg	920	4.8	U		5.1	U		5.1	U		5	U		4.8	U		5.2	U	
Endrin	ug/Kg	1620	4.8	U		5.1	U		5.1	U		5	U		4.8	U		5.2	U	
Endosulfan II	ug/Kg	22000	4.8	U		5.1	U		5.1	U		5	U		4.8	U		5.2	U	
4,4'-DDD	ug/Kg	1320	4.8	U		5.1	U		5.1	U		5	U		4.8	U		5.2	U	
Endosulfan sulfate	ug/Kg	22000	4.8	U		5.1	U		5.1	U		5	U		4.8	U		5.2	U	
4,4'-DDT	ug/Kg	1340	4.8	U		5.1	U		5.1	U		5	U		4.8	U		5.2	U	
Methoxychlor	ug/Kg	31000	25	U		26	U		27	U		26	U		25	U		27	U	
Endrin ketone	ug/Kg	1620	4.8	U		5.1	U		5.1	U		5	U		4.8	U		5.2	U	
Endrin aldehyde	ug/Kg	1620	4.8	U		5.1	U		5.1	U		5	U		4.8	U		5.2	U	
alpha-Chlordane	ug/Kg	1600	2.5	U		2.6	U		2.7	U		2.6	U		2.5	U		2.7	U	
gamma-Chlordane	ug/Kg	1600	2.5	U		2.6	U		2.7	U		2.6	U		2.5	U		2.7	U	
Toxaphene	ug/Kg	440	250	U		260	U		270	U		260	U		250	U		270	U	
Inorganic Analytes																				
Aluminum	mg/kg	7700	**12200**		A	**11000**		A	**26500**		A	**36700**		A	**14300**		A	**18400**		A
Antimony	mg/kg	3.1	22.4	U		22.7	U		23.7	U		22.7	U		22.4	U		23.7	U	
Arsenic	mg/kg	0.39	**1.1**	J	A	1.5	U		1.6	U		1.5	U		1.5	U		**0.79**	J	A
Barium	mg/kg	1500	50.9		#	66.2		#	296		#	844		#	11.8	J	#	114		#
Beryllium	mg/kg	16	0.75	U		0.76	U		2		#	0.93		#	0.76	U		0.79	U	
Cadmium	mg/kg	7	1.5		#	1.3		#	1.4		#	2		#	0.89		#	0.91		#
Calcium	mg/kg	N/A	1780	J	~	600	J	~	890	J	~	1250	J	~	451	J	~	159	J	~
Chromium	mg/kg	0.29	**113**		A	**86.2**		A	**140**		A	**194**		A	**40.1**		A	**39.5**		A
Cobalt	mg/kg	2.3	**15.9**	J	A	**117**	J	A	**148**	J	A	**99.3**	J	A	2.2	J	#	**17.2**	J	A
Copper	mg/kg	310	188		#	198		#	**944**		A	178		#	147		#	164		#

CCL Label - Soil Sample Results Full Table (Stage 1)
Cidra Groundwater Contamination Site
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		Sample Code	CCSB-08-A			CCSB-08-B			CCSB-08-C			CCSB-08-D			CCSB-09-A			CCSB-09-B		
		Location	CCSB-08			CCSB-08			CCSB-08			CCSB-08			CCSB-09			CCSB-09		
		Sample Date	11/6/2007			11/6/2007			11/6/2007			11/6/2007			11/6/2007			11/6/2007		
		Depth	0 to 1 ft			9 to 11 ft			41 to 43 ft			72 to 74 ft			0 to 1 ft			5 to 7 ft		
Cyanide	mg/kg	4.7	0.16	J	#	0.13	J	#	4	U		3.8	U		3.8	U		3.9	U	
Iron	mg/kg	5400	91200	R		88600	R		79900	R		67500	R		66900	R		76000	R	
Lead	mg/kg	280	1.8		#	1.5	U		1.6	U		1.5	U		1.5	U		1.6	U	
Magnesium	mg/kg	N/A	423	J	~	412	J	~	10200		~	14500		~	397	J	~	690	J	~
Manganese	mg/kg	21	**1730**	J	A	**1980**	J	A	**1370**	J	A	**1870**	J	A	**652**	J	A	**1940**	J	A
Mercury	mg/kg	2	0.17		#	0.13	J	#	0.16	U		0.15	U		0.15	U		0.16	U	
Nickel	mg/kg	150	13.9		#	17.6		#	76.1		#	**232**		A	12.7		#	18.7		#
Potassium	mg/kg	N/A	181	J	~	345	J	~	618	J	~	472	J	~	153	J	~	97.7	J	~
Selenium	mg/kg	5.2	5.2	U		5.2	U		5.5	U		5.3	U		5.3	U		5.5	U	
Silver	mg/kg	12	4.9	J	#	5	J	#	4.4	J	#	3.7	J	#	3.4	J	#	4.2	J	#
Sodium	mg/kg	N/A	239	J	~	165	J	~	315	J	~	264	J	~	307	J	~	218	J	~
Thallium	mg/kg	0.08	3.7	U		3.8	U		4	U		3.8	U		3.7	U		3.9	U	
Vanadium	mg/kg	39	**226**	J	A	**220**	J	A	**224**	J	A	**165**	J	A	**184**	J	A	**228**	J	A
Zinc	mg/kg	2300	66.9	J	#	48.3	J	#	316	J	#	514	J	#	39.6	J	#	44.8	J	#
Additional Parameters																				
% GRANULE & LARGER >2 MM	%	N/A																		
% VERY COURSE SAND >1 - 2 MM	%	N/A																		
% COARSE SAND >.5 - 1 MM	%	N/A																		
% MEDIUM SAND >.25 - .5 MM	%	N/A																		
% FINE SAND >.125 - .25 MM	%	N/A																		
% VERY FINE SAND >.0625 - .125 MM	%	N/A																		
% SILT	%	N/A																		
% CLAY & COLLOIDS	%	N/A																		
pH	s.u.	N/A																		
Total Organic Carbon	mg/Kg	N/A																		

CCL Label - Soil Sample Results Full Table (Stage 1)
Cidra Groundwater Contamination Site
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	Sample Code	CCSB-08-A	CCSB-08-B	CCSB-08-C	CCSB-08-D	CCSB-09-A	CCSB-09-B
	Location	CCSB-08	CCSB-08	CCSB-08	CCSB-08	CCSB-09	CCSB-09
	Sample Date	11/6/2007	11/6/2007	11/6/2007	11/6/2007	11/6/2007	11/6/2007
	Depth	0 to 1 ft	9 to 11 ft	41 to 43 ft	72 to 74 ft	0 to 1 ft	5 to 7 ft

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Comparison Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

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Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-09-C			CCSB-09-D			CCSB-10-A			CCSB-10-B			CCSB-10-C			CCSB-10-D		
		Location	CCSB-09			CCSB-09			CCSB-10			CCSB-10			CCSB-10			CCSB-10		
		Sample Date	11/6/2007			11/6/2007			11/12/2007			11/12/2007			11/12/2007			11/12/2007		
		Depth	21 to 23 ft			71 to 73 ft			0 to 1 ft			5 to 7 ft			41 to 43 ft			62 to 64 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	5.6	U		5.4	U		5.8	U		7.5	U		7.1	U		6.7	U	
Chloromethane	ug/Kg	980	5.6	U		5.4	U		5.8	U		7.5	U		7.1	U		6.7	U	
Vinyl Chloride	ug/Kg	13.8	5.6	U		5.4	U		5.8	U		7.5	U		7.1	U		6.7	U	
Bromomethane	ug/Kg	36	5.6	U		5.4	U		5.8	U		7.5	U		7.1	U		6.7	U	
Chloroethane	ug/Kg	118000	5.6	U		5.4	U		5.8	U		7.5	U		7.1	U		6.7	U	
Trichlorofluoromethane	ug/Kg	13800	5.6	U		5.4	U		5.8	U		7.5	U		7.1	U		6.7	U	
1,1-Dichloroethene	ug/Kg	50	5.6	U		5.4	U		5.8	U		7.5	U		7.1	U		6.7	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	5.6	U		5.4	U		5.8	U		7.5	U		7.1	U		6.7	U	
Acetone	ug/Kg	48000	11	U		11	U		12	U		15	U		14	U		13	U	
Carbon Disulfide	ug/Kg	4200	5.6	U		5.4	U		5.8	U		7.5	U		7.1	U		6.7	U	
Methyl Acetate	ug/Kg	64000	5.6	U		5.4	U		5.8	U		7.5	U		7.1	U		6.7	U	
Methylene Chloride	ug/Kg	26	5.6	U		5.4	U		5.8	U		7.5	U		7.1	U		6.7	U	
trans-1,2-Dichloroethene	ug/Kg	580	5.6	U		5.4	U		5.8	U		7.5	U		7.1	U		6.7	U	
Methyl tert-Butyl Ether	ug/Kg	56	5.6	U		5.4	U		5.8	U		7.5	U		7.1	U		6.7	U	
1,1-Dichloroethane	ug/Kg	13.6	5.6	U		5.4	U		5.8	UJ		7.5	UJ		7.1	U		6.7	U	
cis-1,2-Dichloroethene	ug/Kg	420	5.6	U		5.4	U		5.8	U		7.5	U		7.1	U		6.7	U	
2-Butanone	ug/Kg	20000	11	U		11	U		12	U		15	U		14	U		13	U	
Chlorobromomethane	ug/Kg	420	5.6	U		5.4	U		5.8	UJ		7.5	UJ		7.1	U		6.7	U	
Chloroform	ug/Kg	290	5.6	U		53		#	5.8	UJ		7.5	UJ		7.1	U		6.7	U	
1,1,1-Trichloroethane	ug/Kg	1400	5.6	U		5.4	U		5.8	U		7.5	U		7.1	U		6.7	U	
Cyclohexane	ug/Kg	117000	5.6	U		5.4	U		5.8	U		7.5	U		7.1	U		6.7	U	
Carbon Tetrachloride	ug/Kg	38	5.6	U		5.4	U		5.8	U		7.5	U		7.1	U		6.7	U	
Benzene	ug/Kg	52	5.6	U		5.4	U		5.8	U		7.5	U		7.1	U		6.7	U	
1,2-Dichloroethane	ug/Kg	28	5.6	U		5.4	U		5.8	U		7.5	U		7.1	U		6.7	U	
1,4-Dioxane	ug/Kg	2.8	110	R		110	R		120	R		150	R		140	R		130	R	
Trichloroethene	ug/Kg	36	5.6	U		5.4	U		5.8	U		7.5	U		7.1	U		6.7	U	

CCL Label - Soil Sample Results Full Table (Stage 1)
Cidra Groundwater Contamination Site
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		Sample Code	CCSB-09-C	CCSB-09-D	CCSB-10-A	CCSB-10-B	CCSB-10-C	CCSB-10-D
		Location	CCSB-09	CCSB-09	CCSB-10	CCSB-10	CCSB-10	CCSB-10
		Sample Date	11/6/2007	11/6/2007	11/12/2007	11/12/2007	11/12/2007	11/12/2007
		Depth	21 to 23 ft	71 to 73 ft	0 to 1 ft	5 to 7 ft	41 to 43 ft	62 to 64 ft
Metylcyclohexane	ug/Kg	N/A	5.6 U	5.4 U	5.8 U	7.5 U	7.1 U	6.7 U
1,2-Dichloropropane	ug/Kg	34	5.6 U	5.4 U	5.8 U	7.5 U	7.1 U	6.7 U
Bromodichloromethane	ug/Kg	270	5.6 U	5.4 U	5.8 U	7.5 U	7.1 U	6.7 U
cis-1,3-Dichloropropene	ug/Kg	3	5.6 U	5.4 U	5.8 U	7.5 U	7.1 U	6.7 U
4-Methyl-2-pentanone	ug/Kg	4600	11 U	11 U	12 U	15 U	14 U	13 U
Toluene	ug/Kg	13800	5.6 U	5.4 U	5.8 U	7.5 U	7.1 U	6.7 U
trans-1,3-Dichloropropene	ug/Kg	3	5.6 U	5.4 U	5.8 U	7.5 U	7.1 U	6.7 U
1,1,2-Trichloroethane	ug/Kg	32	5.6 U	5.4 U	5.8 U	7.5 U	7.1 U	6.7 U
Tetrachloroethene	ug/Kg	46	5.6 U	5.4 U	5.8 U	7.5 U	7.1 U	6.7 U
2-Hexanone	ug/Kg	158	11 U	11 U	12 U	15 U	14 U	13 U
Dibromochloromethane	ug/Kg	420	5.6 U	5.4 U	5.8 UJ	7.5 UJ	7.1 U	6.7 U
1,2-Dibromoethane	ug/Kg	0.28	5.6 U	5.4 U	5.8 U	7.5 U	7.1 U	6.7 U
Chlorobenzene	ug/Kg	1360	5.6 U	5.4 U	5.8 U	7.5 U	7.1 U	6.7 U
Ethylbenzene	ug/Kg	5400	5.6 U	5.4 U	5.8 U	7.5 U	7.1 U	6.7 U
o-Xylene	ug/Kg	3800	5.6 U	5.4 U	5.8 U	7.5 U	7.1 U	6.7 U
m,p-Xylene	ug/Kg	3600	5.6 U	5.4 U	5.8 U	7.5 U	7.1 U	6.7 U
Styrene	ug/Kg	2200	5.6 U	5.4 U	5.8 U	7.5 U	7.1 U	6.7 U
Bromoform	ug/Kg	420	5.6 U	5.4 U	5.8 UJ	7.5 UJ	7.1 U	6.7 U
Isopropylbenzene	ug/Kg	12800	5.6 U	5.4 U	5.8 U	7.5 U	7.1 U	6.7 U
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	5.6 U	5.4 U	5.8 U	7.5 U	7.1 U	6.7 U
1,3-Dichlorobenzene	ug/Kg	N/A	5.6 U	5.4 U	5.8 U	7.5 U	7.1 U	6.7 U
1,4-Dichlorobenzene	ug/Kg	1440	5.6 U	5.4 U	5.8 U	7.5 U	7.1 U	6.7 U
1,2-Dichlorobenzene	ug/Kg	11600	5.6 U	5.4 U	5.8 U	7.5 U	7.1 U	6.7 U
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	5.6 U	5.4 U	5.8 U	7.5 U	7.1 U	6.7 U
1,2,4-Trichlorobenzene	ug/Kg	4000	5.6 U	5.4 U	5.8 U	7.5 U	7.1 U	6.7 U
1,2,3-Trichlorobenzene	ug/Kg	300	5.6 U	5.4 U	5.8 U	7.5 U	7.1 U	6.7 U
Semi-Volatile Organic Compounds								

CCL Label - Soil Sample Results Full Table (Stage 1)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-09-C		CCSB-09-D		CCSB-10-A		CCSB-10-B		CCSB-10-C		CCSB-10-D	
		Location	CCSB-09		CCSB-09		CCSB-10		CCSB-10		CCSB-10		CCSB-10	
		Sample Date	11/6/2007		11/6/2007		11/12/2007		11/12/2007		11/12/2007		11/12/2007	
		Depth	21 to 23 ft		71 to 73 ft		0 to 1 ft		5 to 7 ft		41 to 43 ft		62 to 64 ft	
Benzaldehyde	ug/Kg	6600	270	U	260	U	230	U	250	U	250	U	250	U
Phenol	ug/Kg	52000	270	U	260	U	230	U	250	U	250	U	250	U
bis(2-Chloroethyl) ether	ug/Kg	0.06	270	U	260	U	230	U	250	U	250	U	250	U
2-Chlorophenol	ug/Kg	1140	270	U	260	U	230	U	250	U	250	U	250	U
2-Methylphenol	ug/Kg	11600	270	U	260	U	230	U	250	U	250	U	250	U
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	270	U	260	U	230	U	250	U	250	U	250	U
Acetophenone	ug/Kg	9000	270	U	260	U	230	U	250	U	250	U	250	U
4-Methylphenol	ug/Kg	22000	270	U	260	U	230	U	250	U	250	U	250	U
n-Nitroso-di-n-propylamine	ug/Kg	0.14	270	U	260	U	230	U	250	U	250	U	250	U
Hexachloroethane	ug/Kg	9.6	270	U	260	U	230	U	250	U	250	U	250	U
Nitrobenzene	ug/Kg	1.58	270	U	260	U	230	U	250	U	250	U	250	U
Isophorone	ug/Kg	440	270	U	260	U	230	U	250	U	250	U	250	U
2-Nitrophenol	ug/Kg	N/A	270	U	260	U	230	U	250	U	250	U	250	U
2,4-Dimethylphenol	ug/Kg	6400	270	U	260	U	230	U	250	U	250	U	250	U
bis(2-Chloroethoxy)methane	ug/Kg	220	270	U	260	U	230	U	250	U	250	U	250	U
2,4-Dichlorophenol	ug/Kg	820	270	U	260	U	230	U	250	U	250	U	250	U
Naphthalene	ug/Kg	9.4	270	U	260	U	230	U	250	U	250	U	250	U
4-Chloroaniline	ug/Kg	2.6	270	U	260	U	230	U	250	U	250	U	250	U
Hexachlorobutadiene	ug/Kg	10	270	U	260	U	230	U	250	U	250	U	250	U
Caprolactam	ug/Kg	38000	270	U	260	U	230	U	250	U	250	U	250	U
4-Chloro-3-methylphenol	ug/Kg	26000	270	U	260	U	230	U	250	U	250	U	250	U
2-Methylnaphthalene	ug/Kg	2800	270	U	260	U	230	U	250	U	250	U	250	U
Hexachlorocyclopentadiene	ug/Kg	3200	270	U	260	U	230	U	250	U	250	U	250	U
2,4,6-Trichlorophenol	ug/Kg	260	270	U	260	U	230	U	250	U	250	U	250	U
2,4,5-Trichlorophenol	ug/Kg	66000	270	U	260	U	230	U	250	U	250	U	250	U
1,1'-Biphenyl	ug/Kg	174	270	U	260	U	230	U	250	U	250	U	250	U
2-Chloronaphthalene	ug/Kg	58000	270	U	260	U	230	U	250	U	250	U	250	U
2-Nitroaniline	ug/Kg	1240	520	U	510	U	440	U	480	U	480	U	480	U

CCL Label - Soil Sample Results Full Table (Stage 1)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-09-C		CCSB-09-D		CCSB-10-A		CCSB-10-B		CCSB-10-C		CCSB-10-D	
		Location	CCSB-09		CCSB-09		CCSB-10		CCSB-10		CCSB-10		CCSB-10	
		Sample Date	11/6/2007		11/6/2007		11/12/2007		11/12/2007		11/12/2007		11/12/2007	
		Depth	21 to 23 ft		71 to 73 ft		0 to 1 ft		5 to 7 ft		41 to 43 ft		62 to 64 ft	
Dimethylphthalate	ug/Kg	N/A	270	U	260	U	230	U	250	U	250	U	250	U
2,6-Dinitrotoluene	ug/Kg	400	270	U	260	U	230	U	250	U	250	U	250	U
Acenaphthylene	ug/Kg	N/A	270	U	260	U	230	U	250	U	250	U	250	U
3-Nitroaniline	ug/Kg	N/A	520	U	510	U	440	U	480	U	480	U	480	U
Acenaphthene	ug/Kg	82000	270	U	260	U	230	U	250	U	250	U	250	U
2,4-Dinitrophenol	ug/Kg	680	520	U	510	U	440	U	480	U	480	U	480	U
4-Nitrophenol	ug/Kg	N/A	520	U	510	U	440	U	480	U	480	U	480	U
Dibenzofuran	ug/Kg	N/A	270	U	260	U	230	U	250	U	250	U	250	U
2,4-Dinitrotoluene	ug/Kg	5.6	270	U	260	U	230	U	250	U	250	U	250	U
Diethylphthalate	ug/Kg	94000	270	U	260	U	230	U	250	U	250	U	250	U
Fluorene	ug/Kg	80000	270	U	260	U	230	U	250	U	250	U	250	U
4-Chlorophenyl-phenylether	ug/Kg	N/A	270	U	260	U	230	U	250	U	250	U	250	U
4-Nitroaniline	ug/Kg	28	520	U	510	U	440	U	480	U	480	U	480	U
4,6-Dinitro-2-methylphenol	ug/Kg	40	520	U	510	U	440	U	480	U	480	U	480	U
n-Nitrosodiphenylamine	ug/Kg	1140	270	U	260	U	230	U	250	U	250	U	250	U
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	270	U	260	U	230	U	250	U	250	U	250	U
4-Bromophenyl-phenylether	ug/Kg	N/A	270	U	260	U	230	U	250	U	250	U	250	U
Hexachlorobenzene	ug/Kg	260	270	U	260	U	230	U	250	U	250	U	250	U
Atrazine	ug/Kg	38	270	U	260	U	230	U	250	U	250	U	250	U
Pentachlorophenol	ug/Kg	200	520	U	510	U	440	U	480	U	480	U	480	U
Phenanthrene	ug/Kg	N/A	270	U	260	U	230	U	250	U	250	U	250	U
Anthracene	ug/Kg	840000	270	U	260	U	230	U	250	U	250	U	250	U
Carbazole	ug/Kg	N/A	270	U	260	U	230	U	250	U	250	U	250	U
Di-n-butylphthalate	ug/Kg	34000	270	U	260	U	230	U	250	U	250	U	250	U
Fluoranthene	ug/Kg	230000	270	U	260	U	230	U	250	U	250	U	250	U
Pyrene	ug/Kg	170000	270	U	260	U	230	U	250	U	250	U	250	U
Butylbenzylphthalate	ug/Kg	4000	270	U	260	U	230	U	250	U	250	U	250	U
3,3'-Dichlorobenzidine	ug/Kg	14.2	270	U	260	U	230	U	250	U	250	U	250	U

CCL Label - Soil Sample Results Full Table (Stage 1)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-09-C			CCSB-09-D			CCSB-10-A			CCSB-10-B			CCSB-10-C			CCSB-10-D		
		Location	CCSB-09			CCSB-09			CCSB-10			CCSB-10			CCSB-10			CCSB-10		
		Sample Date	11/6/2007			11/6/2007			11/12/2007			11/12/2007			11/12/2007			11/12/2007		
		Depth	21 to 23 ft			71 to 73 ft			0 to 1 ft			5 to 7 ft			41 to 43 ft			62 to 64 ft		
Benzo(a)anthracene	ug/Kg	150	270	U		260	U		230	U		250	U		250	U		250	U	
Chrysene	ug/Kg	15000	270	U		260	U		230	U		250	U		250	U		250	U	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	90	J	#	260	U		230	U		250	U		250	U		250	U	
Di-n-octylphthalate	ug/Kg	N/A	270	U		260	U		230	U		250	U		250	U		250	U	
Benzo(b)fluoranthene	ug/Kg	150	270	U		260	U		230	U		250	U		250	UJ		250	UJ	
Benzo(k)fluoranthene	ug/Kg	1500	270	U		260	U		230	U		250	U		250	UJ		250	UJ	
Benzo(a)pyrene	ug/Kg	15	270	U		260	U		230	U		250	U		250	UJ		250	UJ	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	270	U		260	U		230	U		250	U		250	UJ		250	UJ	
Dibenz(a,h)anthracene	ug/Kg	15	270	U		260	U		230	U		250	U		250	UJ		250	UJ	
Benzo(g,h,i)perylene	ug/Kg	N/A	270	U		260	U		230	U		250	U		250	UJ		250	UJ	
Chlorophenols	ug/Kg	22000	270	U		260	U		230	U		250	U		250	U		250	U	
PCBs																				
Aroclor-1016	ug/Kg	390	52	UJ		51	UJ		44	U		48	U		48	U		48	U	
Aroclor-1221	ug/Kg	1.48	52	UJ		51	UJ		44	U		48	U		48	U		48	U	
Aroclor-1232	ug/Kg	1.48	52	UJ		51	UJ		44	U		48	U		48	U		48	U	
Aroclor-1242	ug/Kg	106	52	UJ		51	UJ		44	U		48	U		48	U		48	U	
Aroclor-1248	ug/Kg	104	52	UJ		51	UJ		44	U		48	U		48	U		48	U	
Aroclor-1254	ug/Kg	110	52	UJ		51	UJ		44	U		48	U		48	U		48	U	
Aroclor-1260	ug/Kg	220	52	UJ		51	UJ		44	U		48	U		48	U		48	U	
Aroclor-1262	ug/Kg	220	52	UJ		51	UJ		44	U		48	U		48	U		48	U	
Aroclor-1268	ug/Kg	220	52	UJ		51	UJ		44	U		48	U		48	U		48	U	
Pesticides																				
alpha-BHC	ug/Kg	0.72	2.7	U		2.6	U		2.3	U		2.5	U		2.5	U		2.5	U	
beta-BHC	ug/Kg	2.6	2.7	U		2.6	U		2.3	U		2.5	U		2.5	U		2.5	U	
delta-BHC	ug/Kg	N/A	2.7	U		2.6	U		2.3	U		2.5	U		2.5	U		2.5	U	
gamma-BHC (Lindane)	ug/Kg	24	2.7	U		2.6	U		2.3	U		2.5	U		2.5	U		2.5	U	

CCL Label - Soil Sample Results Full Table (Stage 1)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-09-C			CCSB-09-D			CCSB-10-A			CCSB-10-B			CCSB-10-C			CCSB-10-D		
		Location	CCSB-09			CCSB-09			CCSB-10			CCSB-10			CCSB-10			CCSB-10		
		Sample Date	11/6/2007			11/6/2007			11/12/2007			11/12/2007			11/12/2007			11/12/2007		
		Depth	21 to 23 ft			71 to 73 ft			0 to 1 ft			5 to 7 ft			41 to 43 ft			62 to 64 ft		
Heptachlor	ug/Kg	110	2.7	U		2.6	U		2.3	U		2.5	U		2.5	U		2.5	U	
Aldrin	ug/Kg	0.68	2.7	U		2.6	U		2.3	U		2.5	U		2.5	U		2.5	U	
Heptachlor epoxide	ug/Kg	53	2.7	U		2.6	U		2.3	U		2.5	U		2.5	U		2.5	U	
Endosulfan I	ug/Kg	22000	2.7	U		2.6	U		2.3	U		2.5	U		2.5	U		2.5	U	
Dieldrin	ug/Kg	1.22	5.2	U		5.1	U		4.5	U		4.8	U		4.8	U		4.8	U	
4,4'-DDE	ug/Kg	920	5.2	U		5.1	U		4.5	U		4.8	U		4.8	U		4.8	U	
Endrin	ug/Kg	1620	5.2	U		5.1	U		4.5	U		4.8	U		4.8	U		4.8	U	
Endosulfan II	ug/Kg	22000	5.2	U		5.1	U		4.5	U		4.8	U		4.8	U		4.8	U	
4,4'-DDD	ug/Kg	1320	5.2	U		5.1	U		4.5	U		4.8	U		4.8	U		4.8	U	
Endosulfan sulfate	ug/Kg	22000	5.2	U		5.1	U		4.5	U		4.8	U		4.8	U		4.8	U	
4,4'-DDT	ug/Kg	1340	5.2	U		5.1	U		4.5	U		4.8	U		4.8	U		4.8	U	
Methoxychlor	ug/Kg	31000	27	U		26	U		23	U		25	U		25	U		25	U	
Endrin ketone	ug/Kg	1620	5.2	U		5.1	U		4.5	U		4.8	U		4.8	U		4.8	U	
Endrin aldehyde	ug/Kg	1620	5.2	U		5.1	U		4.5	U		4.8	U		4.8	U		4.8	U	
alpha-Chlordane	ug/Kg	1600	2.7	U		2.6	U		2.3	U		2.5	U		2.5	U		2.5	U	
gamma-Chlordane	ug/Kg	1600	2.7	U		2.6	U		2.3	U		2.5	U		2.5	U		2.5	U	
Toxaphene	ug/Kg	440	270	U		260	U		230	U		250	U		250	U		250	U	
Inorganic Analytes																				
Aluminum	mg/kg	7700	**19500**		A	**34700**		A	6890		#	**11700**		A	**36600**		A	**30100**		A
Antimony	mg/kg	3.1	23.7	U		22.5	U		20.4	U		21.6	U		22	U		21.3	U	
Arsenic	mg/kg	0.39	1.6	U		1.5	U		1.4	U		1.4	U		1.5	U		**1.3**	J	A
Barium	mg/kg	1500	244		#	889		#	69.3		#	150		#	909		#	933		#
Beryllium	mg/kg	16	1.3		#	0.76	U		0.68	U		0.72	U		2		#	0.71	U	
Cadmium	mg/kg	7	1.2		#	2.7		#	0.68	U		0.72	U		1.6		#	2.6		#
Calcium	mg/kg	N/A	483	J	~	1690	J	~	382	J	~	424	J	~	909	J	~	1440	J	~
Chromium	mg/kg	0.29	**64.3**		A	**105**		A	**31.8**	J	A	**56**		A	**112**		A	**108**		A
Cobalt	mg/kg	2.3	**64.5**	J	A	**56**	J	A	**92.7**		A	**146**	J	A	**177**	J	A	**45.5**	J	A
Copper	mg/kg	310	**382**		A	154		#	90.8		#	194		#	**413**		A	162		#

CCL Label - Soil Sample Results Full Table (Stage 1)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-09-C			CCSB-09-D			CCSB-10-A			CCSB-10-B			CCSB-10-C			CCSB-10-D		
		Location	CCSB-09			CCSB-09			CCSB-10			CCSB-10			CCSB-10			CCSB-10		
		Sample Date	11/6/2007			11/6/2007			11/12/2007			11/12/2007			11/12/2007			11/12/2007		
		Depth	21 to 23 ft			71 to 73 ft			0 to 1 ft			5 to 7 ft			41 to 43 ft			62 to 64 ft		
Cyanide	mg/kg	4.7	4	U		3.8	U		3.4	U		3.6	U		3.7	U		3.6	U	
Iron	mg/kg	5400	79200	R		71100	R		42500	R		77400	R		69900	R		68600	R	
Lead	mg/kg	280	1.6	U		1.5	U		1.4	U		1.4	U		1.5	U		1.4	U	
Magnesium	mg/kg	N/A	4000		~	17400		~	289	J	~	849		~	16500		~	20300		~
Manganese	mg/kg	21	**2040**	J	A	**1660**	J	A	**1740**	J	A	**2430**	J	A	**2310**	J	A	**2200**	J	A
Mercury	mg/kg	2	0.16	U		0.13	J	#	0.06	J	#	0.071	J	#	0.15	U		0.14	U	
Nickel	mg/kg	150	40.9		#	**232**		A	18.8		#	42.9		#	**296**		A	150		#
Potassium	mg/kg	N/A	210	J	~	753	J	~	679	U		718	UJ		734	UJ		711	UJ	
Selenium	mg/kg	5.2	5.5	U		5.2	U		4.8	U		5	U		5.1	U		5	U	
Silver	mg/kg	12	4.4	J	#	3.9	J	#	2.1		#	4.6	J	#	4.8	J	#	5	J	#
Sodium	mg/kg	N/A	396	J	~	271	J	~	160	J	~	34	J	~	201	J	~	439	J	~
Thallium	mg/kg	0.08	4	U		3.8	U		3.4	U		3.6	U		3.7	U		3.6	U	
Vanadium	mg/kg	39	**205**	J	A	**180**	J	A	**113**		A	**161**	J	A	**177**	J	A	**157**	J	A
Zinc	mg/kg	2300	120	J	#	818	J	#	26.1		#	45.5	J	#	1050	J	#	625	J	#
Additional Parameters																				
% GRANULE & LARGER >2 MM	%	N/A										0		~						
% VERY COURSE SAND >1 - 2 MM	%	N/A										1		~						
% COARSE SAND >.5 - 1 MM	%	N/A										2		~						
% MEDIUM SAND >.25 - .5 MM	%	N/A										4		~						
% FINE SAND >.125 - .25 MM	%	N/A										6		~						
% VERY FINE SAND >.0625 - .125 MM	%	N/A										5		~						
% SILT	%	N/A										63		~						
% CLAY & COLLOIDS	%	N/A										20		~						
pH	s.u.	N/A										6		~						
Total Organic Carbon	mg/Kg	N/A										740		~						

CCL Label - Soil Sample Results Full Table (Stage 1)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

	Sample Code	CCSB-09-C	CCSB-09-D	CCSB-10-A	CCSB-10-B	CCSB-10-C	CCSB-10-D
	Location	CCSB-09	CCSB-09	CCSB-10	CCSB-10	CCSB-10	CCSB-10
	Sample Date	11/6/2007	11/6/2007	11/12/2007	11/12/2007	11/12/2007	11/12/2007
	Depth	21 to 23 ft	71 to 73 ft	0 to 1 ft	5 to 7 ft	41 to 43 ft	62 to 64 ft

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Comparison Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

CCL Label - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-11-A			CCSB-11-B			CCSB-11-C			CCSB-11-D			CCSB-11-F			CCSB-11-G		
		Location	CCSB-11			CCSB-11			CCSB-11			CCSB-11			CCSB-11			CCSB-11		
		Sample Date	4/23/2010			4/23/2010			4/23/2010			4/23/2010			4/23/2010			4/23/2010		
		Depth	0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft			44 to 48 ft			56 to 60 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
Chloromethane	ug/Kg	980	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
Vinyl Chloride	ug/Kg	13.8	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
Bromomethane	ug/Kg	36	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
Chloroethane	ug/Kg	118000	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
Trichlorofluoromethane	ug/Kg	13800	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
1,1-Dichloroethene	ug/Kg	50	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
Acetone	ug/Kg	48000	12	U		12	U		250		#	16	U		15	U		15		#
Carbon Disulfide	ug/Kg	4200	6	U		5.8	U		11		#	7.8	U		7.5	U		6.6	U	
Methyl Acetate	ug/Kg	64000	6	U		5.8	U		3.3	J	#	7.8	U		7.5	U		6.6	U	
Methylene Chloride	ug/Kg	26	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
trans-1,2-Dichloroethene	ug/Kg	580	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
Methyl tert-Butyl Ether	ug/Kg	56	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
1,1-Dichloroethane	ug/Kg	13.6	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
cis-1,2-Dichloroethene	ug/Kg	420	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
2-Butanone	ug/Kg	20000	12	U		12	U		37		#	16	U		15	U		13	U	
Chlorobromomethane	ug/Kg	420	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
Chloroform	ug/Kg	290	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
1,1,1-Trichloroethane	ug/Kg	1400	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
Cyclohexane	ug/Kg	117000	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
Carbon Tetrachloride	ug/Kg	38	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
Benzene	ug/Kg	52	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
1,2-Dichloroethane	ug/Kg	28	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
1,4-Dioxane	ug/Kg	2.8	120	R		120	R		130	R		160	R		150	R		130	R	
Trichloroethene	ug/Kg	36	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	

CCL Label - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-11-A			CCSB-11-B			CCSB-11-C			CCSB-11-D			CCSB-11-F			CCSB-11-G		
		Location	CCSB-11			CCSB-11			CCSB-11			CCSB-11			CCSB-11			CCSB-11		
		Sample Date	4/23/2010			4/23/2010			4/23/2010			4/23/2010			4/23/2010			4/23/2010		
		Depth	0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft			44 to 48 ft			56 to 60 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
1,2-Dichloropropane	ug/Kg	34	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
Bromodichloromethane	ug/Kg	270	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
cis-1,3-Dichloropropene	ug/Kg	3	2.4	U		2.3	U		2.6	U		3.1	U		3	U		2.7	U	
4-Methyl-2-pentanone	ug/Kg	4600	12	U		12	U		13	U		16	U		15	U		13	U	
Toluene	ug/Kg	13800	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
trans-1,3-Dichloropropene	ug/Kg	3	2.4	U		2.3	U		2.6	U		3.1	U		3	U		2.7	U	
1,1,2-Trichloroethane	ug/Kg	32	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
Tetrachloroethene	ug/Kg	46	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
2-Hexanone	ug/Kg	158	12	U		12	U		13	U		16	U		15	U		13	U	
Dibromochloromethane	ug/Kg	420	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
1,2-Dibromoethane	ug/Kg	0.28	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
Chlorobenzene	ug/Kg	1360	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
Ethylbenzene	ug/Kg	5400	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
o-Xylene	ug/Kg	3800	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
m,p-Xylene	ug/Kg	3600	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
Styrene	ug/Kg	2200	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
Bromoform	ug/Kg	420	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
Isopropylbenzene	ug/Kg	12800	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	2.4	U		2.3	U		2.6	U		3.1	U		3	U		2.7	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
1,4-Dichlorobenzene	ug/Kg	1440	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
1,2-Dichlorobenzene	ug/Kg	11600	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
1,2,3-Trichlorobenzene	ug/Kg	300	6	U		5.8	U		6.4	U		7.8	U		7.5	U		6.6	U	
Additional Parameters																				
pH	s.u.	N/A				7.18		~				5.25		~						
Total Organic Carbon	mg/Kg	N/A				17660		~				2352		~						

Notes:
Highlight indicates exceedance

Q - Qualifier

CCL Label - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-11-A			CCSB-11-B			CCSB-11-C			CCSB-11-D			CCSB-11-F			CCSB-11-G		
		Location	CCSB-11			CCSB-11			CCSB-11			CCSB-11			CCSB-11			CCSB-11		
		Sample Date	4/23/2010			4/23/2010			4/23/2010			4/23/2010			4/23/2010			4/23/2010		
		Depth	0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft			44 to 48 ft			56 to 60 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

SC - Site Specific Screening Criteria
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

C - Comparison Flag

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

CCL Label - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
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		Sample Code	CCSB-12-A			CCSB-12-B			CCSB-12-C			CCSB-12-D			CCSB-12-E			CCSB-12-F			CCSB-13-A		
		Location	CCSB-12			CCSB-12			CCSB-12			CCSB-12			CCSB-12			CCSB-12			CCSB-13		
		Sample Date	4/23/2010			4/23/2010			4/23/2010			4/23/2010			4/23/2010			4/23/2010			4/26/2010		
		Depth	0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																							
Dichlorodifluoromethane	ug/Kg	6000	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
Chloromethane	ug/Kg	980	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
Vinyl Chloride	ug/Kg	13.8	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
Bromomethane	ug/Kg	36	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
Chloroethane	ug/Kg	118000	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
Trichlorofluoromethane	ug/Kg	13800	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
1,1-Dichloroethene	ug/Kg	50	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
Acetone	ug/Kg	48000	12	J	#	12	U		3.8	J	#	3.5	J	#	16	U		9.3	J	#	8.7	J	#
Carbon Disulfide	ug/Kg	4200	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
Methyl Acetate	ug/Kg	64000	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
Methylene Chloride	ug/Kg	26	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
trans-1,2-Dichloroethene	ug/Kg	580	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
Methyl tert-Butyl Ether	ug/Kg	56	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
1,1-Dichloroethane	ug/Kg	13.6	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
cis-1,2-Dichloroethene	ug/Kg	420	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
2-Butanone	ug/Kg	20000	12	U		12	U		10	U		11	U		16	U		15	U		12	U	
Chlorobromomethane	ug/Kg	420	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
Chloroform	ug/Kg	290	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
Cyclohexane	ug/Kg	117000	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
Carbon Tetrachloride	ug/Kg	38	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
Benzene	ug/Kg	52	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
1,2-Dichloroethane	ug/Kg	28	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
1,4-Dioxane	ug/Kg	2.8	120	R		120	R		100	R		110	R		160	R		150	R		120	R	
Trichloroethene	ug/Kg	36	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	

CCL Label - Soil Sample Results Full Table (Stage 2)
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		Sample Code	CCSB-12-A			CCSB-12-B			CCSB-12-C			CCSB-12-D			CCSB-12-E			CCSB-12-F			CCSB-13-A		
		Location	CCSB-12			CCSB-12			CCSB-12			CCSB-12			CCSB-12			CCSB-12			CCSB-13		
		Sample Date	4/23/2010			4/23/2010			4/23/2010			4/23/2010			4/23/2010			4/23/2010			4/26/2010		
		Depth	0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
1,2-Dichloropropane	ug/Kg	34	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
Bromodichloromethane	ug/Kg	270	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
cis-1,3-Dichloropropene	ug/Kg	3	2.5	U		2.5	U		2.1	U		2.2	U		3.2	U		3	U		2.5	U	
4-Methyl-2-pentanone	ug/Kg	4600	12	U		12	U		10	U		11	U		16	U		15	U		12	U	
Toluene	ug/Kg	13800	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
trans-1,3-Dichloropropene	ug/Kg	3	2.5	U		2.5	U		2.1	U		2.2	U		3.2	U		3	U		2.5	U	
1,1,2-Trichloroethane	ug/Kg	32	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
Tetrachloroethene	ug/Kg	46	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
2-Hexanone	ug/Kg	158	12	U		12	U		10	U		11	U		16	U		15	U		12	U	
Dibromochloromethane	ug/Kg	420	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
1,2-Dibromoethane	ug/Kg	0.28	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
Chlorobenzene	ug/Kg	1360	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
Ethylbenzene	ug/Kg	5400	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
o-Xylene	ug/Kg	3800	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
m,p-Xylene	ug/Kg	3600	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
Styrene	ug/Kg	2200	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
Bromoform	ug/Kg	420	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
Isopropylbenzene	ug/Kg	12800	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	2.5	U		2.5	U		2.1	U		2.2	U		3.2	U		3	U		2.5	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
1,4-Dichlorobenzene	ug/Kg	1440	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
1,2-Dichlorobenzene	ug/Kg	11600	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
1,2,3-Trichlorobenzene	ug/Kg	300	6.2	U		6.2	U		5.2	U		5.6	U		7.9	U		7.5	U		6.2	U	
Additional Parameters																							
pH	s.u.	N/A							6		~							7.33		~			
Total Organic Carbon	mg/Kg	N/A							15980		~							2402		~			

Notes:
Highlight indicates exceedance

Q - Qualifier

CCL Label - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-12-A			CCSB-12-B			CCSB-12-C			CCSB-12-D			CCSB-12-E			CCSB-12-F			CCSB-13-A		
		Location	CCSB-12			CCSB-12			CCSB-12			CCSB-12			CCSB-12			CCSB-12			CCSB-13		
		Sample Date	4/23/2010			4/23/2010			4/23/2010			4/23/2010			4/23/2010			4/23/2010			4/26/2010		
		Depth	0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

SC - Site Specific Screening Criteria
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

C - Comparison Flag

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

CCL Label - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-13-B			CCSB-13-C			CCSB-13-D			CCSB-13-E			CCSB-13-F			CCSB-14-A			CCSB-14-B		
		Location	CCSB-13			CCSB-13			CCSB-13			CCSB-13			CCSB-13			CCSB-14			CCSB-14		
		Sample Date	4/26/2010			4/26/2010			4/26/2010			4/26/2010			4/26/2010			4/26/2010			4/26/2010		
		Depth	4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																							
Dichlorodifluoromethane	ug/Kg	6000	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
Chloromethane	ug/Kg	980	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
Vinyl Chloride	ug/Kg	13.8	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
Bromomethane	ug/Kg	36	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
Chloroethane	ug/Kg	118000	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
Trichlorofluoromethane	ug/Kg	13800	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
1,1-Dichloroethene	ug/Kg	50	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
Acetone	ug/Kg	48000	12	U		24		#	14	U		13	U		12	U		13	U		14	U	
Carbon Disulfide	ug/Kg	4200	5.8	U		0.44	J	#	7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
Methyl Acetate	ug/Kg	64000	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
Methylene Chloride	ug/Kg	26	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
trans-1,2-Dichloroethene	ug/Kg	580	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
Methyl tert-Butyl Ether	ug/Kg	56	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
1,1-Dichloroethane	ug/Kg	13.6	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
cis-1,2-Dichloroethene	ug/Kg	420	5.8	U		5.3	U		7.2	U		1.1	J	#	11		#	6.4	U		7.1	U	
2-Butanone	ug/Kg	20000	12	U		11	U		14	U		13	U		12	U		13	U		14	U	
Chlorobromomethane	ug/Kg	420	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
Chloroform	ug/Kg	290	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
1,1,1-Trichloroethane	ug/Kg	1400	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
Cyclohexane	ug/Kg	117000	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
Carbon Tetrachloride	ug/Kg	38	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
Benzene	ug/Kg	52	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
1,2-Dichloroethane	ug/Kg	28	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
1,4-Dioxane	ug/Kg	2.8	120	R		110	R		140	R		130	R		120	R		130	R		140	R	
Trichloroethene	ug/Kg	36	5.8	U		5.3	U		7.2	U		6.6	U		1.5	J	#	6.4	U		7.1	U	

CCL Label - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-13-B			CCSB-13-C			CCSB-13-D			CCSB-13-E			CCSB-13-F			CCSB-14-A			CCSB-14-B		
		Location	CCSB-13			CCSB-13			CCSB-13			CCSB-13			CCSB-13			CCSB-14			CCSB-14		
		Sample Date	4/26/2010			4/26/2010			4/26/2010			4/26/2010			4/26/2010			4/26/2010			4/26/2010		
		Depth	4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
1,2-Dichloropropane	ug/Kg	34	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
Bromodichloromethane	ug/Kg	270	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
cis-1,3-Dichloropropene	ug/Kg	3	2.3	U		2.1	U		2.9	U		2.6	U		2.3	U		2.5	U		2.8	U	
4-Methyl-2-pentanone	ug/Kg	4600	12	U		11	U		14	U		13	U		12	U		13	U		14	U	
Toluene	ug/Kg	13800	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
trans-1,3-Dichloropropene	ug/Kg	3	2.3	U		2.1	U		2.9	U		2.6	U		2.3	U		2.5	U		2.8	U	
1,1,2-Trichloroethane	ug/Kg	32	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
Tetrachloroethene	ug/Kg	46	5.8	U		5.3	U		7.2	U		1.2	J	#	6.1		#	6.4	U		7.1	U	
2-Hexanone	ug/Kg	158	12	U		11	U		14	U		13	U		12	U		13	U		14	U	
Dibromochloromethane	ug/Kg	420	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
1,2-Dibromoethane	ug/Kg	0.28	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
Chlorobenzene	ug/Kg	1360	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
Ethylbenzene	ug/Kg	5400	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
o-Xylene	ug/Kg	3800	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
m,p-Xylene	ug/Kg	3600	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
Styrene	ug/Kg	2200	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
Bromoform	ug/Kg	420	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
Isopropylbenzene	ug/Kg	12800	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	2.3	U		2.1	U		2.9	U		2.6	U		2.3	U		2.5	U		2.8	U	
1,3-Dichlorobenzene	ug/Kg	N/A	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
1,4-Dichlorobenzene	ug/Kg	1440	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
1,2-Dichlorobenzene	ug/Kg	11600	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
1,2,3-Trichlorobenzene	ug/Kg	300	5.8	U		5.3	U		7.2	U		6.6	U		5.8	U		6.4	U		7.1	U	
Additional Parameters																							
pH	s.u.	N/A	6.27		~										5.62		~						
Total Organic Carbon	mg/Kg	N/A	2475		~										5316		~						

Notes:
Highlight indicates exceedance

Q - Qualifier

CCL Label - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-13-B			CCSB-13-C			CCSB-13-D			CCSB-13-E			CCSB-13-F			CCSB-14-A			CCSB-14-B		
		Location	CCSB-13			CCSB-13			CCSB-13			CCSB-13			CCSB-13			CCSB-14			CCSB-14		
		Sample Date	4/26/2010			4/26/2010			4/26/2010			4/26/2010			4/26/2010			4/26/2010			4/26/2010		
		Depth	4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

SC - Site Specific Screening Criteria
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

C - Comparison Flag

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

CCL Label - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-14-C			CCSB-14-D			CCSB-14-E			CCSB-14-F			CCSB-14-G			CCSB-15-A			CCSB-15-B		
		Location	CCSB-14			CCSB-14			CCSB-14			CCSB-14			CCSB-14			CCSB-15			CCSB-15		
		Sample Date	4/26/2010			4/26/2010			4/26/2010			4/26/2010			4/26/2010			4/27/2010			4/27/2010		
		Depth	8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																							
Dichlorodifluoromethane	ug/Kg	6000	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
Chloromethane	ug/Kg	980	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
Vinyl Chloride	ug/Kg	13.8	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
Bromomethane	ug/Kg	36	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
Chloroethane	ug/Kg	118000	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
Trichlorofluoromethane	ug/Kg	13800	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
1,1-Dichloroethene	ug/Kg	50	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
Acetone	ug/Kg	48000	7.7	J	#	14	U		14	U		15	U		11	U		13	U		14	U	
Carbon Disulfide	ug/Kg	4200	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
Methyl Acetate	ug/Kg	64000	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
Methylene Chloride	ug/Kg	26	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
trans-1,2-Dichloroethene	ug/Kg	580	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
Methyl tert-Butyl Ether	ug/Kg	56	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
1,1-Dichloroethane	ug/Kg	13.6	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
cis-1,2-Dichloroethene	ug/Kg	420	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
2-Butanone	ug/Kg	20000	14	U		14	U		14	U		15	U		11	U		13	U		14	U	
Chlorobromomethane	ug/Kg	420	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
Chloroform	ug/Kg	290	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
Cyclohexane	ug/Kg	117000	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
Carbon Tetrachloride	ug/Kg	38	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
Benzene	ug/Kg	52	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
1,2-Dichloroethane	ug/Kg	28	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
1,4-Dioxane	ug/Kg	2.8	140	R		140	R		140	R		150	R		110	R		130	R		140	R	
Trichloroethene	ug/Kg	36	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	

CCL Label - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-14-C			CCSB-14-D			CCSB-14-E			CCSB-14-F			CCSB-14-G			CCSB-15-A			CCSB-15-B		
		Location	CCSB-14			CCSB-14			CCSB-14			CCSB-14			CCSB-14			CCSB-15			CCSB-15		
		Sample Date	4/26/2010			4/26/2010			4/26/2010			4/26/2010			4/26/2010			4/27/2010			4/27/2010		
		Depth	8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
1,2-Dichloropropane	ug/Kg	34	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
Bromodichloromethane	ug/Kg	270	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
cis-1,3-Dichloropropene	ug/Kg	3	2.7	U		2.7	U		2.8	U		3	U		2.2	U		2.5	U		2.9	U	
4-Methyl-2-pentanone	ug/Kg	4600	14	U		14	U		14	U		15	U		11	U		13	U		14	U	
Toluene	ug/Kg	13800	49		#	6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
trans-1,3-Dichloropropene	ug/Kg	3	2.7	U		2.7	U		2.8	U		3	U		2.2	U		2.5	U		2.9	U	
1,1,2-Trichloroethane	ug/Kg	32	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
Tetrachloroethene	ug/Kg	46	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
2-Hexanone	ug/Kg	158	14	U		14	U		14	U		15	U		11	U		13	U		14	U	
Dibromochloromethane	ug/Kg	420	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
1,2-Dibromoethane	ug/Kg	0.28	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
Chlorobenzene	ug/Kg	1360	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
Ethylbenzene	ug/Kg	5400	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
o-Xylene	ug/Kg	3800	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
m,p-Xylene	ug/Kg	3600	1.3	J	#	6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
Styrene	ug/Kg	2200	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
Bromoform	ug/Kg	420	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
Isopropylbenzene	ug/Kg	12800	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	2.7	U		2.7	U		2.8	U		3	U		2.2	U		2.5	U		2.9	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
1,4-Dichlorobenzene	ug/Kg	1440	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
1,2-Dichlorobenzene	ug/Kg	11600	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
1,2,3-Trichlorobenzene	ug/Kg	300	6.8	U		6.8	U		6.9	U		7.4	U		5.4	U		6.3	U		7.2	U	
Additional Parameters																							
pH	s.u.	N/A	5.72		~							5.21		~							5.68		~
Total Organic Carbon	mg/Kg	N/A	3348		~							3322		~							3946		~

Notes:
Highlight indicates exceedance

Q - Qualifier

CCL Label - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-14-C			CCSB-14-D			CCSB-14-E			CCSB-14-F			CCSB-14-G			CCSB-15-A			CCSB-15-B		
		Location	CCSB-14			CCSB-14			CCSB-14			CCSB-14			CCSB-14			CCSB-15			CCSB-15		
		Sample Date	4/26/2010			4/26/2010			4/26/2010			4/26/2010			4/26/2010			4/27/2010			4/27/2010		
		Depth	8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
SC - Site Specific Screening Criteria		C - Comparison Flag																					
ug/kg - microgram per kilogram																							
mg/kg - milligram per kilogram																							
mm - millimeter																							
U - non-detect																							
J - estimated value																							
R - rejected data																							
N/A - not applicable																							
PCB - Polychlorinated Biphenyl																							

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

CCL Label - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-15-C			CCSB-15-D			CCSB-15-E			CCSB-15-F			CCSB-15-G			CCSB-15-H			CCSB-16-A		
		Location	CCSB-15			CCSB-15			CCSB-15			CCSB-15			CCSB-15			CCSB-15			CCSB-16		
		Sample Date	4/27/2010			4/27/2010			4/27/2010			4/27/2010			4/27/2010			4/27/2010			4/27/2010		
		Depth	8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			68 to 72 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																							
Dichlorodifluoromethane	ug/Kg	6000	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
Chloromethane	ug/Kg	980	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
Vinyl Chloride	ug/Kg	13.8	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
Bromomethane	ug/Kg	36	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
Chloroethane	ug/Kg	118000	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
Trichlorofluoromethane	ug/Kg	13800	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
1,1-Dichloroethene	ug/Kg	50	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
Acetone	ug/Kg	48000	5.4	J	#	15	U		17	U		15	U		16	U		14	U		14	U	
Carbon Disulfide	ug/Kg	4200	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
Methyl Acetate	ug/Kg	64000	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
Methylene Chloride	ug/Kg	26	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
trans-1,2-Dichloroethene	ug/Kg	580	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
Methyl tert-Butyl Ether	ug/Kg	56	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
1,1-Dichloroethane	ug/Kg	13.6	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
cis-1,2-Dichloroethene	ug/Kg	420	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
2-Butanone	ug/Kg	20000	15	U		15	U		17	U		15	U		16	U		14	U		14	U	
Chlorobromomethane	ug/Kg	420	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
Chloroform	ug/Kg	290	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
1,1,1-Trichloroethane	ug/Kg	1400	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
Cyclohexane	ug/Kg	117000	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
Carbon Tetrachloride	ug/Kg	38	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
Benzene	ug/Kg	52	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
1,2-Dichloroethane	ug/Kg	28	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
1,4-Dioxane	ug/Kg	2.8	150	R		150	R		170	R		150	R		160	R		140	R		140	R	
Trichloroethene	ug/Kg	36	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	

CCL Label - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-15-C			CCSB-15-D			CCSB-15-E			CCSB-15-F			CCSB-15-G			CCSB-15-H			CCSB-16-A		
		Location	CCSB-15			CCSB-15			CCSB-15			CCSB-15			CCSB-15			CCSB-15			CCSB-16		
		Sample Date	4/27/2010			4/27/2010			4/27/2010			4/27/2010			4/27/2010			4/27/2010			4/27/2010		
		Depth	8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			68 to 72 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
1,2-Dichloropropane	ug/Kg	34	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
Bromodichloromethane	ug/Kg	270	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
cis-1,3-Dichloropropene	ug/Kg	3	3.1	U		3	U		3.3	U		3.1	U		3.2	U		2.8	U		2.9	U	
4-Methyl-2-pentanone	ug/Kg	4600	15	U		15	U		17	U		15	U		16	U		14	U		14	U	
Toluene	ug/Kg	13800	87		#	7.4	U		8.3	U		7.7	U		7.9	U		7	U		14		#
trans-1,3-Dichloropropene	ug/Kg	3	3.1	U		3	U		3.3	U		3.1	U		3.2	U		2.8	U		2.9	U	
1,1,2-Trichloroethane	ug/Kg	32	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
Tetrachloroethene	ug/Kg	46	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
2-Hexanone	ug/Kg	158	15	U		15	U		17	U		15	U		16	U		14	U		14	U	
Dibromochloromethane	ug/Kg	420	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
1,2-Dibromoethane	ug/Kg	0.28	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
Chlorobenzene	ug/Kg	1360	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
Ethylbenzene	ug/Kg	5400	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
o-Xylene	ug/Kg	3800	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
m,p-Xylene	ug/Kg	3600	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
Styrene	ug/Kg	2200	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
Bromoform	ug/Kg	420	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
Isopropylbenzene	ug/Kg	12800	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	3.1	U		3	U		3.3	U		3.1	U		3.2	U		2.8	U		2.9	U	
1,3-Dichlorobenzene	ug/Kg	N/A	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
1,4-Dichlorobenzene	ug/Kg	1440	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
1,2-Dichlorobenzene	ug/Kg	11600	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
1,2,3-Trichlorobenzene	ug/Kg	300	7.7	U		7.4	U		8.3	U		7.7	U		7.9	U		7	U		7.1	U	
Additional Parameters																							
pH	s.u.	N/A										5.21		~									
Total Organic Carbon	mg/Kg	N/A										3673		~									

Notes:
Highlight indicates exceedance

Q - Qualifier

CCL Label - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-15-C			CCSB-15-D			CCSB-15-E			CCSB-15-F			CCSB-15-G			CCSB-15-H			CCSB-16-A		
		Location	CCSB-15			CCSB-15			CCSB-15			CCSB-15			CCSB-15			CCSB-15			CCSB-16		
		Sample Date	4/27/2010			4/27/2010			4/27/2010			4/27/2010			4/27/2010			4/27/2010			4/27/2010		
		Depth	8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			68 to 72 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

SC - Site Specific Screening Criteria
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

C - Comparison Flag

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

CCL Label - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-16-B			CCSB-16-C			CCSB-16-D			CCSB-16-E			CCSB-16-F			CCSB-16-G			CCSB-16-H		
		Location	CCSB-16			CCSB-16			CCSB-16			CCSB-16			CCSB-16			CCSB-16			CCSB-16		
		Sample Date	4/27/2010			4/27/2010			4/27/2010			4/27/2010			4/27/2010			4/27/2010			4/27/2010		
		Depth	4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			68 to 72 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																							
Dichlorodifluoromethane	ug/Kg	6000	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
Chloromethane	ug/Kg	980	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
Vinyl Chloride	ug/Kg	13.8	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
Bromomethane	ug/Kg	36	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
Chloroethane	ug/Kg	118000	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
Trichlorofluoromethane	ug/Kg	13800	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
1,1-Dichloroethene	ug/Kg	50	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
Acetone	ug/Kg	48000	9.3	J	#	16	J	#	9.7	J	#	16	U		14	U		13	U		13	U	
Carbon Disulfide	ug/Kg	4200	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
Methyl Acetate	ug/Kg	64000	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
Methylene Chloride	ug/Kg	26	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
trans-1,2-Dichloroethene	ug/Kg	580	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
Methyl tert-Butyl Ether	ug/Kg	56	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
1,1-Dichloroethane	ug/Kg	13.6	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
cis-1,2-Dichloroethene	ug/Kg	420	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		9.8		#
2-Butanone	ug/Kg	20000	14	U		17	U		17	U		16	U		14	U		13	U		13	U	
Chlorobromomethane	ug/Kg	420	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
Chloroform	ug/Kg	290	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
Cyclohexane	ug/Kg	117000	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
Carbon Tetrachloride	ug/Kg	38	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
Benzene	ug/Kg	52	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
1,2-Dichloroethane	ug/Kg	28	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
1,4-Dioxane	ug/Kg	2.8	140	R		170	R		170	R		160	R		140	R		130	R		130	R	
Trichloroethene	ug/Kg	36	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		5.9	J	#

CCL Label - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-16-B			CCSB-16-C			CCSB-16-D			CCSB-16-E			CCSB-16-F			CCSB-16-G			CCSB-16-H		
		Location	CCSB-16			CCSB-16			CCSB-16			CCSB-16			CCSB-16			CCSB-16			CCSB-16		
		Sample Date	4/27/2010			4/27/2010			4/27/2010			4/27/2010			4/27/2010			4/27/2010			4/27/2010		
		Depth	4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			68 to 72 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
1,2-Dichloropropane	ug/Kg	34	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
Bromodichloromethane	ug/Kg	270	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
cis-1,3-Dichloropropene	ug/Kg	3	2.7	U		3.4	U		3.4	U		3.1	U		2.9	U		2.6	U		2.6	U	
4-Methyl-2-pentanone	ug/Kg	4600	14	U		17	U		17	U		16	U		14	U		13	U		13	U	
Toluene	ug/Kg	13800	64		#	33		#	190		#	7.8	U		7.2	U		6.4	U		6.4	U	
trans-1,3-Dichloropropene	ug/Kg	3	2.7	U		3.4	U		3.4	U		3.1	U		2.9	U		2.6	U		2.6	U	
1,1,2-Trichloroethane	ug/Kg	32	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
Tetrachloroethene	ug/Kg	46	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		32		#
2-Hexanone	ug/Kg	158	14	U		17	U		17	U		16	U		14	U		13	U		13	U	
Dibromochloromethane	ug/Kg	420	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
1,2-Dibromoethane	ug/Kg	0.28	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
Chlorobenzene	ug/Kg	1360	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
Ethylbenzene	ug/Kg	5400	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
o-Xylene	ug/Kg	3800	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
m,p-Xylene	ug/Kg	3600	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
Styrene	ug/Kg	2200	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
Bromoform	ug/Kg	420	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
Isopropylbenzene	ug/Kg	12800	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	2.7	U		3.4	U		3.4	U		3.1	U		2.9	U		2.6	U		2.6	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
1,4-Dichlorobenzene	ug/Kg	1440	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
1,2-Dichlorobenzene	ug/Kg	11600	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
1,2,3-Trichlorobenzene	ug/Kg	300	6.9	U		8.4	U		8.4	U		7.8	U		7.2	U		6.4	U		6.4	U	
Additional Parameters																							
pH	s.u.	N/A	5.29		~										5.6		~						
Total Organic Carbon	mg/Kg	N/A	5087		~										2027		~						

Notes:
Highlight indicates exceedance

Q - Qualifier

CCL Label - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-16-B			CCSB-16-C			CCSB-16-D			CCSB-16-E			CCSB-16-F			CCSB-16-G			CCSB-16-H		
		Location	CCSB-16			CCSB-16			CCSB-16			CCSB-16			CCSB-16			CCSB-16			CCSB-16		
		Sample Date	4/27/2010			4/27/2010			4/27/2010			4/27/2010			4/27/2010			4/27/2010			4/27/2010		
		Depth	4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			68 to 72 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

SC - Site Specific Screening Criteria
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

C - Comparison Flag

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

CCL Label - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-17-A			CCSB-17-B			CCSB-17-C			CCSB-17-D			CCSB-17-E			CCSB-17-F			CCSB-17-G		
		Location	CCSB-17			CCSB-17			CCSB-17			CCSB-17			CCSB-17			CCSB-17			CCSB-17		
		Sample Date	4/28/2010			4/28/2010			4/28/2010			4/28/2010			4/28/2010			4/28/2010			4/28/2010		
		Depth	0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																							
Dichlorodifluoromethane	ug/Kg	6000	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
Chloromethane	ug/Kg	980	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
Vinyl Chloride	ug/Kg	13.8	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
Bromomethane	ug/Kg	36	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
Chloroethane	ug/Kg	118000	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
Trichlorofluoromethane	ug/Kg	13800	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
1,1-Dichloroethene	ug/Kg	50	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
Acetone	ug/Kg	48000	45		#	8.5	J	#	15		#	11	J	#	14	U		4.7	J	#	15	U	
Carbon Disulfide	ug/Kg	4200	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
Methyl Acetate	ug/Kg	64000	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
Methylene Chloride	ug/Kg	26	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
trans-1,2-Dichloroethene	ug/Kg	580	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
Methyl tert-Butyl Ether	ug/Kg	56	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
1,1-Dichloroethane	ug/Kg	13.6	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
cis-1,2-Dichloroethene	ug/Kg	420	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
2-Butanone	ug/Kg	20000	3.3	J	#	13	U		14	U		17	U		14	U		15	U		15	U	
Chlorobromomethane	ug/Kg	420	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
Chloroform	ug/Kg	290	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
Cyclohexane	ug/Kg	117000	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
Carbon Tetrachloride	ug/Kg	38	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
Benzene	ug/Kg	52	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
1,2-Dichloroethane	ug/Kg	28	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
1,4-Dioxane	ug/Kg	2.8	120	R		130	R		140	R		170	R		140	R		150	R		150	R	
Trichloroethene	ug/Kg	36	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	

CCL Label - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-17-A			CCSB-17-B			CCSB-17-C			CCSB-17-D			CCSB-17-E			CCSB-17-F			CCSB-17-G		
		Location	CCSB-17			CCSB-17			CCSB-17			CCSB-17			CCSB-17			CCSB-17			CCSB-17		
		Sample Date	4/28/2010			4/28/2010			4/28/2010			4/28/2010			4/28/2010			4/28/2010			4/28/2010		
		Depth	0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
1,2-Dichloropropane	ug/Kg	34	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
Bromodichloromethane	ug/Kg	270	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
cis-1,3-Dichloropropene	ug/Kg	3	2.5	U		2.7	U		2.9	U		3.3	U		2.8	U		3.1	U		2.9	U	
4-Methyl-2-pentanone	ug/Kg	4600	12	U		13	U		14	U		17	U		14	U		15	U		15	U	
Toluene	ug/Kg	13800	150	J	#	180		#	240		#	120		#	7.1	U		7.6	U		7.3	U	
trans-1,3-Dichloropropene	ug/Kg	3	2.5	U		2.7	U		2.9	U		3.3	U		2.8	U		3.1	U		2.9	U	
1,1,2-Trichloroethane	ug/Kg	32	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
Tetrachloroethene	ug/Kg	46	6.2	U		6.7	U		0.61	J	#	0.95	J	#	7.1	U		7.6	U		7.3	U	
2-Hexanone	ug/Kg	158	12	U		13	U		14	U		17	U		14	U		15	U		15	U	
Dibromochloromethane	ug/Kg	420	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
1,2-Dibromoethane	ug/Kg	0.28	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
Chlorobenzene	ug/Kg	1360	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
Ethylbenzene	ug/Kg	5400	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
o-Xylene	ug/Kg	3800	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
m,p-Xylene	ug/Kg	3600	6.2	U		6.7	U		1.1	J	#	1.2	J	#	7.1	U		7.6	U		7.3	U	
Styrene	ug/Kg	2200	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
Bromoform	ug/Kg	420	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
Isopropylbenzene	ug/Kg	12800	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	2.5	U		2.7	U		2.9	U		3.3	U		2.8	U		3.1	U		2.9	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
1,4-Dichlorobenzene	ug/Kg	1440	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
1,2-Dichlorobenzene	ug/Kg	11600	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
1,2,3-Trichlorobenzene	ug/Kg	300	6.2	U		6.7	U		7.2	U		8.3	U		7.1	U		7.6	U		7.3	U	
Additional Parameters																							
pH	s.u.	N/A				5.62		~							5.38		~						
Total Organic Carbon	mg/Kg	N/A				3530		~							2462		~						

Notes:
Highlight indicates exceedance

Q - Qualifier

CCL Label - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-17-A			CCSB-17-B			CCSB-17-C			CCSB-17-D			CCSB-17-E			CCSB-17-F			CCSB-17-G		
		Location	CCSB-17			CCSB-17			CCSB-17			CCSB-17			CCSB-17			CCSB-17			CCSB-17		
		Sample Date	4/28/2010			4/28/2010			4/28/2010			4/28/2010			4/28/2010			4/28/2010			4/28/2010		
		Depth	0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

SC - Site Specific Screening Criteria
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

C - Comparisor
Flag

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

CCL Label - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-17-H			CCSB-18-A			CCSB-18-B			CCSB-18-C			CCSB-18-D			CCSB-18-E			CCSB-18-F		
		Location	CCSB-17			CCSB-18			CCSB-18			CCSB-18			CCSB-18			CCSB-18			CCSB-18		
		Sample Date	4/28/2010			4/28/2010			4/28/2010			4/28/2010			4/28/2010			4/28/2010			4/28/2010		
		Depth	68 to 72 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																							
Dichlorodifluoromethane	ug/Kg	6000	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
Chloromethane	ug/Kg	980	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
Vinyl Chloride	ug/Kg	13.8	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
Bromomethane	ug/Kg	36	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
Chloroethane	ug/Kg	118000	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
Trichlorofluoromethane	ug/Kg	13800	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
1,1-Dichloroethene	ug/Kg	50	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
Acetone	ug/Kg	48000	13	U		24		#	20		#	220		#	35		#	17	U		13	U	
Carbon Disulfide	ug/Kg	4200	6.7	U		6.6	U		5.8	U		5.1	J	#	7.3	U		8.3	U		6.7	U	
Methyl Acetate	ug/Kg	64000	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
Methylene Chloride	ug/Kg	26	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
trans-1,2-Dichloroethene	ug/Kg	580	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
Methyl tert-Butyl Ether	ug/Kg	56	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
1,1-Dichloroethane	ug/Kg	13.6	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
cis-1,2-Dichloroethene	ug/Kg	420	6.7	U		6.6	U		0.56	J	#	6.9	U		2.1	J	#	3.8	J	#	81		#
2-Butanone	ug/Kg	20000	13	U		13	U		12	U		25		#	15	U		17	U		13	U	
Chlorobromomethane	ug/Kg	420	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
Chloroform	ug/Kg	290	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
Cyclohexane	ug/Kg	117000	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
Carbon Tetrachloride	ug/Kg	38	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
Benzene	ug/Kg	52	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
1,2-Dichloroethane	ug/Kg	28	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
1,4-Dioxane	ug/Kg	2.8	130	R		130	R		120	R		140	R		150	R		170	R		130	R	
Trichloroethene	ug/Kg	36	6.7	U		6.6	U		3.4	J	#	6.9	U		7.3	U		0.67	J	#	8.2		#

CCL Label - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-17-H			CCSB-18-A			CCSB-18-B			CCSB-18-C			CCSB-18-D			CCSB-18-E			CCSB-18-F		
		Location	CCSB-17			CCSB-18			CCSB-18			CCSB-18			CCSB-18			CCSB-18			CCSB-18		
		Sample Date	4/28/2010			4/28/2010			4/28/2010			4/28/2010			4/28/2010			4/28/2010			4/28/2010		
		Depth	68 to 72 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
1,2-Dichloropropane	ug/Kg	34	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
Bromodichloromethane	ug/Kg	270	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
cis-1,3-Dichloropropene	ug/Kg	3	2.7	U		2.6	U		2.3	U		2.8	U		2.9	U		3.3	U		2.7	U	
4-Methyl-2-pentanone	ug/Kg	4600	13	U		13	U		12	U		14	U		15	U		17	U		13	U	
Toluene	ug/Kg	13800	6.7	U		200		#	76		#	130		#	210		#	8.3	U		6.7	U	
trans-1,3-Dichloropropene	ug/Kg	3	2.7	U		2.6	U		2.3	U		2.8	U		2.9	U		3.3	U		2.7	U	
1,1,2-Trichloroethane	ug/Kg	32	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
Tetrachloroethene	ug/Kg	46	6.7	U		6.6	U		8		#	6.9	U		2.6	J	#	2.4	J	#	23		#
2-Hexanone	ug/Kg	158	13	U		13	U		12	U		14	U		15	U		17	U		13	U	
Dibromochloromethane	ug/Kg	420	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
1,2-Dibromoethane	ug/Kg	0.28	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
Chlorobenzene	ug/Kg	1360	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
Ethylbenzene	ug/Kg	5400	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
o-Xylene	ug/Kg	3800	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
m,p-Xylene	ug/Kg	3600	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
Styrene	ug/Kg	2200	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
Bromoform	ug/Kg	420	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
Isopropylbenzene	ug/Kg	12800	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	2.7	U		2.6	U		2.3	U		2.8	U		2.9	U		3.3	U		2.7	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
1,4-Dichlorobenzene	ug/Kg	1440	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
1,2-Dichlorobenzene	ug/Kg	11600	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
1,2,3-Trichlorobenzene	ug/Kg	300	6.7	U		6.6	U		5.8	U		6.9	U		7.3	U		8.3	U		6.7	U	
Additional Parameters																							
pH	s.u.	N/A							7.11		~				5.09		~						
Total Organic Carbon	mg/Kg	N/A							2861		~				10880		~						

Notes:
Highlight indicates exceedance

Q - Qualifier

CCL Label - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-17-H			CCSB-18-A			CCSB-18-B			CCSB-18-C			CCSB-18-D			CCSB-18-E			CCSB-18-F		
		Location	CCSB-17			CCSB-18			CCSB-18			CCSB-18			CCSB-18			CCSB-18			CCSB-18		
		Sample Date	4/28/2010			4/28/2010			4/28/2010			4/28/2010			4/28/2010			4/28/2010			4/28/2010		
		Depth	68 to 72 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

SC - Site Specific Screening Criteria
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

C - Comparison Flag

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

CCL Label - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-18-G			CCSB-18-H		
		Location	CCSB-18			CCSB-18		
		Sample Date	4/28/2010			4/28/2010		
		Depth	56 to 60 ft			68 to 72 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C
Volatile Organic Compounds								
Dichlorodifluoromethane	ug/Kg	6000	6.8	U		6	U	
Chloromethane	ug/Kg	980	6.8	U		6	U	
Vinyl Chloride	ug/Kg	13.8	6.8	U		6	U	
Bromomethane	ug/Kg	36	6.8	U		6	U	
Chloroethane	ug/Kg	118000	6.8	U		6	U	
Trichlorofluoromethane	ug/Kg	13800	6.8	U		6	U	
1,1-Dichloroethene	ug/Kg	50	6.8	U		6	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.8	U		6	U	
Acetone	ug/Kg	48000	14	U		12	U	
Carbon Disulfide	ug/Kg	4200	6.8	U		6	U	
Methyl Acetate	ug/Kg	64000	6.8	U		6	U	
Methylene Chloride	ug/Kg	26	6.8	U		6	U	
trans-1,2-Dichloroethene	ug/Kg	580	6.8	U		6	U	
Methyl tert-Butyl Ether	ug/Kg	56	6.8	U		6	U	
1,1-Dichloroethane	ug/Kg	13.6	6.8	U		6	U	
cis-1,2-Dichloroethene	ug/Kg	420	53		#	180		#
2-Butanone	ug/Kg	20000	14	U		12	U	
Chlorobromomethane	ug/Kg	420	6.8	U		6	U	
Chloroform	ug/Kg	290	6.8	U		6	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.8	U		6	U	
Cyclohexane	ug/Kg	117000	6.8	U		6	U	
Carbon Tetrachloride	ug/Kg	38	6.8	U		6	U	
Benzene	ug/Kg	52	6.8	U		6	U	
1,2-Dichloroethane	ug/Kg	28	6.8	U		6	U	
1,4-Dioxane	ug/Kg	2.8	140	R		120	R	
Trichloroethene	ug/Kg	36	5.6	J	#	20		#

CCL Label - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-18-G			CCSB-18-H		
		Location	CCSB-18			CCSB-18		
		Sample Date	4/28/2010			4/28/2010		
		Depth	56 to 60 ft			68 to 72 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	6.8	U		6	U	
1,2-Dichloropropane	ug/Kg	34	6.8	U		6	U	
Bromodichloromethane	ug/Kg	270	6.8	U		6	U	
cis-1,3-Dichloropropene	ug/Kg	3	2.7	U		2.4	U	
4-Methyl-2-pentanone	ug/Kg	4600	14	U		12	U	
Toluene	ug/Kg	13800	6.8	U		6	U	
trans-1,3-Dichloropropene	ug/Kg	3	2.7	U		2.4	U	
1,1,2-Trichloroethane	ug/Kg	32	6.8	U		6	U	
Tetrachloroethene	ug/Kg	46	19		#	**60**		A
2-Hexanone	ug/Kg	158	14	U		12	U	
Dibromochloromethane	ug/Kg	420	6.8	U		6	U	
1,2-Dibromoethane	ug/Kg	0.28	6.8	U		6	U	
Chlorobenzene	ug/Kg	1360	6.8	U		6	U	
Ethylbenzene	ug/Kg	5400	6.8	U		6	U	
o-Xylene	ug/Kg	3800	6.8	U		6	U	
m,p-Xylene	ug/Kg	3600	6.8	U		6	U	
Styrene	ug/Kg	2200	6.8	U		6	U	
Bromoform	ug/Kg	420	6.8	U		6	U	
Isopropylbenzene	ug/Kg	12800	6.8	U		6	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	2.7	U		2.4	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.8	U		6	U	
1,4-Dichlorobenzene	ug/Kg	1440	6.8	U		6	U	
1,2-Dichlorobenzene	ug/Kg	11600	6.8	U		6	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.8	U		6	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.8	U		6	U	
1,2,3-Trichlorobenzene	ug/Kg	300	6.8	U		6	U	
Additional Parameters								
pH	s.u.	N/A						
Total Organic Carbon	mg/Kg	N/A						

Notes:
Highlight indicates exceedance

Q - Qualifier

CCL Label - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CCSB-18-G			CCSB-18-H		
		Location	CCSB-18			CCSB-18		
		Sample Date	4/28/2010			4/28/2010		
		Depth	56 to 60 ft			68 to 72 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C

SC - Site Specific Screening Criteria
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

C - Comparison Flag

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

CCC - Soil Sample Results Full Table (Stage 1)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-01-A			RMSB-01-B			RMSB-01-C			RMSB-01-D			RMSB-02-A			RMSB-02-B		
		Location	RMSB-01			RMSB-01			RMSB-01			RMSB-01			RMSB-02			RMSB-02		
		Sample Date	12/18/2007			12/18/2007			12/18/2007			12/18/2007			12/18/2007			12/18/2007		
		Depth	1 to 3 ft			5 to 8 ft			21 to 23 ft			58 to 60 ft			1 to 3 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
Chloromethane	ug/Kg	980	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
Vinyl Chloride	ug/Kg	13.8	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
Bromomethane	ug/Kg	36	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
Chloroethane	ug/Kg	118000	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
Trichlorofluoromethane	ug/Kg	13800	6.3	UJ		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
1,1-Dichloroethene	ug/Kg	50	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.3	UJ		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
Acetone	ug/Kg	48000	25	U		11	U		14	U		13	U		36		#	63		#
Carbon Disulfide	ug/Kg	4200	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		1.7	J	#
Methyl Acetate	ug/Kg	64000	6.3	UJ		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
Methylene Chloride	ug/Kg	26	6.3	UJ		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
trans-1,2-Dichloroethene	ug/Kg	580	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
Methyl tert-Butyl Ether	ug/Kg	56	6.3	UJ		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
1,1-Dichloroethane	ug/Kg	13.6	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
cis-1,2-Dichloroethene	ug/Kg	420	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		1.1	J	#
2-Butanone	ug/Kg	20000	13	U		11	U		14	U		13	U		12	U		14	U	
Chlorobromomethane	ug/Kg	420	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
Chloroform	ug/Kg	290	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.3	UJ		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
Cyclohexane	ug/Kg	117000	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
Carbon Tetrachloride	ug/Kg	38	6.3	UJ		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
Benzene	ug/Kg	52	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
1,2-Dichloroethane	ug/Kg	28	6.3	UJ		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
1,4-Dioxane	ug/Kg	2.8	130	R		110	R		140	R		130	R		120	R		140	R	
Trichloroethene	ug/Kg	36	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	

CCC - Soil Sample Results Full Table (Stage 1)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-01-A			RMSB-01-B			RMSB-01-C			RMSB-01-D			RMSB-02-A			RMSB-02-B		
		Location	RMSB-01			RMSB-01			RMSB-01			RMSB-01			RMSB-02			RMSB-02		
		Sample Date	12/18/2007			12/18/2007			12/18/2007			12/18/2007			12/18/2007			12/18/2007		
		Depth	1 to 3 ft			5 to 8 ft			21 to 23 ft			58 to 60 ft			1 to 3 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
1,2-Dichloropropane	ug/Kg	34	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
Bromodichloromethane	ug/Kg	270	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
cis-1,3-Dichloropropene	ug/Kg	3	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
4-Methyl-2-pentanone	ug/Kg	4600	13	U		11	U		14	U		13	U		12	U		14	U	
Toluene	ug/Kg	13800	6.3	U		0.83	J	#	6.8	U		0.73	J	#	5.9	U		6.8	U	
trans-1,3-Dichloropropene	ug/Kg	3	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
1,1,2-Trichloroethane	ug/Kg	32	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
Tetrachloroethene	ug/Kg	46	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
2-Hexanone	ug/Kg	158	13	U		11	U		14	U		13	U		12	U		14	U	
Dibromochloromethane	ug/Kg	420	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
1,2-Dibromoethane	ug/Kg	0.28	6.3	UJ		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
Chlorobenzene	ug/Kg	1360	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
Ethylbenzene	ug/Kg	5400	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
o-Xylene	ug/Kg	3800	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
m,p-Xylene	ug/Kg	3600	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
Styrene	ug/Kg	2200	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
Bromoform	ug/Kg	420	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
Isopropylbenzene	ug/Kg	12800	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
1,4-Dichlorobenzene	ug/Kg	1440	6.3	U		0.99	J	#	0.62	J	#	1	J	#	0.97	J	#	0.75	J	#
1,2-Dichlorobenzene	ug/Kg	11600	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
1,2,3-Trichlorobenzene	ug/Kg	300	6.3	U		5.6	U		6.8	U		6.4	U		5.9	U		6.8	U	
Semi-Volatile Organic Compounds																				

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		Sample Code	RMSB-01-A			RMSB-01-B			RMSB-01-C			RMSB-01-D			RMSB-02-A			RMSB-02-B		
		Location	RMSB-01			RMSB-01			RMSB-01			RMSB-01			RMSB-02			RMSB-02		
		Sample Date	12/18/2007			12/18/2007			12/18/2007			12/18/2007			12/18/2007			12/18/2007		
		Depth	1 to 3 ft			5 to 8 ft			21 to 23 ft			58 to 60 ft			1 to 3 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/Kg	6600	250	U		220	U		270	U		250	U		240	U		250	U	
Phenol	ug/Kg	52000	250	U		220	U		270	U		250	U		240	U		250	U	
bis(2-Chloroethyl) ether	ug/Kg	0.06	250	U		220	U		270	U		250	U		240	U		250	U	
2-Chlorophenol	ug/Kg	1140	250	U		220	U		270	U		250	U		240	U		250	U	
2-Methylphenol	ug/Kg	11600	250	U		220	U		270	U		250	U		240	U		250	U	
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	250	U		220	U		270	U		250	U		240	U		250	U	
Acetophenone	ug/Kg	9000	250	U		220	U		270	U		250	U		240	U		250	U	
4-Methylphenol	ug/Kg	22000	250	U		220	U		270	U		250	U		240	U		250	U	
n-Nitroso-di-n-propylamine	ug/Kg	0.14	250	U		220	U		270	U		250	U		240	U		250	U	
Hexachloroethane	ug/Kg	9.6	250	U		220	U		270	U		250	U		240	U		250	U	
Nitrobenzene	ug/Kg	1.58	250	U		220	U		270	U		250	U		240	U		250	U	
Isophorone	ug/Kg	440	250	U		220	U		270	U		250	U		240	U		250	U	
2-Nitrophenol	ug/Kg	N/A	250	U		220	U		270	U		250	U		240	U		250	U	
2,4-Dimethylphenol	ug/Kg	6400	250	U		220	U		270	U		250	U		240	U		250	U	
bis(2-Chloroethoxy)methane	ug/Kg	220	250	U		220	U		270	U		250	U		240	U		250	U	
2,4-Dichlorophenol	ug/Kg	820	250	U		220	U		270	U		250	U		240	U		250	U	
Naphthalene	ug/Kg	9.4	250	U		220	U		270	U		250	U		240	U		250	U	
4-Chloroaniline	ug/Kg	2.6	250	U		220	U		270	U		250	U		240	U		250	U	
Hexachlorobutadiene	ug/Kg	10	250	U		220	U		270	U		250	U		240	U		250	U	
Caprolactam	ug/Kg	38000	250	U		220	U		270	U		250	UJ		240	U		250	UJ	
4-Chloro-3-methylphenol	ug/Kg	26000	250	U		220	U		270	U		250	U		240	U		250	U	
2-Methylnaphthalene	ug/Kg	2800	250	U		220	U		270	U		250	U		240	U		250	U	
Hexachlorocyclopentadiene	ug/Kg	3200	250	U		220	U		270	U		250	U		240	U		250	U	
2,4,6-Trichlorophenol	ug/Kg	260	250	U		220	U		270	U		250	U		240	U		250	U	
2,4,5-Trichlorophenol	ug/Kg	66000	250	U		220	U		270	U		250	U		240	U		250	U	
1,1'-Biphenyl	ug/Kg	174	250	U		220	U		270	U		250	UJ		240	U		250	UJ	
2-Chloronaphthalene	ug/Kg	58000	250	U		220	U		270	U		250	U		240	U		250	U	
2-Nitroaniline	ug/Kg	1240	490	U		420	U		530	U		490	U		460	U		490	U	

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		Sample Code	RMSB-01-A			RMSB-01-B			RMSB-01-C			RMSB-01-D			RMSB-02-A			RMSB-02-B		
		Location	RMSB-01			RMSB-01			RMSB-01			RMSB-01			RMSB-02			RMSB-02		
		Sample Date	12/18/2007			12/18/2007			12/18/2007			12/18/2007			12/18/2007			12/18/2007		
		Depth	1 to 3 ft			5 to 8 ft			21 to 23 ft			58 to 60 ft			1 to 3 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Dimethylphthalate	ug/Kg	N/A	250	U		220	U		270	U		250	UJ		240	U		250	UJ	
2,6-Dinitrotoluene	ug/Kg	400	250	U		220	U		270	U		250	U		240	U		250	U	
Acenaphthylene	ug/Kg	N/A	250	U		220	U		270	U		250	U		240	U		250	U	
3-Nitroaniline	ug/Kg	N/A	490	U		420	U		530	U		490	U		460	U		490	U	
Acenaphthene	ug/Kg	82000	250	U		220	U		270	U		250	U		240	U		250	U	
2,4-Dinitrophenol	ug/Kg	680	490	U		420	U		530	U		490	U		460	U		490	U	
4-Nitrophenol	ug/Kg	N/A	490	U		420	U		530	U		490	U		460	U		490	U	
Dibenzofuran	ug/Kg	N/A	250	U		220	U		270	U		250	UJ		240	U		250	UJ	
2,4-Dinitrotoluene	ug/Kg	5.6	250	U		220	U		270	U		250	U		240	U		250	U	
Diethylphthalate	ug/Kg	94000	250	U		220	U		270	U		250	UJ		240	U		250	UJ	
Fluorene	ug/Kg	80000	250	U		220	U		270	U		250	UJ		240	U		250	UJ	
4-Chlorophenyl-phenylether	ug/Kg	N/A	250	U		220	U		270	U		250	UJ		240	U		250	UJ	
4-Nitroaniline	ug/Kg	28	490	U		420	U		530	U		490	U		460	U		490	U	
4,6-Dinitro-2-methylphenol	ug/Kg	40	490	U		420	U		530	U		490	U		460	U		490	U	
n-Nitrosodiphenylamine	ug/Kg	1140	250	U		220	U		270	U		250	U		240	U		250	U	
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	250	U		220	U		270	U		250	U		240	U		250	U	
4-Bromophenyl-phenylether	ug/Kg	N/A	250	U		220	U		270	U		250	UJ		240	U		250	UJ	
Hexachlorobenzene	ug/Kg	260	250	U		220	U		270	U		250	U		240	U		250	U	
Atrazine	ug/Kg	38	250	U		220	U		270	U		250	U		240	U		250	U	
Pentachlorophenol	ug/Kg	200	490	U		420	U		530	U		490	U		460	U		490	U	
Phenanthrene	ug/Kg	N/A	250	U		220	U		270	U		250	U		240	U		250	U	
Anthracene	ug/Kg	840000	250	U		220	U		270	U		250	U		240	U		250	U	
Carbazole	ug/Kg	N/A	250	U		220	U		270	U		250	UJ		240	U		250	UJ	
Di-n-butylphthalate	ug/Kg	34000	250	U		220	U		270	U		250	UJ		240	U		250	UJ	
Fluoranthene	ug/Kg	230000	250	UJ		220	UJ		270	UJ		250	UJ		240	U		250	UJ	
Pyrene	ug/Kg	170000	250	UJ		220	UJ		270	UJ		250	UJ		240	U		250	UJ	
Butylbenzylphthalate	ug/Kg	4000	250	U		220	U		270	U		250	UJ		240	U		250	UJ	
3,3'-Dichlorobenzidine	ug/Kg	14.2	250	U		220	U		270	U		250	U		240	U		250	U	

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		Sample Code	RMSB-01-A			RMSB-01-B			RMSB-01-C			RMSB-01-D			RMSB-02-A			RMSB-02-B		
		Location	RMSB-01			RMSB-01			RMSB-01			RMSB-01			RMSB-02			RMSB-02		
		Sample Date	12/18/2007			12/18/2007			12/18/2007			12/18/2007			12/18/2007			12/18/2007		
		Depth	1 to 3 ft			5 to 8 ft			21 to 23 ft			58 to 60 ft			1 to 3 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzo(a)anthracene	ug/Kg	150	250	UJ		220	UJ		270	UJ		250	UJ		240	U		250	UJ	
Chrysene	ug/Kg	15000	250	UJ		220	UJ		270	UJ		250	UJ		240	U		250	UJ	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	250	U		220	U		270	U		250	UJ		240	U		250	UJ	
Di-n-octylphthalate	ug/Kg	N/A	250	U		220	U		270	U		250	U		240	U		250	U	
Benzo(b)fluoranthene	ug/Kg	150	250	U		220	U		270	U		250	U		240	U		250	UJ	
Benzo(k)fluoranthene	ug/Kg	1500	250	U		220	U		270	U		250	U		240	U		250	UJ	
Benzo(a)pyrene	ug/Kg	15	250	U		220	U		270	U		250	U		240	U		250	UJ	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	250	U		220	U		270	U		250	U		240	U		250	UJ	
Dibenz(a,h)anthracene	ug/Kg	15	250	U		220	U		270	U		250	U		240	U		250	UJ	
Benzo(g,h,i)perylene	ug/Kg	N/A	250	U		220	U		270	U		250	U		240	U		250	UJ	
Chlorophenols	ug/Kg	22000	250	U		220	U		270	U		250	U		240	U		250	U	
PCBs																				
Aroclor-1016	ug/Kg	390	49	U		42	U		53	U		49	U		46	U		49	U	
Aroclor-1221	ug/Kg	1.48	49	U		42	U		53	U		49	U		46	U		49	U	
Aroclor-1232	ug/Kg	1.48	49	U		42	U		53	U		49	U		46	U		49	U	
Aroclor-1242	ug/Kg	106	49	U		42	U		53	U		49	U		46	U		49	U	
Aroclor-1248	ug/Kg	104	49	U		42	U		53	U		49	U		46	U		49	U	
Aroclor-1254	ug/Kg	110	49	U		42	U		53	U		49	U		46	U		49	U	
Aroclor-1260	ug/Kg	220	49	U		42	U		53	U		49	U		46	U		49	U	
Aroclor-1262	ug/Kg	220	49	U		42	U		53	U		49	U		46	U		49	U	
Aroclor-1268	ug/Kg	220	49	U		42	U		53	U		49	U		46	U		49	U	
Pesticides																				
alpha-BHC	ug/Kg	0.72	2.5	U		2.2	U		2.7	U		2.5	U		2.4	U		2.5	U	
beta-BHC	ug/Kg	2.6	2.5	U		2.2	U		2.7	U		2.5	U		2.4	U		2.5	U	
delta-BHC	ug/Kg	N/A	2.5	U		2.2	U		2.7	U		2.5	U		2.4	U		2.5	U	
gamma-BHC (Lindane)	ug/Kg	24	2.5	U		2.2	U		2.7	U		2.5	U		2.4	U		2.5	U	

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		Sample Code	RMSB-01-A			RMSB-01-B			RMSB-01-C			RMSB-01-D			RMSB-02-A			RMSB-02-B		
		Location	RMSB-01			RMSB-01			RMSB-01			RMSB-01			RMSB-02			RMSB-02		
		Sample Date	12/18/2007			12/18/2007			12/18/2007			12/18/2007			12/18/2007			12/18/2007		
		Depth	1 to 3 ft			5 to 8 ft			21 to 23 ft			58 to 60 ft			1 to 3 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Heptachlor	ug/Kg	110	2.5	U		2.2	U		2.7	U		2.5	U		2.4	U		2.5	U	
Aldrin	ug/Kg	0.68	2.5	U		2.2	U		2.7	U		2.5	U		2.4	U		2.5	U	
Heptachlor epoxide	ug/Kg	53	2.5	U		2.2	U		2.7	U		2.5	U		2.4	U		2.5	U	
Endosulfan I	ug/Kg	22000	2.5	U		2.2	U		2.7	U		2.5	U		2.4	U		2.5	U	
Dieldrin	ug/Kg	1.22	4.9	U		4.2	U		5.3	U		4.9	U		4.6	U		4.9	U	
4,4'-DDE	ug/Kg	920	4.9	U		4.2	U		5.3	U		4.9	U		4.6	U		4.9	U	
Endrin	ug/Kg	1620	4.9	U		4.2	U		5.3	U		4.9	U		4.6	U		4.9	U	
Endosulfan II	ug/Kg	22000	4.9	U		4.2	U		5.3	U		4.9	U		4.6	U		4.9	U	
4,4'-DDD	ug/Kg	1320	4.9	U		4.2	U		5.3	U		4.9	U		4.6	U		4.9	U	
Endosulfan sulfate	ug/Kg	22000	4.9	U		4.2	U		5.3	U		4.9	U		4.6	U		4.9	U	
4,4'-DDT	ug/Kg	1340	4.9	U		4.2	U		5.3	U		4.9	U		4.6	U		4.9	U	
Methoxychlor	ug/Kg	31000	25	U		22	U		27	U		25	U		24	U		25	U	
Endrin ketone	ug/Kg	1620	4.9	U		4.2	U		5.3	U		4.9	U		4.6	U		4.9	U	
Endrin aldehyde	ug/Kg	1620	4.9	U		4.2	U		5.3	U		4.9	U		4.6	U		4.9	U	
alpha-Chlordane	ug/Kg	1600	2.5	U		2.2	U		2.7	U		2.5	U		2.4	U		2.5	U	
gamma-Chlordane	ug/Kg	1600	0.5	J	#	2.2	U		0.8	J	#	2.5	U		2.4	U		2.5	U	
Toxaphene	ug/Kg	440	250	U		220	U		270	U		250	U		240	U		250	U	
Inorganic Analytes																				
Aluminum	mg/kg	7700	**21000**	J	A	**23200**	J	A	**44300**	J	A	**34200**	J	A	**23600**	J	A	**9130**	J	A
Antimony	mg/kg	3.1	8.2	U		7.3	U		9.5	U		8.8	U		8.3	U		8.7	U	
Arsenic	mg/kg	0.39	**2.2**		A	**1.6**		A	1.6	U		1.5	U		1.4	U		1.5	U	
Barium	mg/kg	1500	258		#	160		#	375		#	311		#	213		#	29.2	U	
Beryllium	mg/kg	16	0.68	UJ		0.61	UJ		1.6	J	#	0.74	UJ		0.69	UJ		0.73	UJ	
Cadmium	mg/kg	7	4.6		#	4.2		#	**8**		A	5.4		#	4.6		#	2		#
Calcium	mg/kg	N/A	2690	J	~	10600	J	~	683	J	~	1250	J	~	2040	J	~	248	J	~
Chromium	mg/kg	0.29	**39.4**		A	**27.3**		A	**156**		A	**21.4**		A	**54.2**		A	**10**		A
Cobalt	mg/kg	2.3	**44.4**	J	A	**29**	J	A	**110**	J	A	**32.7**	J	A	**27**	J	A	**12.9**	J	A

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		Sample Code	RMSB-01-A			RMSB-01-B			RMSB-01-C			RMSB-01-D			RMSB-02-A			RMSB-02-B		
		Location	RMSB-01			RMSB-01			RMSB-01			RMSB-01			RMSB-02			RMSB-02		
		Sample Date	12/18/2007			12/18/2007			12/18/2007			12/18/2007			12/18/2007			12/18/2007		
		Depth	1 to 3 ft			5 to 8 ft			21 to 23 ft			58 to 60 ft			1 to 3 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Copper	mg/kg	310	104		#	129		#	**549**		A	166		#	117		#	72.5		#
Cyanide	mg/kg	4.7	3.4	U		3	U		4	U		0.53	J	#	3.4	U		0.21	J	#
Iron	mg/kg	5400	51200	R		44400	R		82300	R		61700	R		59200	R		29300	R	
Lead	mg/kg	280	1.4	UJ		1.2	UJ		1.6	UJ		1.5	UJ		1.4	UJ		1.5	UJ	
Magnesium	mg/kg	N/A	6440	J	~	10600	J	~	1940	J	~	9130	J	~	6750	J	~	1280	J	~
Manganese	mg/kg	21	**1110**	J	A	**1010**	J	A	**2420**	J	A	**965**	J	A	**970**	J	A	**266**	J	A
Mercury	mg/kg	2	0.14	U		0.12	U		0.16	U		0.14	U		0.13	U		0.15	U	
Nickel	mg/kg	150	15.1		#	20		#	**239**		A	55.4		#	18		#	5.1	J	#
Potassium	mg/kg	N/A	232	J	~	612	J	~	239	J	~	296	J	~	443	J	~	189	J	~
Selenium	mg/kg	5.2	4.8	UJ		4.2	UJ		5.5	UJ		5.1	UJ		4.8	UJ		5.1	UJ	
Silver	mg/kg	12	6.2	J	#	5.3	J	#	9.7	J	#	7.4	J	#	7.2	J	#	3.6	J	#
Sodium	mg/kg	N/A	579	J	~	669		~	501	J	~	385	J	~	633	J	~	204	J	~
Thallium	mg/kg	0.08	3.4	UJ		3	UJ		4	UJ		3.7	UJ		3.4	UJ		3.6	UJ	
Vanadium	mg/kg	39	**241**		A	**188**		A	**277**		A	**194**		A	**209**		A	**97.4**		A
Zinc	mg/kg	2300	50.4		#	58.9		#	127		#	326		#	57.8		#	36.5		#
Additional Parameters																				
% GRANULE & LARGER >2 MM	%	N/A							1		~							0		~
% VERY COURSE SAND >1 - 2 MM	%	N/A							7		~							0		~
% COARSE SAND >.5 - 1 MM	%	N/A							10		~							0		~
% MEDIUM SAND >.25 - .5 MM	%	N/A							15		~							1		~
% FINE SAND >.125 - .25 MM	%	N/A							13		~							2		~
% VERY FINE SAND >.0625 - .125 MM	%	N/A							9		~							3		~
% SILT	%	N/A							41		~							23		~
% CLAY & COLLOIDS	%	N/A							4		~							70		~
pH	s.u.	N/A							7		~							6		~
Total Organic Carbon	mg/Kg	N/A							270	J	~							6300		~

Notes:
Highlight indicates exceedance

Q - Qualifier

CCC - Soil Sample Results Full Table (Stage 1)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-01-A			RMSB-01-B			RMSB-01-C			RMSB-01-D			RMSB-02-A			RMSB-02-B		
		Location	RMSB-01			RMSB-01			RMSB-01			RMSB-01			RMSB-02			RMSB-02		
		Sample Date	12/18/2007			12/18/2007			12/18/2007			12/18/2007			12/18/2007			12/18/2007		
		Depth	1 to 3 ft			5 to 8 ft			21 to 23 ft			58 to 60 ft			1 to 3 ft			5 to 7 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

SC - Site Specific Screening Criteria
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

C - Comparison Flag

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

CCC - Soil Sample Results Full Table (Stage 1)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-02-C			RMSB-03-A			RMSB-03-B			RMSB-03-C			RMSB-03-D			RMSB-04-A		
		Location	RMSB-02			RMSB-03			RMSB-03			RMSB-03			RMSB-03			RMSB-04		
		Sample Date	12/18/2007			12/19/2007			12/19/2007			12/19/2007			12/19/2007			12/20/2007		
		Depth	42 to 44 ft			1 to 3 ft			5 to 8 ft			21 to 23 ft			58 to 60 ft			0 to 1 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	6.6	U		7.8	U		8	U		7.3	U		7.9	U		5.4	U	
Chloromethane	ug/Kg	980	6.6	U		7.8	U		8	U		7.3	U		7.9	U		5.4	U	
Vinyl Chloride	ug/Kg	13.8	6.6	U		7.8	U		8	U		7.3	U		7.9	U		5.4	U	
Bromomethane	ug/Kg	36	6.6	U		7.8	U		8	U		7.3	U		7.9	U		5.4	U	
Chloroethane	ug/Kg	118000	6.6	U		7.8	U		8	U		7.3	U		7.9	U		5.4	U	
Trichlorofluoromethane	ug/Kg	13800	6.6	U		7.8	U		8	U		7.3	U		7.9	U		5.4	U	
1,1-Dichloroethene	ug/Kg	50	6.6	U		7.8	U		8	U		7.3	U		7.9	U		5.4	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.6	U		7.8	U		8	U		7.3	U		7.9	U		5.4	U	
Acetone	ug/Kg	48000	16	U		16	U		62		#	15	U		20	U		14	U	
Carbon Disulfide	ug/Kg	4200	6.6	U		7.8	U		2.1	J	#	7.3	U		7.9	U		5.4	U	
Methyl Acetate	ug/Kg	64000	6.6	U		7.8	U		4.1	J	#	7.3	U		7.9	U		5.4	U	
Methylene Chloride	ug/Kg	26	6.6	U		7.8	U		8	U		7.3	U		7.9	U		5.4	U	
trans-1,2-Dichloroethene	ug/Kg	580	6.6	U		7.8	U		8	U		7.3	U		7.9	U		5.4	U	
Methyl tert-Butyl Ether	ug/Kg	56	6.6	U		7.8	U		8	U		7.3	U		7.9	U		5.4	U	
1,1-Dichloroethane	ug/Kg	13.6	6.6	U		7.8	U		8	U		7.3	U		7.9	U		5.4	U	
cis-1,2-Dichloroethene	ug/Kg	420	56		#	7.8	U		8	U		7.3	U		7.9	U		5.4	U	
2-Butanone	ug/Kg	20000	13	U		16	U		16	U		15	U		16	U		11	U	
Chlorobromomethane	ug/Kg	420	6.6	U		7.8	U		8	U		7.3	U		7.9	U		5.4	U	
Chloroform	ug/Kg	290	6.6	U		7.8	U		8	U		7.3	U		7.9	U		5.4	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.6	U		7.8	U		8	U		7.3	U		7.9	U		5.4	U	
Cyclohexane	ug/Kg	117000	6.6	U		7.8	U		8	U		7.3	U		7.9	U		5.4	U	
Carbon Tetrachloride	ug/Kg	38	6.6	U		7.8	U		8	U		7.3	U		7.9	U		5.4	U	
Benzene	ug/Kg	52	6.6	U		7.8	U		8	U		7.3	U		7.9	U		5.4	U	
1,2-Dichloroethane	ug/Kg	28	6.6	U		7.8	U		8	U		7.3	U		7.9	U		5.4	U	
1,4-Dioxane	ug/Kg	2.8	130	R		160	R		160	R		150	R		160	R		110	R	
Trichloroethene	ug/Kg	36	6.1	J	#	7.8	U		8	U		7.3	U		7.9	U		5.4	U	

CCC - Soil Sample Results Full Table (Stage 1)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-02-C			RMSB-03-A			RMSB-03-B			RMSB-03-C			RMSB-03-D			RMSB-04-A		
		Location	RMSB-02			RMSB-03			RMSB-03			RMSB-03			RMSB-03			RMSB-04		
		Sample Date	12/18/2007			12/19/2007			12/19/2007			12/19/2007			12/19/2007			12/20/2007		
		Depth	42 to 44 ft			1 to 3 ft			5 to 8 ft			21 to 23 ft			58 to 60 ft			0 to 1 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	6.6	U		7.8	U		8	U		7.3	U		7.9	U		5.4	U	
1,2-Dichloropropane	ug/Kg	34	6.6	U		7.8	U		8	U		7.3	U		7.9	U		5.4	U	
Bromodichloromethane	ug/Kg	270	6.6	U		7.8	U		8	U		7.3	U		7.9	U		5.4	U	
cis-1,3-Dichloropropene	ug/Kg	3	6.6	U		7.8	U		8	UJ		7.3	U		7.9	U		5.4	U	
4-Methyl-2-pentanone	ug/Kg	4600	13	U		16	U		16	U		15	U		16	U		11	U	
Toluene	ug/Kg	13800	6.6	U		7.8	U		1.5	J	#	7.3	U		7.9	U		0.63	J	#
trans-1,3-Dichloropropene	ug/Kg	3	6.6	U		7.8	U		8	UJ		7.3	U		7.9	U		5.4	U	
1,1,2-Trichloroethane	ug/Kg	32	6.6	U		7.8	U		8	UJ		7.3	U		7.9	U		5.4	U	
Tetrachloroethene	ug/Kg	46	24		#	7.8	U		8	U		11		#	12		#	5.4	U	
2-Hexanone	ug/Kg	158	13	U		16	U		16	U		15	U		16	U		11	U	
Dibromochloromethane	ug/Kg	420	6.6	U		7.8	U		8	U		7.3	U		7.9	U		5.4	U	
1,2-Dibromoethane	ug/Kg	0.28	6.6	U		7.8	U		8	U		7.3	U		7.9	U		5.4	U	
Chlorobenzene	ug/Kg	1360	6.6	U		7.8	U		8	UJ		7.3	U		7.9	U		5.4	U	
Ethylbenzene	ug/Kg	5400	6.6	U		7.8	U		8	U		7.3	U		7.9	U		5.4	U	
o-Xylene	ug/Kg	3800	6.6	U		7.8	U		8	U		7.3	U		7.9	U		5.4	U	
m,p-Xylene	ug/Kg	3600	6.6	U		7.8	U		8	U		7.3	U		7.9	U		5.4	U	
Styrene	ug/Kg	2200	6.6	U		7.8	U		8	U		7.3	U		7.9	U		5.4	U	
Bromoform	ug/Kg	420	6.6	U		7.8	U		8	U		7.3	U		7.9	U		5.4	U	
Isopropylbenzene	ug/Kg	12800	6.6	U		7.8	U		8	U		7.3	U		7.9	U		5.4	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	6.6	U		7.8	U		8	U		7.3	U		7.9	U		5.4	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.6	U		7.8	U		8	UJ		7.3	U		7.9	U		5.4	U	
1,4-Dichlorobenzene	ug/Kg	1440	1.2	J	#	2.7	J	#	1.9	J	#	0.92	J	#	1.6	J	#	1.1	J	#
1,2-Dichlorobenzene	ug/Kg	11600	6.6	U		7.8	U		8	UJ		7.3	U		7.9	U		5.4	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.6	U		7.8	U		8	U		7.3	U		7.9	U		5.4	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.6	U		7.8	UJ		8	UJ		7.3	U		7.9	U		5.4	UJ	
1,2,3-Trichlorobenzene	ug/Kg	300	6.6	U		7.8	UJ		8	UJ		7.3	U		7.9	U		5.4	UJ	
Semi-Volatile Organic Compounds																				

CCC - Soil Sample Results Full Table (Stage 1)
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Cidra, Puerto Rico

		Sample Code	RMSB-02-C			RMSB-03-A			RMSB-03-B			RMSB-03-C			RMSB-03-D			RMSB-04-A		
		Location	RMSB-02			RMSB-03			RMSB-03			RMSB-03			RMSB-03			RMSB-04		
		Sample Date	12/18/2007			12/19/2007			12/19/2007			12/19/2007			12/19/2007			12/20/2007		
		Depth	42 to 44 ft			1 to 3 ft			5 to 8 ft			21 to 23 ft			58 to 60 ft			0 to 1 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/Kg	6600	250	U		250	U		250	U		260	U		260	U		240	U	
Phenol	ug/Kg	52000	250	U		38	J	#	250	U		260	U		260	U		48	J	#
bis(2-Chloroethyl) ether	ug/Kg	0.06	250	U		250	U		250	U		260	U		260	U		240	U	
2-Chlorophenol	ug/Kg	1140	250	U		250	U		250	U		260	U		260	U		240	U	
2-Methylphenol	ug/Kg	11600	250	U		250	U		250	U		260	U		260	U		240	U	
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	250	U		250	U		250	U		260	U		260	U		240	U	
Acetophenone	ug/Kg	9000	250	U		250	U		250	U		260	U		260	U		240	U	
4-Methylphenol	ug/Kg	22000	250	U		250	U		250	U		260	U		260	U		240	U	
n-Nitroso-di-n-propylamine	ug/Kg	0.14	250	U		250	U		250	U		260	U		260	U		240	U	
Hexachloroethane	ug/Kg	9.6	250	U		250	U		250	U		260	U		260	U		240	U	
Nitrobenzene	ug/Kg	1.58	250	U		250	UJ		250	UJ		260	UJ		260	UJ		240	UJ	
Isophorone	ug/Kg	440	250	U		250	U		250	U		260	U		260	U		240	U	
2-Nitrophenol	ug/Kg	N/A	250	U		250	U		250	U		260	U		260	U		240	U	
2,4-Dimethylphenol	ug/Kg	6400	250	U		250	U		250	U		260	U		260	U		240	U	
bis(2-Chloroethoxy)methane	ug/Kg	220	250	U		250	U		250	U		260	U		260	U		240	U	
2,4-Dichlorophenol	ug/Kg	820	250	U		250	U		250	U		260	U		260	U		240	U	
Naphthalene	ug/Kg	9.4	250	U		250	U		250	U		260	U		260	U		240	U	
4-Chloroaniline	ug/Kg	2.6	250	U		250	UJ		250	U		260	U		260	U		240	U	
Hexachlorobutadiene	ug/Kg	10	250	U		250	U		250	U		260	U		260	U		240	U	
Caprolactam	ug/Kg	38000	250	UJ		250	U		250	UJ		260	UJ		260	U		240	U	
4-Chloro-3-methylphenol	ug/Kg	26000	250	U		250	U		250	U		260	U		260	U		240	U	
2-Methylnaphthalene	ug/Kg	2800	250	U		250	U		250	U		260	U		260	U		240	U	
Hexachlorocyclopentadiene	ug/Kg	3200	250	U		250	UJ		250	U		260	U		260	U		240	U	
2,4,6-Trichlorophenol	ug/Kg	260	250	U		250	U		250	U		260	U		260	U		240	U	
2,4,5-Trichlorophenol	ug/Kg	66000	250	U		250	U		250	U		260	U		260	U		240	U	
1,1'-Biphenyl	ug/Kg	174	250	UJ		250	U		250	UJ		260	UJ		260	U		240	U	
2-Chloronaphthalene	ug/Kg	58000	250	U		250	U		250	U		260	U		260	U		240	U	
2-Nitroaniline	ug/Kg	1240	490	U		490	U		490	U		500	U		510	U		470	U	

CCC - Soil Sample Results Full Table (Stage 1)
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		Sample Code	RMSB-02-C			RMSB-03-A			RMSB-03-B			RMSB-03-C			RMSB-03-D			RMSB-04-A		
		Location	RMSB-02			RMSB-03			RMSB-03			RMSB-03			RMSB-03			RMSB-04		
		Sample Date	12/18/2007			12/19/2007			12/19/2007			12/19/2007			12/19/2007			12/20/2007		
		Depth	42 to 44 ft			1 to 3 ft			5 to 8 ft			21 to 23 ft			58 to 60 ft			0 to 1 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Dimethylphthalate	ug/Kg	N/A	250	UJ		250	U		250	UJ		260	UJ		260	U		240	U	
2,6-Dinitrotoluene	ug/Kg	400	250	U		250	U		250	U		260	U		260	U		240	U	
Acenaphthylene	ug/Kg	N/A	250	U		250	U		250	U		260	U		260	U		240	U	
3-Nitroaniline	ug/Kg	N/A	490	U		490	U		490	U		500	U		510	U		470	U	
Acenaphthene	ug/Kg	82000	250	U		250	U		250	U		260	U		260	U		240	U	
2,4-Dinitrophenol	ug/Kg	680	490	U		490	U		490	U		500	U		510	U		470	U	
4-Nitrophenol	ug/Kg	N/A	490	U		490	U		490	U		500	U		510	U		470	U	
Dibenzofuran	ug/Kg	N/A	250	UJ		250	U		250	UJ		260	UJ		260	U		240	U	
2,4-Dinitrotoluene	ug/Kg	5.6	250	U		250	U		250	U		260	U		260	U		240	U	
Diethylphthalate	ug/Kg	94000	250	UJ		250	U		250	UJ		260	UJ		260	U		240	U	
Fluorene	ug/Kg	80000	250	UJ		250	U		250	UJ		260	UJ		260	U		240	U	
4-Chlorophenyl-phenylether	ug/Kg	N/A	250	UJ		250	U		250	UJ		260	UJ		260	U		240	U	
4-Nitroaniline	ug/Kg	28	490	U		490	U		490	U		500	U		510	U		470	U	
4,6-Dinitro-2-methylphenol	ug/Kg	40	490	U		490	U		490	U		500	U		510	U		470	U	
n-Nitrosodiphenylamine	ug/Kg	1140	250	U		250	U		250	U		260	U		260	U		240	U	
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	250	U		250	U		250	U		260	U		260	U		240	U	
4-Bromophenyl-phenylether	ug/Kg	N/A	250	UJ		250	U		250	UJ		260	UJ		260	U		240	U	
Hexachlorobenzene	ug/Kg	260	250	U		250	U		250	U		260	U		260	U		240	U	
Atrazine	ug/Kg	38	250	U		250	U		250	U		260	U		260	U		240	U	
Pentachlorophenol	ug/Kg	200	490	U		490	U		490	U		500	U		510	U		470	U	
Phenanthrene	ug/Kg	N/A	250	U		250	U		250	U		260	U		260	U		240	U	
Anthracene	ug/Kg	840000	250	U		250	U		250	U		260	U		260	U		240	U	
Carbazole	ug/Kg	N/A	250	UJ		250	U		250	UJ		260	UJ		260	U		240	U	
Di-n-butylphthalate	ug/Kg	34000	250	UJ		89	J	#	250	UJ		260	UJ		260	U		240	U	
Fluoranthene	ug/Kg	230000	250	UJ		250	UJ		250	UJ		260	UJ		260	UJ		240	U	
Pyrene	ug/Kg	170000	250	UJ		250	UJ		250	UJ		260	UJ		260	UJ		240	U	
Butylbenzylphthalate	ug/Kg	4000	250	UJ		250	U		250	UJ		260	UJ		260	U		240	U	
3,3'-Dichlorobenzidine	ug/Kg	14.2	250	U		250	UJ		250	U		260	U		260	U		240	U	

CCC - Soil Sample Results Full Table (Stage 1)
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Cidra, Puerto Rico

		Sample Code	RMSB-02-C			RMSB-03-A			RMSB-03-B			RMSB-03-C			RMSB-03-D			RMSB-04-A		
		Location	RMSB-02			RMSB-03			RMSB-03			RMSB-03			RMSB-03			RMSB-04		
		Sample Date	12/18/2007			12/19/2007			12/19/2007			12/19/2007			12/19/2007			12/20/2007		
		Depth	42 to 44 ft			1 to 3 ft			5 to 8 ft			21 to 23 ft			58 to 60 ft			0 to 1 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzo(a)anthracene	ug/Kg	150	250	UJ		250	UJ		250	UJ		260	UJ		260	UJ		240	U	
Chrysene	ug/Kg	15000	250	UJ		250	UJ		250	UJ		260	UJ		260	UJ		240	U	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	250	UJ		390		#	250	UJ		260	UJ		120	J	#	370		#
Di-n-octylphthalate	ug/Kg	N/A	250	U		250	U		250	UJ		260	UJ		260	U		240	U	
Benzo(b)fluoranthene	ug/Kg	150	250	UJ		250	UJ		250	UJ		260	UJ		260	UJ		240	U	
Benzo(k)fluoranthene	ug/Kg	1500	250	UJ		250	UJ		250	UJ		260	UJ		260	UJ		240	U	
Benzo(a)pyrene	ug/Kg	15	250	UJ		250	UJ		250	UJ		260	UJ		260	UJ		240	U	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	250	UJ		250	UJ		250	UJ		260	UJ		260	UJ		240	U	
Dibenz(a,h)anthracene	ug/Kg	15	250	UJ		250	UJ		250	UJ		260	UJ		260	UJ		240	U	
Benzo(g,h,i)perylene	ug/Kg	N/A	250	UJ		250	UJ		250	UJ		260	UJ		260	UJ		240	U	
Chlorophenols	ug/Kg	22000	250	U		250	U		250	U		260	U		260	U		240	U	
PCBs																				
Aroclor-1016	ug/Kg	390	49	U		49	U		49	U		50	U		51	U		46	U	
Aroclor-1221	ug/Kg	1.48	49	U		49	U		49	U		50	U		51	U		46	U	
Aroclor-1232	ug/Kg	1.48	49	U		49	U		49	U		50	U		51	U		46	U	
Aroclor-1242	ug/Kg	106	49	U		49	U		49	U		50	U		51	U		46	U	
Aroclor-1248	ug/Kg	104	49	U		49	U		49	U		50	U		51	U		46	U	
Aroclor-1254	ug/Kg	110	49	U		49	U		49	U		50	U		51	U		46	U	
Aroclor-1260	ug/Kg	220	49	U		49	U		49	U		50	U		51	U		46	U	
Aroclor-1262	ug/Kg	220	49	U		49	U		49	U		50	U		51	U		46	U	
Aroclor-1268	ug/Kg	220	49	U		49	U		49	U		50	U		51	U		46	U	
Pesticides																				
alpha-BHC	ug/Kg	0.72	2.5	U		2.5	U		2.5	U		2.6	U		2.6	U		2.4	U	
beta-BHC	ug/Kg	2.6	2.5	U		2.5	U		2.5	U		2.6	U		2.6	U		2.4	U	
delta-BHC	ug/Kg	N/A	2.5	U		2.5	U		2.5	U		2.6	U		2.6	U		2.4	U	
gamma-BHC (Lindane)	ug/Kg	24	2.5	U		2.5	U		2.5	U		2.6	U		2.6	U		2.4	U	

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		Sample Code	RMSB-02-C			RMSB-03-A			RMSB-03-B			RMSB-03-C			RMSB-03-D			RMSB-04-A		
		Location	RMSB-02			RMSB-03			RMSB-03			RMSB-03			RMSB-03			RMSB-04		
		Sample Date	12/18/2007			12/19/2007			12/19/2007			12/19/2007			12/19/2007			12/20/2007		
		Depth	42 to 44 ft			1 to 3 ft			5 to 8 ft			21 to 23 ft			58 to 60 ft			0 to 1 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Heptachlor	ug/Kg	110	2.5	U		2.5	U		2.5	U		2.6	U		2.6	U		2.4	U	
Aldrin	ug/Kg	0.68	2.5	U		2.5	U		2.5	U		2.6	U		2.6	U		2.4	U	
Heptachlor epoxide	ug/Kg	53	2.5	U		2.5	U		2.5	U		2.6	U		2.6	U		2.4	U	
Endosulfan I	ug/Kg	22000	2.5	U		2.5	U		2.5	U		2.6	U		2.6	U		2.4	U	
Dieldrin	ug/Kg	1.22	4.9	U		4.9	U		4.9	U		5	U		5.1	U		4.6	U	
4,4'-DDE	ug/Kg	920	4.9	U		4.9	U		4.9	U		5	U		5.1	U		4.6	U	
Endrin	ug/Kg	1620	4.9	U		4.9	U		4.9	U		5	U		5.1	U		4.6	U	
Endosulfan II	ug/Kg	22000	4.9	U		4.9	U		4.9	U		5	U		5.1	U		4.6	U	
4,4'-DDD	ug/Kg	1320	4.9	U		4.9	U		4.9	U		5	U		5.1	U		4.6	U	
Endosulfan sulfate	ug/Kg	22000	4.9	U		4.9	U		4.9	U		5	U		5.1	U		4.6	U	
4,4'-DDT	ug/Kg	1340	4.9	U		4.9	U		4.9	U		5	U		5.1	U		4.6	U	
Methoxychlor	ug/Kg	31000	25	U		25	U		25	U		26	U		26	U		24	U	
Endrin ketone	ug/Kg	1620	4.9	U		4.9	U		4.9	U		5	U		5.1	U		4.6	U	
Endrin aldehyde	ug/Kg	1620	4.9	U		4.9	U		4.9	U		5	U		5.1	U		4.6	U	
alpha-Chlordane	ug/Kg	1600	2.5	U		2.5	U		2.5	U		2.6	U		2.6	U		2.4	U	
gamma-Chlordane	ug/Kg	1600	2.5	U		2.5	U		2.5	U		2.6	U		2.6	U		2.4	U	
Toxaphene	ug/Kg	440	250	U		250	U		250	U		260	U		260	U		240	U	
Inorganic Analytes																				
Aluminum	mg/kg	7700	**26400**	J	A	**12700**	J	A	**11000**	J	A	**11900**	J	A	**33200**	J	A	**13100**	J	A
Antimony	mg/kg	3.1	9.1	U		2.2	U		2.3	U		2.4	U		2.4	U		2.1	U	
Arsenic	mg/kg	0.39	1.5	U		1.5	U		1.5	U		1.6	U		1.6	U		1.4	U	
Barium	mg/kg	1500	710		#	50.7	J	#	66.7	J	#	104	J	#	418	J	#	159	J	#
Beryllium	mg/kg	16	0.76	UJ		0.75	UJ		0.77	UJ		0.79	UJ		1.6	J	#	0.71	UJ	
Cadmium	mg/kg	7	3		#	1.9		#	1.7		#	1.7		#	4.2		#	1.7		#
Calcium	mg/kg	N/A	542	J	~	2900	J	~	989	J	~	428	J	~	1460	J	~	4150	J	~
Chromium	mg/kg	0.29	**25.8**		A	**21.9**	J	A	**25.9**	J	A	**11.1**	J	A	**18.1**	J	A	**15.1**	J	A
Cobalt	mg/kg	2.3	**67.5**	J	A	**16.3**	J	A	7.7	UJ		**45.6**	J	A	**86.8**	J	A	**99.8**	J	A

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		Sample Code	RMSB-02-C			RMSB-03-A			RMSB-03-B			RMSB-03-C			RMSB-03-D			RMSB-04-A		
		Location	RMSB-02			RMSB-03			RMSB-03			RMSB-03			RMSB-03			RMSB-04		
		Sample Date	12/18/2007			12/19/2007			12/19/2007			12/19/2007			12/19/2007			12/20/2007		
		Depth	42 to 44 ft			1 to 3 ft			5 to 8 ft			21 to 23 ft			58 to 60 ft			0 to 1 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Copper	mg/kg	310	155		#	73.1		#	44.9		#	131		#	**314**		A	47.5		#
Cyanide	mg/kg	4.7	3.8	U		3.7	U		3.8	U		0.5	J	#	3.9	U		0.81	J	#
Iron	mg/kg	5400	32400	R		**31100**	J	A	**32900**	J	A	**32700**	J	A	**61800**	J	A	**34400**	J	A
Lead	mg/kg	280	1.9	J	#	10.1		#	1.5	U		1.6	U		1.6	U		3.5		#
Magnesium	mg/kg	N/A	6540	J	~	3120	J	~	1190	J	~	1430	J	~	8240	J	~	1160	J	~
Manganese	mg/kg	21	**921**	J	A	**402**	J	A	**420**	J	A	**856**	J	A	**1300**	J	A	**2760**	J	A
Mercury	mg/kg	2	0.086	J	#	0.41		#	0.29		#	0.16	U		0.16	U		0.2		#
Nickel	mg/kg	150	105		#	10.9	J	#	6.1	UJ		14.1	J	#	37.5	J	#	5.7	UJ	
Potassium	mg/kg	N/A	731	J	~	282	J	~	181	J	~	137	J	~	400	J	~	128	J	~
Selenium	mg/kg	5.2	5.3	UJ		5.2	UJ		5.4	UJ		5.5	UJ		5.5	UJ		5	UJ	
Silver	mg/kg	12	4.1	J	#	4	J	#	4.3	J	#	4.3	J	#	7.9	J	#	4.6	J	#
Sodium	mg/kg	N/A	234	J	~	732	J	~	233	J	~	205	J	~	433	J	~	324	J	~
Thallium	mg/kg	0.08	3.8	UJ		0.37	U		0.38	U		0.39	U		0.39	U		0.36	U	
Vanadium	mg/kg	39	**123**		A	**112**	J	A	**122**	J	A	**110**	J	A	**232**	J	A	**137**	J	A
Zinc	mg/kg	2300	335		#	78.8	J	#	29.8	J	#	41.1	J	#	265	J	#	41.4	J	#
Additional Parameters																				
% GRANULE & LARGER >2 MM	%	N/A										0		~						
% VERY COURSE SAND >1 - 2 MM	%	N/A										0		~						
% COARSE SAND >.5 - 1 MM	%	N/A										1		~						
% MEDIUM SAND >.25 - .5 MM	%	N/A										2		~						
% FINE SAND >.125 - .25 MM	%	N/A										4		~						
% VERY FINE SAND >.0625 - .125 MM	%	N/A										5		~						
% SILT	%	N/A										68		~						
% CLAY & COLLOIDS	%	N/A										21		~						
pH	s.u.	N/A										6		~						
Total Organic Carbon	mg/Kg	N/A										520	J	~						

Notes:
Highlight indicates exceedance

Q - Qualifier

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		Sample Code	RMSB-02-C			RMSB-03-A			RMSB-03-B			RMSB-03-C			RMSB-03-D			RMSB-04-A		
		Location	RMSB-02			RMSB-03			RMSB-03			RMSB-03			RMSB-03			RMSB-04		
		Sample Date	12/18/2007			12/19/2007			12/19/2007			12/19/2007			12/19/2007			12/20/2007		
		Depth	42 to 44 ft			1 to 3 ft			5 to 8 ft			21 to 23 ft			58 to 60 ft			0 to 1 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

SC - Site Specific Screening Criteria
C - Comparison Flag
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

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		Sample Code	RMSB-04-B			RMSB-04-C			RMSB-04-D			RMSB-05-A			RMSB-05-B			RMSB-05-C		
		Location	RMSB-04			RMSB-04			RMSB-04			RMSB-05			RMSB-05			RMSB-05		
		Sample Date	12/20/2007			12/20/2007			12/20/2007			12/20/2007			12/20/2007			12/20/2007		
		Depth	5 to 7 ft			21 to 23 ft			42 to 44 ft			0 to 1 ft			9 to 11 ft			21 to 23 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
Chloromethane	ug/Kg	980	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
Vinyl Chloride	ug/Kg	13.8	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
Bromomethane	ug/Kg	36	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
Chloroethane	ug/Kg	118000	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
Trichlorofluoromethane	ug/Kg	13800	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
1,1-Dichloroethene	ug/Kg	50	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
Acetone	ug/Kg	48000	12	U		14	U		12	U		43		#	12	U		16	U	
Carbon Disulfide	ug/Kg	4200	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
Methyl Acetate	ug/Kg	64000	6.1	U		6.9	U		5.9	U		3.5	J	#	5.6	U		6.5	U	
Methylene Chloride	ug/Kg	26	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
trans-1,2-Dichloroethene	ug/Kg	580	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
Methyl tert-Butyl Ether	ug/Kg	56	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
1,1-Dichloroethane	ug/Kg	13.6	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
cis-1,2-Dichloroethene	ug/Kg	420	6.1	U		6.9	U		5.9	U		5.6	U		2.3	J	#	14		#
2-Butanone	ug/Kg	20000	12	U		14	U		12	U		11	U		11	U		13	U	
Chlorobromomethane	ug/Kg	420	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
Chloroform	ug/Kg	290	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
Cyclohexane	ug/Kg	117000	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
Carbon Tetrachloride	ug/Kg	38	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
Benzene	ug/Kg	52	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
1,2-Dichloroethane	ug/Kg	28	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
1,4-Dioxane	ug/Kg	2.8	120	R		140	R		120	R		110	R		110	R		130	R	
Trichloroethene	ug/Kg	36	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		5	J	#

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		Sample Code	RMSB-04-B			RMSB-04-C			RMSB-04-D			RMSB-05-A			RMSB-05-B			RMSB-05-C		
		Location	RMSB-04			RMSB-04			RMSB-04			RMSB-05			RMSB-05			RMSB-05		
		Sample Date	12/20/2007			12/20/2007			12/20/2007			12/20/2007			12/20/2007			12/20/2007		
		Depth	5 to 7 ft			21 to 23 ft			42 to 44 ft			0 to 1 ft			9 to 11 ft			21 to 23 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
1,2-Dichloropropane	ug/Kg	34	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
Bromodichloromethane	ug/Kg	270	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
cis-1,3-Dichloropropene	ug/Kg	3	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
4-Methyl-2-pentanone	ug/Kg	4600	12	U		14	U		12	U		11	U		11	U		13	U	
Toluene	ug/Kg	13800	6.1	U		6.9	U		5.9	U		0.63	J	#	5.6	U		6.5	U	
trans-1,3-Dichloropropene	ug/Kg	3	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
1,1,2-Trichloroethane	ug/Kg	32	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
Tetrachloroethene	ug/Kg	46	6.1	U		9.1		#	5.9	U		5.6	U		5.6	U		34		#
2-Hexanone	ug/Kg	158	12	U		14	U		12	U		11	U		11	U		13	U	
Dibromochloromethane	ug/Kg	420	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
1,2-Dibromoethane	ug/Kg	0.28	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
Chlorobenzene	ug/Kg	1360	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
Ethylbenzene	ug/Kg	5400	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
o-Xylene	ug/Kg	3800	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
m,p-Xylene	ug/Kg	3600	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
Styrene	ug/Kg	2200	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
Bromoform	ug/Kg	420	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
Isopropylbenzene	ug/Kg	12800	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
1,4-Dichlorobenzene	ug/Kg	1440	0.83	J	#	1.7	J	#	1.1	J	#	1	J	#	0.66	J	#	1	J	#
1,2-Dichlorobenzene	ug/Kg	11600	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.1	U		6.9	U		5.9	U		5.6	U		5.6	U		6.5	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.1	UJ		6.9	UJ		5.9	UJ		5.6	UJ		5.6	UJ		6.5	UJ	
1,2,3-Trichlorobenzene	ug/Kg	300	6.1	UJ		6.9	UJ		5.9	UJ		5.6	UJ		5.6	UJ		6.5	UJ	
Semi-Volatile Organic Compounds																				

CCC - Soil Sample Results Full Table (Stage 1)
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		Sample Code	RMSB-04-B			RMSB-04-C			RMSB-04-D			RMSB-05-A			RMSB-05-B			RMSB-05-C		
		Location	RMSB-04			RMSB-04			RMSB-04			RMSB-05			RMSB-05			RMSB-05		
		Sample Date	12/20/2007			12/20/2007			12/20/2007			12/20/2007			12/20/2007			12/20/2007		
		Depth	5 to 7 ft			21 to 23 ft			42 to 44 ft			0 to 1 ft			9 to 11 ft			21 to 23 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/Kg	6600	250	U		250	U		250	U		240	U		240	U		260	U	
Phenol	ug/Kg	52000	250	U		250	U		250	U		240	U		240	U		260	U	
bis(2-Chloroethyl) ether	ug/Kg	0.06	250	U		250	U		250	U		240	U		240	U		260	U	
2-Chlorophenol	ug/Kg	1140	250	U		250	U		250	U		240	U		240	U		260	U	
2-Methylphenol	ug/Kg	11600	250	U		250	U		250	U		240	U		240	U		260	U	
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	250	U		250	U		250	U		240	U		240	U		260	U	
Acetophenone	ug/Kg	9000	250	U		250	U		250	U		240	U		240	U		260	U	
4-Methylphenol	ug/Kg	22000	250	U		250	U		250	U		240	U		240	U		260	U	
n-Nitroso-di-n-propylamine	ug/Kg	0.14	250	U		250	U		250	U		240	U		240	U		260	U	
Hexachloroethane	ug/Kg	9.6	250	U		250	U		250	U		240	U		240	U		260	U	
Nitrobenzene	ug/Kg	1.58	250	U		250	U		250	U		240	U		240	U		260	U	
Isophorone	ug/Kg	440	250	U		250	U		250	U		240	U		240	U		260	U	
2-Nitrophenol	ug/Kg	N/A	250	U		250	U		250	U		240	U		240	U		260	U	
2,4-Dimethylphenol	ug/Kg	6400	250	U		250	U		250	U		240	U		240	U		260	U	
bis(2-Chloroethoxy)methane	ug/Kg	220	250	U		250	U		250	U		240	U		240	U		260	U	
2,4-Dichlorophenol	ug/Kg	820	250	U		250	U		250	U		240	U		240	U		260	U	
Naphthalene	ug/Kg	9.4	250	U		250	U		250	U		240	U		240	U		260	U	
4-Chloroaniline	ug/Kg	2.6	250	U		250	U		250	U		240	U		240	U		260	U	
Hexachlorobutadiene	ug/Kg	10	250	U		250	U		250	U		240	U		240	U		260	U	
Caprolactam	ug/Kg	38000	250	U		250	UJ		250	UJ		240	U		240	UJ		260	UJ	
4-Chloro-3-methylphenol	ug/Kg	26000	250	U		250	U		250	U		240	U		240	U		260	U	
2-Methylnaphthalene	ug/Kg	2800	250	U		250	U		250	U		240	U		240	U		260	U	
Hexachlorocyclopentadiene	ug/Kg	3200	250	U		250	U		250	U		240	U		240	U		260	U	
2,4,6-Trichlorophenol	ug/Kg	260	250	U		250	U		250	U		240	U		240	U		260	U	
2,4,5-Trichlorophenol	ug/Kg	66000	250	U		250	U		250	U		240	U		240	U		260	U	
1,1'-Biphenyl	ug/Kg	174	250	U		250	UJ		250	UJ		240	U		240	UJ		260	UJ	
2-Chloronaphthalene	ug/Kg	58000	250	U		250	U		250	U		240	U		240	U		260	U	
2-Nitroaniline	ug/Kg	1240	480	U		490	U		490	U		470	U		460	U		500	U	

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		Sample Code	RMSB-04-B			RMSB-04-C			RMSB-04-D			RMSB-05-A			RMSB-05-B			RMSB-05-C		
		Location	RMSB-04			RMSB-04			RMSB-04			RMSB-05			RMSB-05			RMSB-05		
		Sample Date	12/20/2007			12/20/2007			12/20/2007			12/20/2007			12/20/2007			12/20/2007		
		Depth	5 to 7 ft			21 to 23 ft			42 to 44 ft			0 to 1 ft			9 to 11 ft			21 to 23 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Dimethylphthalate	ug/Kg	N/A	250	U		250	UJ		250	UJ		240	U		240	UJ		260	UJ	
2,6-Dinitrotoluene	ug/Kg	400	250	U		250	U		250	U		240	U		240	U		260	U	
Acenaphthylene	ug/Kg	N/A	250	U		250	U		250	U		240	U		240	U		260	U	
3-Nitroaniline	ug/Kg	N/A	480	U		490	U		490	U		470	U		460	U		500	U	
Acenaphthene	ug/Kg	82000	250	U		250	U		250	U		240	U		240	U		260	U	
2,4-Dinitrophenol	ug/Kg	680	480	U		490	U		490	U		470	U		460	U		500	U	
4-Nitrophenol	ug/Kg	N/A	480	U		490	U		490	U		470	U		460	U		500	U	
Dibenzofuran	ug/Kg	N/A	250	U		250	UJ		250	UJ		240	U		240	UJ		260	UJ	
2,4-Dinitrotoluene	ug/Kg	5.6	250	U		250	U		250	U		240	U		240	U		260	U	
Diethylphthalate	ug/Kg	94000	250	U		250	UJ		250	UJ		240	U		240	UJ		260	UJ	
Fluorene	ug/Kg	80000	250	U		250	UJ		250	UJ		240	U		240	UJ		260	UJ	
4-Chlorophenyl-phenylether	ug/Kg	N/A	250	U		250	UJ		250	UJ		240	U		240	UJ		260	UJ	
4-Nitroaniline	ug/Kg	28	480	U		490	U		490	U		470	U		460	U		500	U	
4,6-Dinitro-2-methylphenol	ug/Kg	40	480	U		490	U		490	U		470	U		460	U		500	U	
n-Nitrosodiphenylamine	ug/Kg	1140	250	U		250	U		250	U		240	U		240	U		260	U	
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	250	U		250	U		250	U		240	U		240	U		260	U	
4-Bromophenyl-phenylether	ug/Kg	N/A	250	U		250	UJ		250	UJ		240	U		240	UJ		260	UJ	
Hexachlorobenzene	ug/Kg	260	250	U		250	U		250	U		240	U		240	U		260	U	
Atrazine	ug/Kg	38	250	U		250	U		250	U		240	U		240	U		260	U	
Pentachlorophenol	ug/Kg	200	480	U		490	U		490	U		470	U		460	U		500	U	
Phenanthrene	ug/Kg	N/A	250	U		250	U		250	U		240	U		240	U		260	U	
Anthracene	ug/Kg	840000	250	U		250	U		250	U		240	U		240	U		260	U	
Carbazole	ug/Kg	N/A	250	U		250	UJ		250	UJ		240	U		240	UJ		260	UJ	
Di-n-butylphthalate	ug/Kg	34000	250	U		250	UJ		250	UJ		240	U		240	UJ		260	UJ	
Fluoranthene	ug/Kg	230000	250	UJ		250	UJ		250	UJ		240	U		240	UJ		260	UJ	
Pyrene	ug/Kg	170000	250	UJ		250	UJ		250	UJ		240	U		240	UJ		260	UJ	
Butylbenzylphthalate	ug/Kg	4000	250	U		250	UJ		250	UJ		240	U		240	UJ		260	UJ	
3,3'-Dichlorobenzidine	ug/Kg	14.2	250	U		250	U		250	U		240	U		240	U		260	U	

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		Sample Code	RMSB-04-B			RMSB-04-C			RMSB-04-D			RMSB-05-A			RMSB-05-B			RMSB-05-C		
		Location	RMSB-04			RMSB-04			RMSB-04			RMSB-05			RMSB-05			RMSB-05		
		Sample Date	12/20/2007			12/20/2007			12/20/2007			12/20/2007			12/20/2007			12/20/2007		
		Depth	5 to 7 ft			21 to 23 ft			42 to 44 ft			0 to 1 ft			9 to 11 ft			21 to 23 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzo(a)anthracene	ug/Kg	150	250	UJ		250	UJ		250	UJ		240	U		240	UJ		260	UJ	
Chrysene	ug/Kg	15000	250	UJ		250	UJ		250	UJ		240	U		240	UJ		260	UJ	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	250	U		250	UJ		250	UJ		240	U		240	UJ		260	UJ	
Di-n-octylphthalate	ug/Kg	N/A	250	U		250	UJ		250	UJ		240	U		240	UJ		260	UJ	
Benzo(b)fluoranthene	ug/Kg	150	250	U		250	UJ		250	U		240	U		240	UJ		260	UJ	
Benzo(k)fluoranthene	ug/Kg	1500	250	U		250	UJ		250	U		240	U		240	UJ		260	UJ	
Benzo(a)pyrene	ug/Kg	15	250	U		250	UJ		250	U		240	U		240	UJ		260	UJ	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	250	U		250	UJ		250	U		240	U		240	UJ		260	UJ	
Dibenz(a,h)anthracene	ug/Kg	15	250	U		250	UJ		250	U		240	U		240	UJ		260	UJ	
Benzo(g,h,i)perylene	ug/Kg	N/A	250	U		250	UJ		250	U		240	U		240	UJ		260	UJ	
Chlorophenols	ug/Kg	22000	250	U		250	U		250	U		240	U		240	U		260	U	
PCBs																				
Aroclor-1016	ug/Kg	390	48	U		49	U		49	U		46	U		46	U		50	U	
Aroclor-1221	ug/Kg	1.48	48	U		49	U		49	U		46	U		46	U		50	U	
Aroclor-1232	ug/Kg	1.48	48	U		49	U		49	U		46	U		46	U		50	U	
Aroclor-1242	ug/Kg	106	48	U		49	U		49	U		46	U		46	U		50	U	
Aroclor-1248	ug/Kg	104	48	U		49	U		49	U		46	U		46	U		50	U	
Aroclor-1254	ug/Kg	110	48	U		49	U		49	U		46	U		46	U		50	U	
Aroclor-1260	ug/Kg	220	48	U		49	U		49	U		46	U		46	U		50	U	
Aroclor-1262	ug/Kg	220	48	U		49	U		49	U		46	U		46	U		50	U	
Aroclor-1268	ug/Kg	220	48	U		49	U		49	U		46	U		46	U		50	U	
Pesticides																				
alpha-BHC	ug/Kg	0.72	2.5	U		2.5	U		2.5	U		2.4	U		2.4	U		2.6	U	
beta-BHC	ug/Kg	2.6	2.5	U		2.5	U		2.5	U		2.4	U		2.4	U		2.6	U	
delta-BHC	ug/Kg	N/A	2.5	U		2.5	U		2.5	U		2.4	U		2.4	U		2.6	U	
gamma-BHC (Lindane)	ug/Kg	24	2.5	U		2.5	U		2.5	U		2.4	U		2.4	U		2.6	U	

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		Sample Code	RMSB-04-B			RMSB-04-C			RMSB-04-D			RMSB-05-A			RMSB-05-B			RMSB-05-C		
		Location	RMSB-04			RMSB-04			RMSB-04			RMSB-05			RMSB-05			RMSB-05		
		Sample Date	12/20/2007			12/20/2007			12/20/2007			12/20/2007			12/20/2007			12/20/2007		
		Depth	5 to 7 ft			21 to 23 ft			42 to 44 ft			0 to 1 ft			9 to 11 ft			21 to 23 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Heptachlor	ug/Kg	110	2.5	U		2.5	U		2.5	U		2.4	U		2.4	U		2.6	U	
Aldrin	ug/Kg	0.68	2.5	U		2.5	U		2.5	U		2.4	U		2.4	U		2.6	U	
Heptachlor epoxide	ug/Kg	53	2.5	U		2.5	U		2.5	U		2.4	U		2.4	U		2.6	U	
Endosulfan I	ug/Kg	22000	2.5	U		2.5	U		2.5	U		2.4	U		6.7	U		2.6	U	
Dieldrin	ug/Kg	1.22	4.8	U		4.9	U		4.9	U		4.6	U		4.6	U		5	U	
4,4'-DDE	ug/Kg	920	4.8	U		4.9	U		4.9	U		4.6	U		4.6	U		5	U	
Endrin	ug/Kg	1620	4.8	U		4.9	U		4.9	U		4.6	U		4.6	U		5	U	
Endosulfan II	ug/Kg	22000	4.8	U		4.9	U		4.9	U		4.6	U		4.6	U		5	U	
4,4'-DDD	ug/Kg	1320	4.8	U		4.9	U		4.9	U		4.6	U		4.6	U		5	U	
Endosulfan sulfate	ug/Kg	22000	4.8	U		4.9	U		4.9	U		4.6	U		4.6	U		5	U	
4,4'-DDT	ug/Kg	1340	4.8	U		4.9	U		4.9	U		4.6	U		4.6	U		5	U	
Methoxychlor	ug/Kg	31000	25	U		25	U		25	U		24	U		24	U		26	U	
Endrin ketone	ug/Kg	1620	4.8	U		4.9	U		4.9	U		4.6	U		4.6	U		5	U	
Endrin aldehyde	ug/Kg	1620	4.8	U		4.9	U		4.9	U		4.6	U		4.6	U		5	U	
alpha-Chlordane	ug/Kg	1600	2.5	U		2.5	U		2.5	U		2.4	U		2.4	U		2.6	U	
gamma-Chlordane	ug/Kg	1600	2.5	U		2.5	U		2.5	U		2.4	U		2.4	U		2.6	U	
Toxaphene	ug/Kg	440	250	U		250	U		250	U		240	U		240	U		260	U	
Inorganic Analytes																				
Aluminum	mg/kg	7700	**9530**	J	A	**8440**	J	A	**16000**	J	A	**8860**	J	A	**8750**	J	A	**9770**	J	A
Antimony	mg/kg	3.1	2.1	U		2.2	U		2.3	U		2	U		2.2	U		2.3	U	
Arsenic	mg/kg	0.39	1.4	U		1.5	U		1.5	U		1.3	U		1.4	U		1.5	U	
Barium	mg/kg	1500	22.6	J	#	32.5		#	250	J	#	18.1	J	#	9.5	J	#	46.9	J	#
Beryllium	mg/kg	16	0.7	UJ		0.75	UJ		0.75	UJ		0.67	UJ		0.72	UJ		0.76	UJ	
Cadmium	mg/kg	7	1.9		#	1.3		#	2		#	2		#	2.2		#	1.8		#
Calcium	mg/kg	N/A	150	J	~	223	J	~	1050	J	~	302	J	~	58.6	J	~	47.6	J	~
Chromium	mg/kg	0.29	**9.8**	J	A	**8.5**	J	A	**13.8**	J	A	**10**	J	A	**12.7**	J	A	**10.7**	J	A
Cobalt	mg/kg	2.3	**7.4**	J	A	**9.4**	J	A	**26.7**	J	A	6.7	UJ		7.2	UJ		**17.3**	J	A

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		Sample Code	RMSB-04-B			RMSB-04-C			RMSB-04-D			RMSB-05-A			RMSB-05-B			RMSB-05-C		
		Location	RMSB-04			RMSB-04			RMSB-04			RMSB-05			RMSB-05			RMSB-05		
		Sample Date	12/20/2007			12/20/2007			12/20/2007			12/20/2007			12/20/2007			12/20/2007		
		Depth	5 to 7 ft			21 to 23 ft			42 to 44 ft			0 to 1 ft			9 to 11 ft			21 to 23 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Copper	mg/kg	310	76.1		#	70.2		#	58.2		#	55.3		#	77.8		#	96.8		#
Cyanide	mg/kg	4.7	0.56	J	#	0.67	J	#	0.48	J	#	1.5	J	#	0.48	J	#	0.54	J	#
Iron	mg/kg	5400	**36300**	J	A	**28600**	J	A	**33500**	J	A	**39000**	J	A	**43400**	J	A	**40500**	J	A
Lead	mg/kg	280	1.4	U		1.5	U		1.5	U		1.3	U		1.4	U		1.5	U	
Magnesium	mg/kg	N/A	539	J	~	1430	J	~	5600	J	~	412	J	~	431	J	~	882	J	~
Manganese	mg/kg	21	**165**	J	A	**181**	J	A	**1010**	J	A	**267**	J	A	**261**	J	A	**471**	J	A
Mercury	mg/kg	2	0.13	U		0.15	U		0.14	U		0.14	U		0.14	U		0.15	U	
Nickel	mg/kg	150	7.5	J	#	5.9	UJ		14.4	J	#	5.4	UJ		5.8	UJ		6.1	UJ	
Potassium	mg/kg	N/A	130	J	~	154	J	~	236	J	~	38.1	J	~	25.4	J	~	29.5	J	~
Selenium	mg/kg	5.2	4.8	UJ		5.2	UJ		5.3	UJ		4.7	UJ		5.1	UJ		5.3	UJ	
Silver	mg/kg	12	4.7	J	#	3.7	J	#	4.5	J	#	5.2	J	#	5.6	J	#	5.2	J	#
Sodium	mg/kg	N/A	209	J	~	218	J	~	254	J	~	202	J	~	200	J	~	191	J	~
Thallium	mg/kg	0.08	0.34	U		0.37	U		0.38	U		0.34	U		0.36	U		0.38	U	
Vanadium	mg/kg	39	**143**	J	A	**105**	J	A	**113**	J	A	**157**	J	A	**177**	J	A	**186**	J	A
Zinc	mg/kg	2300	33	J	#	41.8	J	#	161	J	#	32.8	J	#	40	J	#	48.3	J	#
Additional Parameters																				
% GRANULE & LARGER >2 MM	%	N/A	0		~													0		~
% VERY COURSE SAND >1 - 2 MM	%	N/A	0		~													0		~
% COARSE SAND >.5 - 1 MM	%	N/A	2		~													0		~
% MEDIUM SAND >.25 - .5 MM	%	N/A	3		~													1		~
% FINE SAND >.125 - .25 MM	%	N/A	3		~													2		~
% VERY FINE SAND >.0625 - .125 MM	%	N/A	3		~													3		~
% SILT	%	N/A	35		~													66		~
% CLAY & COLLOIDS	%	N/A	55		~													28		~
pH	s.u.	N/A	6		~													6		~
Total Organic Carbon	mg/Kg	N/A	1500		~													430	J	~

Notes:
Highlight indicates exceedance

Q - Qualifier

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Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-04-B			RMSB-04-C			RMSB-04-D			RMSB-05-A			RMSB-05-B			RMSB-05-C		
		Location	RMSB-04			RMSB-04			RMSB-04			RMSB-05			RMSB-05			RMSB-05		
		Sample Date	12/20/2007			12/20/2007			12/20/2007			12/20/2007			12/20/2007			12/20/2007		
		Depth	5 to 7 ft			21 to 23 ft			42 to 44 ft			0 to 1 ft			9 to 11 ft			21 to 23 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

SC - Site Specific Screening Criteria
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

C - Comparison Flag

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

CCC - Soil Sample Results Full Table (Stage 1)
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		Sample Code	RMSB-05-D			RMSB-06-A			RMSB-06-B			RMSB-07-A			RMSB-07-B			RMSB-07-C		
		Location	RMSB-05			RMSB-06			RMSB-06			RMSB-07			RMSB-07			RMSB-07		
		Sample Date	12/20/2007			12/20/2007			12/20/2007			12/19/2007			12/19/2007			12/19/2007		
		Depth	62 to 64 ft			0 to 1 ft			17 to 19 ft			0 to 1 ft			5 to 8 ft			21 to 23 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
Chloromethane	ug/Kg	980	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
Vinyl Chloride	ug/Kg	13.8	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
Bromomethane	ug/Kg	36	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
Chloroethane	ug/Kg	118000	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
Trichlorofluoromethane	ug/Kg	13800	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
1,1-Dichloroethene	ug/Kg	50	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
Acetone	ug/Kg	48000	14	U		950	U		860	U		59		#	13	U		21	U	
Carbon Disulfide	ug/Kg	4200	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
Methyl Acetate	ug/Kg	64000	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
Methylene Chloride	ug/Kg	26	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
trans-1,2-Dichloroethene	ug/Kg	580	5.3	U		480	U		430	U		1.4	J	#	6.4	U		7.9	U	
Methyl tert-Butyl Ether	ug/Kg	56	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
1,1-Dichloroethane	ug/Kg	13.6	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
cis-1,2-Dichloroethene	ug/Kg	420	16		#	480	U		430	U		4.4	J	#	6.4	U		2.7	J	#
2-Butanone	ug/Kg	20000	11	U		950	U		860	U		9.5	J	#	13	U		16	U	
Chlorobromomethane	ug/Kg	420	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
Chloroform	ug/Kg	290	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
1,1,1-Trichloroethane	ug/Kg	1400	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
Cyclohexane	ug/Kg	117000	5.3	U		480	UJ		430	U		6.6	U		6.4	U		7.9	U	
Carbon Tetrachloride	ug/Kg	38	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
Benzene	ug/Kg	52	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
1,2-Dichloroethane	ug/Kg	28	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
1,4-Dioxane	ug/Kg	2.8	110	R		9500	R		8600	R		130	R		130	R		160	R	
Trichloroethene	ug/Kg	36	8.9		#	480	U		430	U		3.9	J	#	1.9	J	#	7.9	U	

CCC - Soil Sample Results Full Table (Stage 1)
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		Sample Code	RMSB-05-D			RMSB-06-A			RMSB-06-B			RMSB-07-A			RMSB-07-B			RMSB-07-C		
		Location	RMSB-05			RMSB-06			RMSB-06			RMSB-07			RMSB-07			RMSB-07		
		Sample Date	12/20/2007			12/20/2007			12/20/2007			12/19/2007			12/19/2007			12/19/2007		
		Depth	62 to 64 ft			0 to 1 ft			17 to 19 ft			0 to 1 ft			5 to 8 ft			21 to 23 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	5.3	U		480	UJ		430	U		6.6	U		6.4	U		7.9	U	
1,2-Dichloropropane	ug/Kg	34	5.3	U		480	UJ		430	U		6.6	U		6.4	U		7.9	U	
Bromodichloromethane	ug/Kg	270	5.3	U		480	UJ		430	U		6.6	U		6.4	U		7.9	U	
cis-1,3-Dichloropropene	ug/Kg	3	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
4-Methyl-2-pentanone	ug/Kg	4600	11	U		950	U		860	U		13	U		13	U		16	U	
Toluene	ug/Kg	13800	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
trans-1,3-Dichloropropene	ug/Kg	3	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
1,1,2-Trichloroethane	ug/Kg	32	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
Tetrachloroethene	ug/Kg	46	**110**		A	**1900**		A	**3800**		A	6.6	U		6.4	U		7.9	U	
2-Hexanone	ug/Kg	158	11	U		950	U		860	U		13	U		13	U		16	U	
Dibromochloromethane	ug/Kg	420	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
1,2-Dibromoethane	ug/Kg	0.28	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
Chlorobenzene	ug/Kg	1360	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
Ethylbenzene	ug/Kg	5400	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
o-Xylene	ug/Kg	3800	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
m,p-Xylene	ug/Kg	3600	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
Styrene	ug/Kg	2200	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
Bromoform	ug/Kg	420	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
Isopropylbenzene	ug/Kg	12800	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
1,3-Dichlorobenzene	ug/Kg	N/A	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
1,4-Dichlorobenzene	ug/Kg	1440	0.73	J	#	480	U		430	U		1.6	J	#	1.3	J	#	1.2	J	#
1,2-Dichlorobenzene	ug/Kg	11600	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	5.3	U		480	U		430	U		6.6	U		6.4	U		7.9	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	5.3	UJ		480	U		430	U		6.6	U		6.4	U		7.9	U	
1,2,3-Trichlorobenzene	ug/Kg	300	5.3	UJ		480	U		430	U		6.6	U		6.4	U		7.9	U	
Semi-Volatile Organic Compounds																				

CCC - Soil Sample Results Full Table (Stage 1)
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		Sample Code	RMSB-05-D			RMSB-06-A			RMSB-06-B			RMSB-07-A			RMSB-07-B			RMSB-07-C		
		Location	RMSB-05			RMSB-06			RMSB-06			RMSB-07			RMSB-07			RMSB-07		
		Sample Date	12/20/2007			12/20/2007			12/20/2007			12/19/2007			12/19/2007			12/19/2007		
		Depth	62 to 64 ft			0 to 1 ft			17 to 19 ft			0 to 1 ft			5 to 8 ft			21 to 23 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/Kg	6600	240	U		250	U		240	U		250	U		230	U		240	U	
Phenol	ug/Kg	52000	240	U		250	U		240	U		250	U		230	U		240	U	
bis(2-Chloroethyl) ether	ug/Kg	0.06	240	U		250	U		240	U		250	U		230	U		240	U	
2-Chlorophenol	ug/Kg	1140	240	U		250	U		240	U		250	U		230	U		240	U	
2-Methylphenol	ug/Kg	11600	240	U		250	U		240	U		250	U		230	U		240	U	
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	240	U		250	U		240	U		250	U		230	U		240	U	
Acetophenone	ug/Kg	9000	240	U		250	U		43	J	#	250	U		230	U		240	U	
4-Methylphenol	ug/Kg	22000	240	U		250	U		240	U		250	U		230	U		240	U	
n-Nitroso-di-n-propylamine	ug/Kg	0.14	240	U		250	U		240	U		250	U		230	U		240	U	
Hexachloroethane	ug/Kg	9.6	240	U		250	U		240	U		250	U		230	U		240	U	
Nitrobenzene	ug/Kg	1.58	240	U		250	UJ		240	UJ		250	UJ		230	UJ		240	UJ	
Isophorone	ug/Kg	440	240	U		250	U		240	U		250	U		230	U		240	U	
2-Nitrophenol	ug/Kg	N/A	240	U		250	U		240	U		250	U		230	U		240	U	
2,4-Dimethylphenol	ug/Kg	6400	240	U		250	U		240	U		250	U		230	U		240	U	
bis(2-Chloroethoxy)methane	ug/Kg	220	240	U		250	U		240	U		250	U		230	U		240	U	
2,4-Dichlorophenol	ug/Kg	820	240	U		250	U		240	U		250	U		230	U		240	U	
Naphthalene	ug/Kg	9.4	240	U		250	U		240	U		250	U		230	U		240	U	
4-Chloroaniline	ug/Kg	2.6	240	U		250	U		240	U		250	U		230	U		240	U	
Hexachlorobutadiene	ug/Kg	10	240	U		250	U		240	U		250	U		230	U		240	U	
Caprolactam	ug/Kg	38000	240	UJ		250	UJ		240	UJ		250	UJ		230	UJ		240	U	
4-Chloro-3-methylphenol	ug/Kg	26000	240	U		250	U		240	U		250	U		230	U		240	U	
2-Methylnaphthalene	ug/Kg	2800	240	U		250	U		240	U		250	U		230	U		240	U	
Hexachlorocyclopentadiene	ug/Kg	3200	240	U		250	U		240	U		250	U		230	U		240	U	
2,4,6-Trichlorophenol	ug/Kg	260	240	U		250	U		240	U		250	U		230	U		240	U	
2,4,5-Trichlorophenol	ug/Kg	66000	240	U		250	U		240	U		250	U		230	U		240	U	
1,1'-Biphenyl	ug/Kg	174	240	UJ		250	UJ		240	UJ		250	UJ		230	UJ		240	U	
2-Chloronaphthalene	ug/Kg	58000	240	U		250	U		240	U		250	U		230	U		240	U	
2-Nitroaniline	ug/Kg	1240	460	U		490	U		470	U		490	U		450	U		470	U	

CCC - Soil Sample Results Full Table (Stage 1)
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		Sample Code	RMSB-05-D			RMSB-06-A			RMSB-06-B			RMSB-07-A			RMSB-07-B			RMSB-07-C		
		Location	RMSB-05			RMSB-06			RMSB-06			RMSB-07			RMSB-07			RMSB-07		
		Sample Date	12/20/2007			12/20/2007			12/20/2007			12/19/2007			12/19/2007			12/19/2007		
		Depth	62 to 64 ft			0 to 1 ft			17 to 19 ft			0 to 1 ft			5 to 8 ft			21 to 23 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Dimethylphthalate	ug/Kg	N/A	240	UJ		250	UJ		240	UJ		250	UJ		230	UJ		240	U	
2,6-Dinitrotoluene	ug/Kg	400	240	U		250	U		240	U		250	U		230	U		240	U	
Acenaphthylene	ug/Kg	N/A	240	U		250	U		240	U		250	U		230	U		240	U	
3-Nitroaniline	ug/Kg	N/A	460	U		490	U		470	U		490	U		450	U		470	U	
Acenaphthene	ug/Kg	82000	240	U		250	U		240	U		250	U		230	U		240	U	
2,4-Dinitrophenol	ug/Kg	680	460	U		490	U		470	U		490	U		450	U		470	U	
4-Nitrophenol	ug/Kg	N/A	460	U		490	U		470	U		490	U		450	U		470	U	
Dibenzofuran	ug/Kg	N/A	240	UJ		250	UJ		240	UJ		250	UJ		230	UJ		240	U	
2,4-Dinitrotoluene	ug/Kg	5.6	240	U		250	U		240	U		250	U		230	U		240	U	
Diethylphthalate	ug/Kg	94000	240	UJ		250	UJ		240	UJ		250	UJ		230	UJ		240	U	
Fluorene	ug/Kg	80000	240	UJ		250	UJ		240	UJ		250	UJ		230	UJ		240	U	
4-Chlorophenyl-phenylether	ug/Kg	N/A	240	UJ		250	UJ		240	UJ		250	UJ		230	UJ		240	U	
4-Nitroaniline	ug/Kg	28	460	U		490	U		470	U		490	U		450	U		470	U	
4,6-Dinitro-2-methylphenol	ug/Kg	40	460	U		490	U		470	U		490	U		450	U		470	U	
n-Nitrosodiphenylamine	ug/Kg	1140	240	U		250	U		240	U		250	U		230	U		240	U	
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	240	U		250	U		240	U		250	U		230	U		240	U	
4-Bromophenyl-phenylether	ug/Kg	N/A	240	UJ		250	UJ		240	UJ		250	UJ		230	UJ		240	U	
Hexachlorobenzene	ug/Kg	260	240	U		250	U		240	U		250	U		230	U		240	U	
Atrazine	ug/Kg	38	240	U		250	U		240	U		250	U		230	U		240	U	
Pentachlorophenol	ug/Kg	200	460	U		490	U		470	U		490	U		450	U		470	U	
Phenanthrene	ug/Kg	N/A	240	U		250	U		240	U		250	U		230	U		240	U	
Anthracene	ug/Kg	840000	240	U		250	U		240	U		250	U		230	U		240	U	
Carbazole	ug/Kg	N/A	240	UJ		250	UJ		240	UJ		250	UJ		230	UJ		240	U	
Di-n-butylphthalate	ug/Kg	34000	240	UJ		250	UJ		240	UJ		250	UJ		230	UJ		240	U	
Fluoranthene	ug/Kg	230000	240	UJ		250	UJ		240	UJ		250	UJ		230	UJ		240	UJ	
Pyrene	ug/Kg	170000	240	UJ		250	UJ		240	UJ		250	UJ		230	UJ		240	UJ	
Butylbenzylphthalate	ug/Kg	4000	240	UJ		250	UJ		240	UJ		250	UJ		230	UJ		240	U	
3,3'-Dichlorobenzidine	ug/Kg	14.2	240	U		250	U		240	U		250	U		230	U		240	U	

CCC - Soil Sample Results Full Table (Stage 1)
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		Sample Code	RMSB-05-D			RMSB-06-A			RMSB-06-B			RMSB-07-A			RMSB-07-B			RMSB-07-C		
		Location	RMSB-05			RMSB-06			RMSB-06			RMSB-07			RMSB-07			RMSB-07		
		Sample Date	12/20/2007			12/20/2007			12/20/2007			12/19/2007			12/19/2007			12/19/2007		
		Depth	62 to 64 ft			0 to 1 ft			17 to 19 ft			0 to 1 ft			5 to 8 ft			21 to 23 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzo(a)anthracene	ug/Kg	150	240	UJ		250	UJ		240	UJ		250	UJ		230	UJ		240	UJ	
Chrysene	ug/Kg	15000	240	UJ		250	UJ		240	UJ		250	UJ		230	UJ		240	UJ	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	240	UJ		250	UJ		1200	J	#	250	UJ		230	UJ		240	U	
Di-n-octylphthalate	ug/Kg	N/A	240	UJ		250	UJ		240	UJ		250	UJ		230	UJ		240	U	
Benzo(b)fluoranthene	ug/Kg	150	240	UJ		250	UJ		240	UJ		250	UJ		230	UJ		240	UJ	
Benzo(k)fluoranthene	ug/Kg	1500	240	UJ		250	UJ		240	UJ		250	UJ		230	UJ		240	UJ	
Benzo(a)pyrene	ug/Kg	15	240	UJ		250	UJ		240	UJ		250	UJ		230	UJ		240	UJ	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	240	UJ		250	UJ		240	UJ		250	UJ		230	UJ		240	UJ	
Dibenz(a,h)anthracene	ug/Kg	15	240	UJ		250	UJ		240	UJ		250	UJ		230	UJ		240	UJ	
Benzo(g,h,i)perylene	ug/Kg	N/A	240	UJ		250	UJ		240	UJ		250	UJ		230	UJ		240	UJ	
Chlorophenols	ug/Kg	22000	240	U		250	U		240	U		250	U		230	U		240	U	
PCBs																				
Aroclor-1016	ug/Kg	390	46	U		49	U		47	U		49	U		45	U		47	U	
Aroclor-1221	ug/Kg	1.48	46	U		49	U		47	U		49	U		45	U		47	U	
Aroclor-1232	ug/Kg	1.48	46	U		49	U		47	U		49	U		45	U		47	U	
Aroclor-1242	ug/Kg	106	46	U		49	U		47	U		49	U		45	U		47	U	
Aroclor-1248	ug/Kg	104	46	U		49	U		47	U		49	U		45	U		47	U	
Aroclor-1254	ug/Kg	110	46	U		49	U		47	U		49	U		45	U		47	U	
Aroclor-1260	ug/Kg	220	46	U		49	U		47	U		49	U		45	U		47	U	
Aroclor-1262	ug/Kg	220	46	U		49	U		47	U		49	U		45	U		47	U	
Aroclor-1268	ug/Kg	220	46	U		49	U		47	U		49	U		45	U		47	U	
Pesticides																				
alpha-BHC	ug/Kg	0.72	2.4	U		2.5	U		2.4	U		2.5	UJ		2.3	U		2.4	U	
beta-BHC	ug/Kg	2.6	2.4	U		2.5	U		2.4	U		2.5	UJ		2.3	U		2.4	U	
delta-BHC	ug/Kg	N/A	2.4	U		2.5	U		2.4	U		2.5	UJ		2.3	U		2.4	U	
gamma-BHC (Lindane)	ug/Kg	24	2.4	U		2.5	U		2.4	U		2.5	UJ		2.3	U		2.4	U	

CCC - Soil Sample Results Full Table (Stage 1)
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		Sample Code	RMSB-05-D			RMSB-06-A			RMSB-06-B			RMSB-07-A			RMSB-07-B			RMSB-07-C		
		Location	RMSB-05			RMSB-06			RMSB-06			RMSB-07			RMSB-07			RMSB-07		
		Sample Date	12/20/2007			12/20/2007			12/20/2007			12/19/2007			12/19/2007			12/19/2007		
		Depth	62 to 64 ft			0 to 1 ft			17 to 19 ft			0 to 1 ft			5 to 8 ft			21 to 23 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Heptachlor	ug/Kg	110	2.4	U		2.5	U		2.4	U		2.5	UJ		2.3	U		2.4	U	
Aldrin	ug/Kg	0.68	2.4	U		2.5	U		2.4	U		2.5	UJ		2.3	U		2.4	U	
Heptachlor epoxide	ug/Kg	53	2.4	U		2.5	U		2.4	U		2.5	UJ		2.3	U		2.4	U	
Endosulfan I	ug/Kg	22000	2.4	U		2.5	U		0.58	J	#	1.4	J	#	2.3	U		2.4	U	
Dieldrin	ug/Kg	1.22	4.6	U		4.9	U		4.7	U		4.9	UJ		4.5	U		4.7	U	
4,4'-DDE	ug/Kg	920	4.6	U		4.9	U		4.7	U		4.9	UJ		4.5	U		4.7	U	
Endrin	ug/Kg	1620	4.6	U		4.9	U		4.7	U		4.9	UJ		4.5	U		4.7	U	
Endosulfan II	ug/Kg	22000	4.6	U		4.9	U		4.7	U		4.9	UJ		4.5	U		4.7	U	
4,4'-DDD	ug/Kg	1320	4.6	U		4.9	U		4.7	U		4.9	UJ		4.5	U		4.7	U	
Endosulfan sulfate	ug/Kg	22000	4.6	U		4.9	U		4.7	U		4.9	UJ		4.5	U		4.7	U	
4,4'-DDT	ug/Kg	1340	4.6	U		4.9	U		4.7	U		4.9	UJ		4.5	U		4.7	U	
Methoxychlor	ug/Kg	31000	24	U		25	U		24	U		25	UJ		23	U		24	U	
Endrin ketone	ug/Kg	1620	4.6	U		4.9	U		4.7	U		4.9	UJ		4.5	U		4.7	U	
Endrin aldehyde	ug/Kg	1620	4.6	U		4.9	U		4.7	U		4.9	UJ		4.5	U		4.7	U	
alpha-Chlordane	ug/Kg	1600	2.4	U		2.5	U		2.4	U		2.5	UJ		2.3	U		2.4	U	
gamma-Chlordane	ug/Kg	1600	2.4	U		2.9		#	2.4	U		2.5	UJ		2.3	U		2.4	U	
Toxaphene	ug/Kg	440	240	U		250	U		240	U		250	UJ		230	U		240	U	
Inorganic Analytes																				
Aluminum	mg/kg	7700	**29900**	J	A	**9550**	J	A	**10100**	J	A	**9390**	J	A	**12300**	J	A	**13400**	J	A
Antimony	mg/kg	3.1	2.1	U		2.2	U		2.1	U		9.5	U		8.5	U		10.5	U	
Arsenic	mg/kg	0.39	1.4	U		1.5	U		**1.4**	U		1.6	U		1.4	U		1.7	U	
Barium	mg/kg	1500	526	J	#	9.5	J	#	19.3	J	#	32	U		41.8		#	156		#
Beryllium	mg/kg	16	0.71	UJ		0.73	UJ		0.71	UJ		0.79	UJ		0.71	UJ		0.94	J	#
Cadmium	mg/kg	7	4.6		#	1.5		#	1.6		#	2.1		#	2.4		#	2		#
Calcium	mg/kg	N/A	2980	J	~	398	J	~	392	J	~	459	J	~	110	J	~	497	J	~
Chromium	mg/kg	0.29	**18.6**	J	A	**15**	J	A	**15**	J	A	**25.4**		A	**10.2**		A	**8.1**		A
Cobalt	mg/kg	2.3	**28.8**	J	A	**9.3**	J	A	**10.9**	J	A	7.9	UJ		7.1	UJ		**64.6**	J	A

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		Sample Code	RMSB-05-D			RMSB-06-A			RMSB-06-B			RMSB-07-A			RMSB-07-B			RMSB-07-C		
		Location	RMSB-05			RMSB-06			RMSB-06			RMSB-07			RMSB-07			RMSB-07		
		Sample Date	12/20/2007			12/20/2007			12/20/2007			12/19/2007			12/19/2007			12/19/2007		
		Depth	62 to 64 ft			0 to 1 ft			17 to 19 ft			0 to 1 ft			5 to 8 ft			21 to 23 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Copper	mg/kg	310	191		#	64.1		#	59.5		#	48.8		#	71.5		#	224		#
Cyanide	mg/kg	4.7	3.6	U		0.88	J	#	0.62	J	#	0.25	J	#	0.46	J	#	0.8	J	#
Iron	mg/kg	5400	**60700**	J	A	**39000**	J	A	**37600**	J	A	32900	R		38000	R		34700	R	
Lead	mg/kg	280	1.4	U		1.5	U		1.4	U		1.6	UJ		1.4	UJ		1.7	UJ	
Magnesium	mg/kg	N/A	11500	J	~	604	J	~	625	J	~	1060	J	~	942	J	~	3040	J	~
Manganese	mg/kg	21	**1420**	J	A	**500**	J	A	**449**	J	A	**237**	J	A	**261**	J	A	**1020**	J	A
Mercury	mg/kg	2	0.13	U		0.091	J	#	0.14	U		0.16	U		0.14	U		0.17	U	
Nickel	mg/kg	150	10.8	J	#	5.8	UJ		6.8	J	#	3.1	J	#	9.8		#	18		#
Potassium	mg/kg	N/A	778		~	94.8	J	~	97.4	J	~	115	J	~	210	J	~	225	J	~
Selenium	mg/kg	5.2	5	UJ		5.2	UJ		4.9	UJ		5.5	UJ		5	UJ		6.1	UJ	
Silver	mg/kg	12	7.9	J	#	5.1	J	#	5	J	#	4	J	#	4.7	J	#	4.5	J	#
Sodium	mg/kg	N/A	1020		~	330	J	~	304	J	~	359	J	~	241	J	~	240	J	~
Thallium	mg/kg	0.08	0.36	U		0.37	U		0.36	U		4	UJ		3.5	UJ		4.4	UJ	
Vanadium	mg/kg	39	**228**	J	A	**145**	J	A	**144**	J	A	**134**		A	**135**		A	**117**		A
Zinc	mg/kg	2300	167	J	#	40.5	J	#	38.7	J	#	21.5		#	32		#	77.2		#
Additional Parameters																				
% GRANULE & LARGER >2 MM	%	N/A							0		~				0		~			
% VERY COURSE SAND >1 - 2 MM	%	N/A							0		~				0		~			
% COARSE SAND >.5 - 1 MM	%	N/A							0		~				0		~			
% MEDIUM SAND >.25 - .5 MM	%	N/A							1		~				1		~			
% FINE SAND >.125 - .25 MM	%	N/A							2		~				4		~			
% VERY FINE SAND >.0625 - .125 MM	%	N/A							2		~				7		~			
% SILT	%	N/A							35		~				50		~			
% CLAY & COLLOIDS	%	N/A							61		~				37		~			
pH	s.u.	N/A							5		~				6		~			
Total Organic Carbon	mg/Kg	N/A							5700		~				1900		~			

Notes:
Highlight indicates exceedance

Q - Qualifier

CCC - Soil Sample Results Full Table (Stage 1)
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		Sample Code	RMSB-05-D			RMSB-06-A			RMSB-06-B			RMSB-07-A			RMSB-07-B			RMSB-07-C		
		Location	RMSB-05			RMSB-06			RMSB-06			RMSB-07			RMSB-07			RMSB-07		
		Sample Date	12/20/2007			12/20/2007			12/20/2007			12/19/2007			12/19/2007			12/19/2007		
		Depth	62 to 64 ft			0 to 1 ft			17 to 19 ft			0 to 1 ft			5 to 8 ft			21 to 23 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

SC - Site Specific Screening Criteria
C - Comparison Flag
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

CCC - Soil Sample Results Full Table (Stage 1)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-07-D			RMSB-08-A			RMSB-08-B			RMSB-08-C			RMSB-08-D			RMSB-09-A		
		Location	RMSB-07			RMSB-08			RMSB-08			RMSB-08			RMSB-08			RMSB-09		
		Sample Date	12/19/2007			12/19/2007			12/19/2007			12/19/2007			12/19/2007			12/19/2007		
		Depth	62 to 64 ft			0 to 2 ft			8 to 11 ft			21 to 23 ft			58 to 60 ft			0 to 1 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
Chloromethane	ug/Kg	980	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
Vinyl Chloride	ug/Kg	13.8	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
Bromomethane	ug/Kg	36	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
Chloroethane	ug/Kg	118000	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
Trichlorofluoromethane	ug/Kg	13800	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
1,1-Dichloroethene	ug/Kg	50	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
Acetone	ug/Kg	48000	13	U		11	U		14	U		15	U		19	U		12	U	
Carbon Disulfide	ug/Kg	4200	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
Methyl Acetate	ug/Kg	64000	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
Methylene Chloride	ug/Kg	26	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
trans-1,2-Dichloroethene	ug/Kg	580	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
Methyl tert-Butyl Ether	ug/Kg	56	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
1,1-Dichloroethane	ug/Kg	13.6	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
cis-1,2-Dichloroethene	ug/Kg	420	19		#	5.3	U		7.1	U		7.5	J	#	4.7	J	#	5	U	
2-Butanone	ug/Kg	20000	13	U		11	U		14	U		15	U		14	U		10	U	
Chlorobromomethane	ug/Kg	420	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
Chloroform	ug/Kg	290	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
Cyclohexane	ug/Kg	117000	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
Carbon Tetrachloride	ug/Kg	38	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
Benzene	ug/Kg	52	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
1,2-Dichloroethane	ug/Kg	28	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
1,4-Dioxane	ug/Kg	2.8	130	R		110	R		140	R		150	R		140	R		100	R	
Trichloroethene	ug/Kg	36	22		#	5.3	U		0.82	J	#	5	J	#	10		#	5	U	

CCC - Soil Sample Results Full Table (Stage 1)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-07-D			RMSB-08-A			RMSB-08-B			RMSB-08-C			RMSB-08-D			RMSB-09-A		
		Location	RMSB-07			RMSB-08			RMSB-08			RMSB-08			RMSB-08			RMSB-09		
		Sample Date	12/19/2007			12/19/2007			12/19/2007			12/19/2007			12/19/2007			12/19/2007		
		Depth	62 to 64 ft			0 to 2 ft			8 to 11 ft			21 to 23 ft			58 to 60 ft			0 to 1 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
1,2-Dichloropropane	ug/Kg	34	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
Bromodichloromethane	ug/Kg	270	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
cis-1,3-Dichloropropene	ug/Kg	3	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
4-Methyl-2-pentanone	ug/Kg	4600	13	U		11	U		14	U		15	U		14	U		10	U	
Toluene	ug/Kg	13800	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
trans-1,3-Dichloropropene	ug/Kg	3	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
1,1,2-Trichloroethane	ug/Kg	32	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
Tetrachloroethene	ug/Kg	46	**52**		A	5.3	U		7.1	U		11		#	20		#	5	U	
2-Hexanone	ug/Kg	158	13	U		11	U		14	U		15	U		14	U		10	U	
Dibromochloromethane	ug/Kg	420	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
1,2-Dibromoethane	ug/Kg	0.28	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
Chlorobenzene	ug/Kg	1360	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
Ethylbenzene	ug/Kg	5400	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
o-Xylene	ug/Kg	3800	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
m,p-Xylene	ug/Kg	3600	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
Styrene	ug/Kg	2200	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
Bromoform	ug/Kg	420	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
Isopropylbenzene	ug/Kg	12800	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
1,4-Dichlorobenzene	ug/Kg	1440	1.7	J	#	1.2	J	#	1.4	J	#	1.3	J	#	0.95	J	#	5	U	
1,2-Dichlorobenzene	ug/Kg	11600	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.5	U		5.3	U		7.1	U		7.6	U		7	U		5	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.5	U		5.3	UJ		7.1	U		7.6	U		7	U		5	U	
1,2,3-Trichlorobenzene	ug/Kg	300	6.5	U		5.3	UJ		7.1	U		7.6	U		7	U		5	U	
Semi-Volatile Organic Compounds																				

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		Sample Code	RMSB-07-D			RMSB-08-A			RMSB-08-B			RMSB-08-C			RMSB-08-D			RMSB-09-A		
		Location	RMSB-07			RMSB-08			RMSB-08			RMSB-08			RMSB-08			RMSB-09		
		Sample Date	12/19/2007			12/19/2007			12/19/2007			12/19/2007			12/19/2007			12/19/2007		
		Depth	62 to 64 ft			0 to 2 ft			8 to 11 ft			21 to 23 ft			58 to 60 ft			0 to 1 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/Kg	6600	240	U		250	U		240	U		240	U		250	U		210	U	
Phenol	ug/Kg	52000	240	U		250	U		240	U		240	U		250	U		210	U	
bis(2-Chloroethyl) ether	ug/Kg	0.06	240	U		250	U		240	U		240	U		250	U		210	U	
2-Chlorophenol	ug/Kg	1140	240	U		250	U		240	U		240	U		250	U		210	U	
2-Methylphenol	ug/Kg	11600	240	U		250	U		240	U		240	U		250	U		210	U	
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	240	U		250	U		240	U		240	U		250	U		210	U	
Acetophenone	ug/Kg	9000	240	U		250	U		240	U		240	U		250	U		210	U	
4-Methylphenol	ug/Kg	22000	240	U		250	U		240	U		240	U		250	U		210	U	
n-Nitroso-di-n-propylamine	ug/Kg	0.14	240	U		250	U		240	U		240	U		250	U		210	U	
Hexachloroethane	ug/Kg	9.6	240	U		250	U		240	U		240	U		250	U		210	U	
Nitrobenzene	ug/Kg	1.58	240	UJ		250	UJ		240	UJ		240	UJ		250	UJ		210	UJ	
Isophorone	ug/Kg	440	240	U		250	U		240	U		240	U		250	U		210	U	
2-Nitrophenol	ug/Kg	N/A	240	U		250	U		240	U		240	U		250	U		210	U	
2,4-Dimethylphenol	ug/Kg	6400	240	U		250	U		240	U		240	U		250	U		210	U	
bis(2-Chloroethoxy)methane	ug/Kg	220	240	U		250	U		240	U		240	U		250	U		210	U	
2,4-Dichlorophenol	ug/Kg	820	240	U		250	U		240	U		240	U		250	U		210	U	
Naphthalene	ug/Kg	9.4	240	U		250	U		240	U		240	U		250	U		210	U	
4-Chloroaniline	ug/Kg	2.6	240	U		250	U		240	U		240	U		250	U		210	U	
Hexachlorobutadiene	ug/Kg	10	240	U		250	U		240	U		240	U		250	U		210	U	
Caprolactam	ug/Kg	38000	240	U		250	U		240	U		240	U		250	UJ		210	UJ	
4-Chloro-3-methylphenol	ug/Kg	26000	240	U		250	U		240	U		240	U		250	U		210	U	
2-Methylnaphthalene	ug/Kg	2800	240	U		250	U		240	U		240	U		250	U		210	U	
Hexachlorocyclopentadiene	ug/Kg	3200	240	U		250	U		240	U		240	U		250	U		210	U	
2,4,6-Trichlorophenol	ug/Kg	260	240	U		250	U		240	U		240	U		250	U		210	U	
2,4,5-Trichlorophenol	ug/Kg	66000	240	U		250	U		240	U		240	U		250	U		210	U	
1,1'-Biphenyl	ug/Kg	174	240	U		250	U		240	U		240	U		250	UJ		210	UJ	
2-Chloronaphthalene	ug/Kg	58000	240	U		250	U		240	U		240	U		250	U		210	U	
2-Nitroaniline	ug/Kg	1240	460	U		480	U		470	U		470	U		480	U		400	U	

CCC - Soil Sample Results Full Table (Stage 1)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-07-D			RMSB-08-A			RMSB-08-B			RMSB-08-C			RMSB-08-D			RMSB-09-A		
		Location	RMSB-07			RMSB-08			RMSB-08			RMSB-08			RMSB-08			RMSB-09		
		Sample Date	12/19/2007			12/19/2007			12/19/2007			12/19/2007			12/19/2007			12/19/2007		
		Depth	62 to 64 ft			0 to 2 ft			8 to 11 ft			21 to 23 ft			58 to 60 ft			0 to 1 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Dimethylphthalate	ug/Kg	N/A	240	U		250	U		240	U		240	U		250	UJ		210	UJ	
2,6-Dinitrotoluene	ug/Kg	400	240	U		250	U		240	U		240	U		250	U		210	U	
Acenaphthylene	ug/Kg	N/A	240	U		250	U		240	U		240	U		250	U		210	U	
3-Nitroaniline	ug/Kg	N/A	460	U		480	U		470	U		470	U		480	U		400	U	
Acenaphthene	ug/Kg	82000	240	U		250	U		240	U		240	U		250	U		210	U	
2,4-Dinitrophenol	ug/Kg	680	460	U		480	U		470	U		470	U		480	U		400	U	
4-Nitrophenol	ug/Kg	N/A	460	U		480	U		470	U		470	U		480	U		400	U	
Dibenzofuran	ug/Kg	N/A	240	U		250	U		240	U		240	U		250	UJ		210	UJ	
2,4-Dinitrotoluene	ug/Kg	5.6	240	U		250	U		240	U		240	U		250	U		210	U	
Diethylphthalate	ug/Kg	94000	240	U		250	U		240	U		240	U		250	UJ		210	UJ	
Fluorene	ug/Kg	80000	240	U		250	U		240	U		240	U		250	UJ		210	UJ	
4-Chlorophenyl-phenylether	ug/Kg	N/A	240	U		250	U		240	U		240	U		250	UJ		210	UJ	
4-Nitroaniline	ug/Kg	28	460	U		480	U		470	U		470	U		480	U		400	U	
4,6-Dinitro-2-methylphenol	ug/Kg	40	460	U		480	U		470	U		470	U		480	U		400	U	
n-Nitrosodiphenylamine	ug/Kg	1140	240	U		250	U		240	U		240	U		250	U		210	U	
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	240	U		250	U		240	U		240	U		250	U		210	U	
4-Bromophenyl-phenylether	ug/Kg	N/A	240	U		250	U		240	U		240	U		250	UJ		210	UJ	
Hexachlorobenzene	ug/Kg	260	240	U		250	U		240	U		240	U		250	U		210	U	
Atrazine	ug/Kg	38	240	U		250	U		240	U		240	U		250	U		210	U	
Pentachlorophenol	ug/Kg	200	460	U		480	U		470	U		470	U		480	U		400	U	
Phenanthrene	ug/Kg	N/A	240	U		250	U		240	U		240	U		250	U		210	U	
Anthracene	ug/Kg	840000	240	U		250	U		240	U		240	U		250	U		210	U	
Carbazole	ug/Kg	N/A	240	U		250	U		240	U		240	U		250	UJ		210	UJ	
Di-n-butylphthalate	ug/Kg	34000	240	U		250	U		240	U		240	U		250	UJ		210	UJ	
Fluoranthene	ug/Kg	230000	240	UJ		250	UJ		240	UJ		240	UJ		250	UJ		210	UJ	
Pyrene	ug/Kg	170000	240	UJ		250	UJ		240	UJ		240	UJ		250	UJ		210	UJ	
Butylbenzylphthalate	ug/Kg	4000	240	U		250	U		240	U		240	U		250	UJ		210	UJ	
3,3'-Dichlorobenzidine	ug/Kg	14.2	240	U		250	U		240	U		240	U		250	U		210	U	

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		Sample Code	RMSB-07-D			RMSB-08-A			RMSB-08-B			RMSB-08-C			RMSB-08-D			RMSB-09-A		
		Location	RMSB-07			RMSB-08			RMSB-08			RMSB-08			RMSB-08			RMSB-09		
		Sample Date	12/19/2007			12/19/2007			12/19/2007			12/19/2007			12/19/2007			12/19/2007		
		Depth	62 to 64 ft			0 to 2 ft			8 to 11 ft			21 to 23 ft			58 to 60 ft			0 to 1 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzo(a)anthracene	ug/Kg	150	240	UJ		250	UJ		240	UJ		240	UJ		250	UJ		210	UJ	
Chrysene	ug/Kg	15000	240	UJ		250	UJ		240	UJ		240	UJ		250	UJ		210	UJ	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	240	U		250	U		240	U		240	U		250	UJ		210	UJ	
Di-n-octylphthalate	ug/Kg	N/A	240	U		250	U		240	U		240	U		250	UJ		210	UJ	
Benzo(b)fluoranthene	ug/Kg	150	240	UJ		250	U		240	UJ		240	UJ		250	UJ		210	UJ	
Benzo(k)fluoranthene	ug/Kg	1500	240	UJ		250	U		240	UJ		240	UJ		250	UJ		210	UJ	
Benzo(a)pyrene	ug/Kg	15	240	UJ		250	U		240	UJ		240	UJ		250	UJ		210	UJ	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	240	UJ		250	U		240	UJ		240	UJ		250	UJ		210	UJ	
Dibenz(a,h)anthracene	ug/Kg	15	240	UJ		250	U		240	UJ		240	UJ		250	UJ		210	UJ	
Benzo(g,h,i)perylene	ug/Kg	N/A	240	UJ		250	U		240	UJ		240	UJ		250	UJ		210	UJ	
Chlorophenols	ug/Kg	22000	240	U		250	U		240	U		240	U		250	U		210	U	
PCBs																				
Aroclor-1016	ug/Kg	390	46	U		48	U		46	U		46	U		48	U		40	U	
Aroclor-1221	ug/Kg	1.48	46	U		48	U		46	U		46	U		48	U		40	U	
Aroclor-1232	ug/Kg	1.48	46	U		48	U		46	U		46	U		48	U		40	U	
Aroclor-1242	ug/Kg	106	46	U		48	U		46	U		46	U		48	U		40	U	
Aroclor-1248	ug/Kg	104	46	U		48	U		46	U		46	U		48	U		40	U	
Aroclor-1254	ug/Kg	110	46	U		48	U		46	U		46	U		48	U		40	U	
Aroclor-1260	ug/Kg	220	46	U		48	U		46	U		46	U		48	U		40	U	
Aroclor-1262	ug/Kg	220	46	U		48	U		46	U		46	U		48	U		40	U	
Aroclor-1268	ug/Kg	220	46	U		48	U		46	U		46	U		48	U		40	U	
Pesticides																				
alpha-BHC	ug/Kg	0.72	2.4	U		2.5	U		2.4	U		2.4	U		2.5	U		2.1	U	
beta-BHC	ug/Kg	2.6	2.4	U		2.5	U		2.4	U		2.4	U		2.5	U		2.1	U	
delta-BHC	ug/Kg	N/A	2.4	U		2.5	U		2.4	U		2.4	U		2.5	U		2.1	U	
gamma-BHC (Lindane)	ug/Kg	24	2.4	U		2.5	U		2.4	U		2.4	U		2.5	U		2.1	U	

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		Sample Code	RMSB-07-D			RMSB-08-A			RMSB-08-B			RMSB-08-C			RMSB-08-D			RMSB-09-A		
		Location	RMSB-07			RMSB-08			RMSB-08			RMSB-08			RMSB-08			RMSB-09		
		Sample Date	12/19/2007			12/19/2007			12/19/2007			12/19/2007			12/19/2007			12/19/2007		
		Depth	62 to 64 ft			0 to 2 ft			8 to 11 ft			21 to 23 ft			58 to 60 ft			0 to 1 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Heptachlor	ug/Kg	110	2.4	U		2.5	U		2.4	U		2.4	U		2.5	U		2.1	U	
Aldrin	ug/Kg	0.68	2.4	U		2.5	U		2.4	U		2.4	U		2.5	U		2.1	U	
Heptachlor epoxide	ug/Kg	53	2.4	U		2.5	U		2.4	U		2.4	U		2.5	U		2.1	U	
Endosulfan I	ug/Kg	22000	2.4	U		2.5	U		2.4	U		2.4	U		2.5	U		2.1	U	
Dieldrin	ug/Kg	1.22	4.6	U		4.8	U		4.6	U		4.6	U		4.8	U		4	U	
4,4'-DDE	ug/Kg	920	4.6	U		4.8	U		4.6	U		4.6	U		4.8	U		4	U	
Endrin	ug/Kg	1620	4.6	U		4.8	U		4.6	U		4.6	U		4.8	U		4	U	
Endosulfan II	ug/Kg	22000	4.6	U		4.8	U		4.6	U		4.6	U		4.8	U		4	U	
4,4'-DDD	ug/Kg	1320	4.6	U		4.8	U		4.6	U		4.6	U		4.8	U		4	U	
Endosulfan sulfate	ug/Kg	22000	4.6	U		4.8	U		4.6	U		4.6	U		4.8	U		4	U	
4,4'-DDT	ug/Kg	1340	4.6	U		4.8	U		4.6	U		4.6	U		4.8	U		4	U	
Methoxychlor	ug/Kg	31000	24	U		25	U		24	U		24	U		25	U		21	U	
Endrin ketone	ug/Kg	1620	4.6	U		4.8	U		4.6	U		4.6	U		4.8	U		4	U	
Endrin aldehyde	ug/Kg	1620	4.6	U		4.8	U		4.6	U		4.6	U		4.8	U		4	U	
alpha-Chlordane	ug/Kg	1600	2.4	U		2.5	U		2.4	U		2.4	U		2.5	U		2.1	U	
gamma-Chlordane	ug/Kg	1600	2.4	U		2.5	U		2.4	U		2.4	U		2.5	U		2.1	U	
Toxaphene	ug/Kg	440	240	U		250	U		240	U		240	U		250	U		210	U	
Inorganic Analytes																				
Aluminum	mg/kg	7700	**16300**	J	A	**11800**	J	A	**10600**	J	A	**14300**	J	A	**11800**	J	A	**11800**	J	A
Antimony	mg/kg	3.1	9.4	U		8.2	U		**8.3**	U		8.7	U		9.1	U		7.5	U	
Arsenic	mg/kg	0.39	1.6	U		1.4	U		**1.4**	U		1.4	U		1.5	U		1.2	U	
Barium	mg/kg	1500	282		#	87.9		#	43.8		#	149		#	213		#	91.7		#
Beryllium	mg/kg	16	0.78	UJ		0.73	UJ		0.7	UJ		0.84	J	#	0.76	UJ		0.62	UJ	
Cadmium	mg/kg	7	2		#	2.2		#	2.5		#	2.1		#	1.2		#	1.5		#
Calcium	mg/kg	N/A	2960	J	~	4140	J	~	71.6	J	~	540	J	~	1980	J	~	5260	J	~
Chromium	mg/kg	0.29	**10.5**		A	**21.2**		A	**8.6**		A	**7**		A	**8.7**		A	**20.8**		A
Cobalt	mg/kg	2.3	**14.5**	J	A	**12.2**	J	A	**44.9**	J	A	**62.6**	J	A	**13.8**	J	A	**14.1**	J	A

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Cidra, Puerto Rico

		Sample Code	RMSB-07-D			RMSB-08-A			RMSB-08-B			RMSB-08-C			RMSB-08-D			RMSB-09-A		
		Location	RMSB-07			RMSB-08			RMSB-08			RMSB-08			RMSB-08			RMSB-09		
		Sample Date	12/19/2007			12/19/2007			12/19/2007			12/19/2007			12/19/2007			12/19/2007		
		Depth	62 to 64 ft			0 to 2 ft			8 to 11 ft			21 to 23 ft			58 to 60 ft			0 to 1 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Copper	mg/kg	310	58.1		#	52.8		#	87.5		#	214		#	44.6		#	49.7		#
Cyanide	mg/kg	4.7	0.14	J	#	3.4	U		0.28	J	#	0.33	J	#	0.24	J	#	0.17	J	#
Iron	mg/kg	5400	28400	R		30300	R		33300	R		34300	R		21000	R		23400	R	
Lead	mg/kg	280	1.6	UJ		1.4	UJ		1.4	UJ		1.4	UJ		1.5	UJ		1.5	J	#
Magnesium	mg/kg	N/A	7940	J	~	4270	J	~	975	J	~	3190	J	~	5020	J	~	5810	J	~
Manganese	mg/kg	21	**310**	J	A	**473**	J	A	**428**	J	A	**933**	J	A	**445**	J	A	**480**	J	A
Mercury	mg/kg	2	0.12	J	#	0.14	U		0.13	U		0.14	U		0.14	U		0.13	U	
Nickel	mg/kg	150	18.9		#	8.6		#	11.4		#	16.1		#	13.3		#	12.1		#
Potassium	mg/kg	N/A	227	J	~	190	J	~	105	J	~	264	J	~	178	J	~	213	J	~
Selenium	mg/kg	5.2	5.5	UJ		4.8	UJ		4.9	UJ		5.1	UJ		5.3	UJ		4.3	UJ	
Silver	mg/kg	12	3.7	J	#	3.9	J	#	4.3	J	#	4.5	J	#	2.6	J	#	3.4	J	#
Sodium	mg/kg	N/A	263	J	~	389	J	~	126	J	~	162	J	~	186	J	~	229	J	~
Thallium	mg/kg	0.08	3.9	UJ		3.4	UJ		**3.5**	UJ		3.6	UJ		3.8	UJ		3.1	UJ	
Vanadium	mg/kg	39	**94.1**		A	**118**		A	**115**		A	**94.4**		A	**82.5**		A	**88.5**		A
Zinc	mg/kg	2300	58.7		#	28.9		#	30.3		#	78.1		#	41.9		#	33.4		#
Additional Parameters																				
% GRANULE & LARGER >2 MM	%	N/A																		
% VERY COURSE SAND >1 - 2 MM	%	N/A																		
% COARSE SAND >.5 - 1 MM	%	N/A																		
% MEDIUM SAND >.25 - .5 MM	%	N/A																		
% FINE SAND >.125 - .25 MM	%	N/A																		
% VERY FINE SAND >.0625 - .125 MM	%	N/A																		
% SILT	%	N/A																		
% CLAY & COLLOIDS	%	N/A																		
pH	s.u.	N/A																		
Total Organic Carbon	mg/Kg	N/A																		

Notes:
Highlight indicates exceedance

Q - Qualifier

CCC - Soil Sample Results Full Table (Stage 1)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-07-D			RMSB-08-A			RMSB-08-B			RMSB-08-C			RMSB-08-D			RMSB-09-A		
		Location	RMSB-07			RMSB-08			RMSB-08			RMSB-08			RMSB-08			RMSB-09		
		Sample Date	12/19/2007			12/19/2007			12/19/2007			12/19/2007			12/19/2007			12/19/2007		
		Depth	62 to 64 ft			0 to 2 ft			8 to 11 ft			21 to 23 ft			58 to 60 ft			0 to 1 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

SC - Site Specific Screening Criteria
C - Comparison Flag
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

CCC - Soil Sample Results Full Table (Stage 1)
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Cidra, Puerto Rico

		Sample Code	RMSB-09-B			RMSB-09-C			RMSB-09-D			RMSB-10-A			RMSB-10-B			RMSB-10-C		
		Location	RMSB-09			RMSB-09			RMSB-09			RMSB-10			RMSB-10			RMSB-10		
		Sample Date	12/19/2007			12/19/2007			12/12/2007			12/20/2007			12/20/2007			12/20/2007		
		Depth	9 to 11 ft			21 to 23 ft			58 to 60 ft			0 to 1 ft			5 to 7 ft			32 to 34 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	6.6	U		6.6	U		0.77	J	#	5.7	U		5.9	U		6.6	U	
Chloromethane	ug/Kg	980	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
Vinyl Chloride	ug/Kg	13.8	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
Bromomethane	ug/Kg	36	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
Chloroethane	ug/Kg	118000	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
Trichlorofluoromethane	ug/Kg	13800	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
1,1-Dichloroethene	ug/Kg	50	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
Acetone	ug/Kg	48000	16	U		14	U		15	U		14	U		14	U		17	U	
Carbon Disulfide	ug/Kg	4200	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
Methyl Acetate	ug/Kg	64000	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
Methylene Chloride	ug/Kg	26	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
trans-1,2-Dichloroethene	ug/Kg	580	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
Methyl tert-Butyl Ether	ug/Kg	56	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
1,1-Dichloroethane	ug/Kg	13.6	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
cis-1,2-Dichloroethene	ug/Kg	420	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		12		#
2-Butanone	ug/Kg	20000	13	U		13	U		13	U		11	U		12	U		13	U	
Chlorobromomethane	ug/Kg	420	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
Chloroform	ug/Kg	290	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
Cyclohexane	ug/Kg	117000	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
Carbon Tetrachloride	ug/Kg	38	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
Benzene	ug/Kg	52	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
1,2-Dichloroethane	ug/Kg	28	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
1,4-Dioxane	ug/Kg	2.8	130	R		130	R		130	R		110	R		120	R		130	R	
Trichloroethene	ug/Kg	36	6.6	U		6.6	U		6.6	U		2.4	J	#	5.9	U		7.5		#

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		Sample Code	RMSB-09-B			RMSB-09-C			RMSB-09-D			RMSB-10-A			RMSB-10-B			RMSB-10-C		
		Location	RMSB-09			RMSB-09			RMSB-09			RMSB-10			RMSB-10			RMSB-10		
		Sample Date	12/19/2007			12/19/2007			12/12/2007			12/20/2007			12/20/2007			12/20/2007		
		Depth	9 to 11 ft			21 to 23 ft			58 to 60 ft			0 to 1 ft			5 to 7 ft			32 to 34 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
1,2-Dichloropropane	ug/Kg	34	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
Bromodichloromethane	ug/Kg	270	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
cis-1,3-Dichloropropene	ug/Kg	3	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
4-Methyl-2-pentanone	ug/Kg	4600	13	U		13	U		13	U		11	U		12	U		13	U	
Toluene	ug/Kg	13800	6.6	U		6.6	U		0.86	J	#	0.59	J	#	5.9	U		6.6	U	
trans-1,3-Dichloropropene	ug/Kg	3	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
1,1,2-Trichloroethane	ug/Kg	32	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
Tetrachloroethene	ug/Kg	46	6.6	U		6.6	U		6.6	U		45		#	29		#	**230**		A
2-Hexanone	ug/Kg	158	13	U		13	U		13	U		11	U		12	U		13	U	
Dibromochloromethane	ug/Kg	420	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
1,2-Dibromoethane	ug/Kg	0.28	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
Chlorobenzene	ug/Kg	1360	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
Ethylbenzene	ug/Kg	5400	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
o-Xylene	ug/Kg	3800	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
m,p-Xylene	ug/Kg	3600	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
Styrene	ug/Kg	2200	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
Bromoform	ug/Kg	420	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
Isopropylbenzene	ug/Kg	12800	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
1,4-Dichlorobenzene	ug/Kg	1440	6.6	U		0.73	J	#	1.3	J	#	1.2	J	#	1.2	J	#	1.2	J	#
1,2-Dichlorobenzene	ug/Kg	11600	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.6	U		6.6	U		6.6	U		5.7	U		5.9	U		6.6	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.6	U		6.6	U		6.6	U		5.7	UJ		5.9	UJ		6.6	UJ	
1,2,3-Trichlorobenzene	ug/Kg	300	6.6	U		6.6	U		6.6	U		5.7	UJ		5.9	UJ		6.6	UJ	
Semi-Volatile Organic Compounds																				

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		Sample Code	RMSB-09-B			RMSB-09-C			RMSB-09-D			RMSB-10-A			RMSB-10-B			RMSB-10-C		
		Location	RMSB-09			RMSB-09			RMSB-09			RMSB-10			RMSB-10			RMSB-10		
		Sample Date	12/19/2007			12/19/2007			12/12/2007			12/20/2007			12/20/2007			12/20/2007		
		Depth	9 to 11 ft			21 to 23 ft			58 to 60 ft			0 to 1 ft			5 to 7 ft			32 to 34 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/Kg	6600	240	U		250	U		250	U		250	U		250	U		260	U	
Phenol	ug/Kg	52000	240	U		250	U		250	U		250	U		250	U		260	U	
bis(2-Chloroethyl) ether	ug/Kg	0.06	240	U		250	U		250	U		250	U		250	U		260	U	
2-Chlorophenol	ug/Kg	1140	240	U		250	U		250	U		250	U		250	U		260	U	
2-Methylphenol	ug/Kg	11600	240	U		250	U		250	U		250	U		250	U		260	U	
2,2'-oxybis(1-Chloropropane)	ug/Kg	2.2	240	U		250	U		250	U		250	U		250	U		260	U	
Acetophenone	ug/Kg	9000	240	U		250	U		250	U		250	U		250	U		260	U	
4-Methylphenol	ug/Kg	22000	240	U		250	U		250	U		250	U		250	U		260	U	
n-Nitroso-di-n-propylamine	ug/Kg	0.14	240	U		250	U		250	U		250	U		250	U		260	U	
Hexachloroethane	ug/Kg	9.6	240	U		250	U		250	U		250	U		250	U		260	U	
Nitrobenzene	ug/Kg	1.58	240	UJ		250	UJ		250	UJ		250	UJ		250	UJ		260	UJ	
Isophorone	ug/Kg	440	240	U		250	U		250	U		250	U		250	U		260	U	
2-Nitrophenol	ug/Kg	N/A	240	U		250	U		250	U		250	U		250	U		260	U	
2,4-Dimethylphenol	ug/Kg	6400	240	U		250	U		250	U		250	U		250	U		260	U	
bis(2-Chloroethoxy)methane	ug/Kg	220	240	U		250	U		250	U		250	U		250	U		260	U	
2,4-Dichlorophenol	ug/Kg	820	240	U		250	U		250	UJ		250	U		250	U		260	U	
Naphthalene	ug/Kg	9.4	240	U		250	U		250	U		250	U		250	U		260	U	
4-Chloroaniline	ug/Kg	2.6	240	U		250	U		250	U		250	U		250	U		260	U	
Hexachlorobutadiene	ug/Kg	10	240	U		250	U		250	UJ		250	U		250	U		260	U	
Caprolactam	ug/Kg	38000	240	U		250	UJ		250	UJ		250	UJ		250	UJ		260	U	
4-Chloro-3-methylphenol	ug/Kg	26000	240	U		250	U		250	UJ		250	U		250	U		260	U	
2-Methylnaphthalene	ug/Kg	2800	240	U		250	U		250	U		250	U		250	U		260	U	
Hexachlorocyclopentadiene	ug/Kg	3200	240	U		250	U		250	U		250	U		250	U		260	U	
2,4,6-Trichlorophenol	ug/Kg	260	240	U		250	U		250	UJ		250	U		250	U		260	U	
2,4,5-Trichlorophenol	ug/Kg	66000	240	U		250	U		250	UJ		250	U		250	U		260	U	
1,1'-Biphenyl	ug/Kg	174	240	U		250	UJ		250	UJ		250	UJ		250	UJ		260	U	
2-Chloronaphthalene	ug/Kg	58000	240	U		250	U		250	U		250	U		250	U		260	U	
2-Nitroaniline	ug/Kg	1240	470	U		490	U		490	U		480	U		490	U		510	U	

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		Sample Code	RMSB-09-B			RMSB-09-C			RMSB-09-D			RMSB-10-A			RMSB-10-B			RMSB-10-C		
		Location	RMSB-09			RMSB-09			RMSB-09			RMSB-10			RMSB-10			RMSB-10		
		Sample Date	12/19/2007			12/19/2007			12/12/2007			12/20/2007			12/20/2007			12/20/2007		
		Depth	9 to 11 ft			21 to 23 ft			58 to 60 ft			0 to 1 ft			5 to 7 ft			32 to 34 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Dimethylphthalate	ug/Kg	N/A	240	U		250	UJ		250	UJ		250	UJ		250	UJ		260	U	
2,6-Dinitrotoluene	ug/Kg	400	240	U		250	U		250	U		250	U		250	U		260	U	
Acenaphthylene	ug/Kg	N/A	240	U		250	U		250	U		250	U		250	U		260	U	
3-Nitroaniline	ug/Kg	N/A	470	U		490	U		490	U		480	U		490	U		510	U	
Acenaphthene	ug/Kg	82000	240	U		250	U		250	U		250	U		250	U		260	U	
2,4-Dinitrophenol	ug/Kg	680	470	U		490	U		490	U		480	U		490	U		510	U	
4-Nitrophenol	ug/Kg	N/A	470	U		490	U		490	U		480	U		490	U		510	U	
Dibenzofuran	ug/Kg	N/A	240	U		250	UJ		250	UJ		250	UJ		250	UJ		260	U	
2,4-Dinitrotoluene	ug/Kg	5.6	240	U		250	U		250	U		250	U		250	U		260	U	
Diethylphthalate	ug/Kg	94000	240	U		250	UJ		250	UJ		250	UJ		250	UJ		260	U	
Fluorene	ug/Kg	80000	240	U		250	UJ		250	UJ		250	UJ		250	UJ		260	U	
4-Chlorophenyl-phenylether	ug/Kg	N/A	240	U		250	UJ		250	UJ		250	UJ		250	UJ		260	U	
4-Nitroaniline	ug/Kg	28	470	U		490	U		490	U		480	U		490	U		510	U	
4,6-Dinitro-2-methylphenol	ug/Kg	40	470	U		490	U		490	U		480	U		490	U		510	U	
n-Nitrosodiphenylamine	ug/Kg	1140	240	U		250	U		250	U		250	U		250	U		260	U	
1,2,4,5-Tetrachlorobenzene	ug/Kg	116	240	U		250	U		250	UJ		250	U		250	U		260	U	
4-Bromophenyl-phenylether	ug/Kg	N/A	240	U		250	UJ		250	UJ		250	UJ		250	UJ		260	U	
Hexachlorobenzene	ug/Kg	260	240	U		250	U		250	U		250	U		250	U		260	U	
Atrazine	ug/Kg	38	240	U		250	U		250	U		250	U		250	U		260	U	
Pentachlorophenol	ug/Kg	200	470	U		490	U		490	UJ		480	U		490	U		510	U	
Phenanthrene	ug/Kg	N/A	240	U		250	U		250	U		250	U		250	U		260	U	
Anthracene	ug/Kg	840000	240	U		250	U		250	U		250	U		250	U		260	U	
Carbazole	ug/Kg	N/A	240	U		250	UJ		250	UJ		250	UJ		250	UJ		260	U	
Di-n-butylphthalate	ug/Kg	34000	240	U		250	UJ		250	UJ		250	UJ		250	UJ		260	U	
Fluoranthene	ug/Kg	230000	240	UJ		250	UJ		250	UJ		250	UJ		250	UJ		260	UJ	
Pyrene	ug/Kg	170000	240	UJ		250	UJ		250	UJ		250	UJ		250	UJ		260	UJ	
Butylbenzylphthalate	ug/Kg	4000	240	U		250	UJ		250	UJ		250	UJ		250	UJ		260	U	
3,3'-Dichlorobenzidine	ug/Kg	14.2	240	U		250	U		250	U		250	U		250	U		260	U	

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		Sample Code	RMSB-09-B			RMSB-09-C			RMSB-09-D			RMSB-10-A			RMSB-10-B			RMSB-10-C		
		Location	RMSB-09			RMSB-09			RMSB-09			RMSB-10			RMSB-10			RMSB-10		
		Sample Date	12/19/2007			12/19/2007			12/12/2007			12/20/2007			12/20/2007			12/20/2007		
		Depth	9 to 11 ft			21 to 23 ft			58 to 60 ft			0 to 1 ft			5 to 7 ft			32 to 34 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzo(a)anthracene	ug/Kg	150	240	UJ		250	UJ		250	UJ		250	UJ		250	UJ		260	UJ	
Chrysene	ug/Kg	15000	240	UJ		250	UJ		250	UJ		250	UJ		250	UJ		260	UJ	
bis(2-Ethylhexyl) phthalate	ug/Kg	28000	460		#	250	UJ		250	UJ		120	J	#	470	J	#	260	U	
Di-n-octylphthalate	ug/Kg	N/A	240	U		250	UJ		250	UJ		250	UJ		250	UJ		260	U	
Benzo(b)fluoranthene	ug/Kg	150	240	UJ		250	UJ		250	UJ		250	UJ		250	UJ		260	U	
Benzo(k)fluoranthene	ug/Kg	1500	240	UJ		250	UJ		250	UJ		250	UJ		250	UJ		260	U	
Benzo(a)pyrene	ug/Kg	15	240	UJ		250	UJ		250	UJ		250	UJ		250	UJ		260	U	
Indeno(1,2,3-cd)pyrene	ug/Kg	150	240	UJ		250	UJ		250	UJ		250	UJ		250	UJ		260	U	
Dibenz(a,h)anthracene	ug/Kg	15	240	UJ		250	UJ		250	UJ		250	UJ		250	UJ		260	U	
Benzo(g,h,i)perylene	ug/Kg	N/A	240	UJ		250	UJ		250	UJ		250	UJ		250	UJ		260	U	
Chlorophenols	ug/Kg	22000	240	U		250	U		250	UJ		250	U		250	U		260	U	
PCBs																				
Aroclor-1016	ug/Kg	390	47	U		49	U		49	U		48	U		49	U		51	U	
Aroclor-1221	ug/Kg	1.48	47	U		49	U		49	U		48	U		49	U		51	U	
Aroclor-1232	ug/Kg	1.48	47	U		49	U		49	U		48	U		49	U		51	U	
Aroclor-1242	ug/Kg	106	47	U		49	U		49	U		48	U		49	U		51	U	
Aroclor-1248	ug/Kg	104	47	U		49	U		49	U		48	U		49	U		51	U	
Aroclor-1254	ug/Kg	110	47	U		49	U		49	U		48	U		49	U		51	U	
Aroclor-1260	ug/Kg	220	47	U		49	U		49	U		48	U		49	U		51	U	
Aroclor-1262	ug/Kg	220	47	U		49	U		49	U		48	U		49	U		51	U	
Aroclor-1268	ug/Kg	220	47	U		49	U		49	U		48	U		49	U		51	U	
Pesticides																				
alpha-BHC	ug/Kg	0.72	2.4	U		2.5	U		2.5	U		2.5	U		2.5	U		2.6	U	
beta-BHC	ug/Kg	2.6	2.4	U		2.5	U		2.5	U		2.5	U		2.5	U		2.6	U	
delta-BHC	ug/Kg	N/A	2.4	U		2.5	U		2.5	U		2.5	U		2.5	U		2.6	U	
gamma-BHC (Lindane)	ug/Kg	24	2.4	U		2.5	U		2.5	U		2.5	U		2.5	U		2.6	U	

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		Sample Code	RMSB-09-B			RMSB-09-C			RMSB-09-D			RMSB-10-A			RMSB-10-B			RMSB-10-C		
		Location	RMSB-09			RMSB-09			RMSB-09			RMSB-10			RMSB-10			RMSB-10		
		Sample Date	12/19/2007			12/19/2007			12/12/2007			12/20/2007			12/20/2007			12/20/2007		
		Depth	9 to 11 ft			21 to 23 ft			58 to 60 ft			0 to 1 ft			5 to 7 ft			32 to 34 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Heptachlor	ug/Kg	110	2.4	U		2.5	U		2.5	U		2.5	U		2.5	U		2.6	U	
Aldrin	ug/Kg	0.68	2.4	U		2.5	U		2.5	U		2.5	U		2.5	U		2.6	U	
Heptachlor epoxide	ug/Kg	53	2.4	U		2.5	U		2.5	U		2.5	U		2.5	U		2.6	U	
Endosulfan I	ug/Kg	22000	2.4	U		2.5	U		2.5	U		2.5	U		2.8		#	2.6	U	
Dieldrin	ug/Kg	1.22	4.7	U		4.9	U		4.9	U		4.8	U		4.9	U		5.1	U	
4,4'-DDE	ug/Kg	920	4.7	U		4.9	U		4.9	U		4.8	U		4.9	U		5.1	U	
Endrin	ug/Kg	1620	4.7	U		4.9	U		4.9	U		4.8	U		4.9	U		5.1	U	
Endosulfan II	ug/Kg	22000	4.7	U		4.9	U		4.9	U		4.8	U		4.9	U		5.1	U	
4,4'-DDD	ug/Kg	1320	4.7	U		4.9	U		4.9	U		4.8	U		4.9	U		1.3	J	#
Endosulfan sulfate	ug/Kg	22000	4.7	U		4.9	U		4.9	U		4.8	U		4.9	U		5.1	U	
4,4'-DDT	ug/Kg	1340	4.7	U		4.9	U		4.9	U		4.8	U		4.9	U		5.1	U	
Methoxychlor	ug/Kg	31000	24	U		25	U		25	U		25	U		25	U		26	U	
Endrin ketone	ug/Kg	1620	4.7	U		4.9	U		4.9	U		4.8	U		4.9	U		5.1	U	
Endrin aldehyde	ug/Kg	1620	4.7	U		4.9	U		4.9	U		4.8	U		4.9	U		5.1	U	
alpha-Chlordane	ug/Kg	1600	2.4	U		2.5	U		2.5	U		2.5	U		2.5	U		2.6	U	
gamma-Chlordane	ug/Kg	1600	2.4	U		2.5	U		2.5	U		2.5	U		2.5	U		2.6	U	
Toxaphene	ug/Kg	440	240	U		250	U		250	U		250	U		250	U		260	U	
Inorganic Analytes																				
Aluminum	mg/kg	7700	**11400**	J	A	**11300**	J	A	**17600**	J	A	**12000**	J	A	**18900**	J	A	**20300**	J	A
Antimony	mg/kg	3.1	8.5	U		9	U		8.5	U		2.2	U		2.1	U		2.1	U	
Arsenic	mg/kg	0.39	1.4	U		1.5	U		1.4	U		1.4	U		1.4	U		1.4	U	
Barium	mg/kg	1500	19.1	J	#	49.8		#	214		#	78	J	#	329	J	#	563	J	#
Beryllium	mg/kg	16	0.71	UJ		0.75	UJ		0.7	UJ		0.71	UJ		1.6	J	#	1.1	J	#
Cadmium	mg/kg	7	2.4		#	2.4		#	2.3		#	2.4		#	2.1		#	2.5		#
Calcium	mg/kg	N/A	106	J	~	154	J	~	1220	J	~	907	J	~	467	J	~	1830	J	~
Chromium	mg/kg	0.29	**45**		A	**34.8**		A	**8.5**		A	**16.5**	J	A	**22.1**	J	A	**12.9**	J	A
Cobalt	mg/kg	2.3	7.1	UJ		**32.7**	J	A	**18.4**	J	A	**22**	J	A	**69.9**	J	A	**32.4**	J	A

CCC - Soil Sample Results Full Table (Stage 1)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-09-B			RMSB-09-C			RMSB-09-D			RMSB-10-A			RMSB-10-B			RMSB-10-C		
		Location	RMSB-09			RMSB-09			RMSB-09			RMSB-10			RMSB-10			RMSB-10		
		Sample Date	12/19/2007			12/19/2007			12/12/2007			12/20/2007			12/20/2007			12/20/2007		
		Depth	9 to 11 ft			21 to 23 ft			58 to 60 ft			0 to 1 ft			5 to 7 ft			32 to 34 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Copper	mg/kg	310	110		#	97.2		#	49.2		#	64.3		#	**322**		A	142		#
Cyanide	mg/kg	4.7	0.48	J	#	3.7	U		0.55	J	#	0.7	J	#	0.77	J	#	2	J	#
Iron	mg/kg	5400	43400	R		42100	R		28200	R		**48600**	J	A	**35400**	J	A	**30900**	J	A
Lead	mg/kg	280	1.4	UJ		1.5	UJ		1.4	UJ		1.4	U		1.4	U		1.4	U	
Magnesium	mg/kg	N/A	555	J	~	767	J	~	9280	J	~	1830	J	~	1710	J	~	5540	J	~
Manganese	mg/kg	21	**225**	J	A	**732**	J	A	**682**	J	A	**1070**	J	A	**1060**	J	A	**692**	J	A
Mercury	mg/kg	2	0.13	U		0.15	U		0.14	U		0.14	U		0.14	U		0.14	U	
Nickel	mg/kg	150	10.1		#	14		#	23.2		#	8.1	J	#	64.6	J	#	105	J	#
Potassium	mg/kg	N/A	32	J	~	26.2	J	~	194	J	~	123	J	~	236	J	~	163	J	~
Selenium	mg/kg	5.2	5	UJ		5.2	UJ		4.9	UJ		5	UJ		4.9	UJ		5	UJ	
Silver	mg/kg	12	5.5	J	#	5.5	J	#	3.8	J	#	6.5	J	#	4.8	J	#	4.2	J	#
Sodium	mg/kg	N/A	104	J	~	101	J	~	190	J	~	371	J	~	222	J	~	496	J	~
Thallium	mg/kg	0.08	3.5	UJ		3.7	UJ		3.5	UJ		0.36	U		0.35	U		0.35	U	
Vanadium	mg/kg	39	**144**		A	**148**		A	**90**		A	**145**	J	A	**152**	J	A	**128**	J	A
Zinc	mg/kg	2300	32.8		#	38.2		#	96.5		#	41.3	J	#	161	J	#	364	J	#
Additional Parameters																				
% GRANULE & LARGER >2 MM	%	N/A							0		~							4		~
% VERY COURSE SAND >1 - 2 MM	%	N/A							1		~							5		~
% COARSE SAND >.5 - 1 MM	%	N/A							5		~							5		~
% MEDIUM SAND >.25 - .5 MM	%	N/A							11		~							6		~
% FINE SAND >.125 - .25 MM	%	N/A							16		~							8		~
% VERY FINE SAND >.0625 - .125 MM	%	N/A							14		~							7		~
% SILT	%	N/A							50		~							47		~
% CLAY & COLLOIDS	%	N/A							4		~							18		~
pH	s.u.	N/A							7		~							7		~
Total Organic Carbon	mg/Kg	N/A							400	J	~							630	J	~

Notes:
Highlight indicates exceedance

Q - Qualifier

CCC - Soil Sample Results Full Table (Stage 1)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-09-B			RMSB-09-C			RMSB-09-D			RMSB-10-A			RMSB-10-B			RMSB-10-C		
		Location	RMSB-09			RMSB-09			RMSB-09			RMSB-10			RMSB-10			RMSB-10		
		Sample Date	12/19/2007			12/19/2007			12/12/2007			12/20/2007			12/20/2007			12/20/2007		
		Depth	9 to 11 ft			21 to 23 ft			58 to 60 ft			0 to 1 ft			5 to 7 ft			32 to 34 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

SC - Site Specific Screening Criteria
C - Comparison Flag
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-11-A			RMSB-11-B			RMSB-11-C			RMSB-11-E			RMSB-11-F			RMSB-11-G		
		Location	RMSB-11			RMSB-11			RMSB-11			RMSB-11			RMSB-11			RMSB-11		
		Sample Date	4/29/2010			4/29/2010			4/29/2010			4/29/2010			4/29/2010			4/29/2010		
		Depth	0 to 4 ft			4 to 8 ft			8 to 12 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	6.2	U		6.5	U		6.8	U		6.6	U		7.1	U		8.3	U	
Chloromethane	ug/Kg	980	6.2	U		6.5	U		6.8	U		6.6	U		7.1	U		8.3	U	
Vinyl Chloride	ug/Kg	13.8	6.2	U		6.5	U		8.2		#	8.9		#	7.1	U		8.3	U	
Bromomethane	ug/Kg	36	6.2	U		6.5	U		6.8	U		6.6	U		7.1	U		8.3	U	
Chloroethane	ug/Kg	118000	6.2	U		6.5	U		6.8	U		6.6	U		7.1	U		8.3	U	
Trichlorofluoromethane	ug/Kg	13800	6.2	U		6.5	U		6.8	U		6.6	U		7.1	U		8.3	U	
1,1-Dichloroethene	ug/Kg	50	6.2	U		6.5	U		6.8	U		6.6	U		7.1	U		8.3	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.2	U		6.5	U		6.8	U		6.6	U		7.1	U		8.3	U	
Acetone	ug/Kg	48000	110		#	130		#	12	J	#	13	U		14	U		17	U	
Carbon Disulfide	ug/Kg	4200	6.2	U		2.2	J	#	6.8	U		6.6	U		7.1	U		8.3	U	
Methyl Acetate	ug/Kg	64000	6.2	U		2.9	J	#	6.8	U		6.6	U		7.1	U		8.3	U	
Methylene Chloride	ug/Kg	26	6.2	U		6.5	U		6.8	U		6.6	U		7.1	U		8.3	U	
trans-1,2-Dichloroethene	ug/Kg	580	0.84	J	#	0.63	J	#	1.3	J	#	0.63	J	#	7.1	U		8.3	U	
Methyl tert-Butyl Ether	ug/Kg	56	6.2	U		6.5	U		6.8	U		6.6	U		7.1	U		8.3	U	
1,1-Dichloroethane	ug/Kg	13.6	6.2	U		6.5	U		6.8	U		6.6	U		7.1	U		8.3	U	
cis-1,2-Dichloroethene	ug/Kg	420	15		#	13		#	25		#	7.1		#	11		#	3	J	#
2-Butanone	ug/Kg	20000	5.1	J	#	10	J	#	14	U		13	U		14	U		17	U	
Chlorobromomethane	ug/Kg	420	6.2	U		6.5	U		6.8	U		6.6	U		7.1	U		8.3	U	
Chloroform	ug/Kg	290	6.2	U		6.5	U		6.8	U		6.6	U		7.1	U		8.3	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.2	U		6.5	U		6.8	U		6.6	U		7.1	U		8.3	U	
Cyclohexane	ug/Kg	117000	6.2	U		6.5	U		6.8	U		6.6	U		7.1	U		8.3	U	
Carbon Tetrachloride	ug/Kg	38	6.2	U		6.5	U		6.8	U		6.6	U		7.1	U		8.3	U	
Benzene	ug/Kg	52	6.2	U		6.5	U		6.8	U		6.6	U		7.1	U		8.3	U	
1,2-Dichloroethane	ug/Kg	28	6.2	U		6.5	U		6.8	U		6.6	U		7.1	U		8.3	U	
1,4-Dioxane	ug/Kg	2.8	120	R		130	R		140	R		130	R		140	R		170	R	
Trichloroethene	ug/Kg	36	4.4	J	#	3.8	J	#	7		#	8.3		#	7	J	#	2.5	J	#

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-11-A			RMSB-11-B			RMSB-11-C			RMSB-11-E			RMSB-11-F			RMSB-11-G		
		Location	RMSB-11			RMSB-11			RMSB-11			RMSB-11			RMSB-11			RMSB-11		
		Sample Date	4/29/2010			4/29/2010			4/29/2010			4/29/2010			4/29/2010			4/29/2010		
		Depth	0 to 4 ft			4 to 8 ft			8 to 12 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft		
Metylcyclohexane	ug/Kg	N/A	6.2	U		6.5	U		6.8	U		6.6	U		7.1	U		8.3	U	
1,2-Dichloropropane	ug/Kg	34	6.2	U		6.5	U		6.8	U		6.6	U		7.1	U		8.3	U	
Bromodichloromethane	ug/Kg	270	6.2	U		6.5	U		6.8	U		6.6	U		7.1	U		8.3	U	
cis-1,3-Dichloropropene	ug/Kg	3	2.5	U		2.6	U		2.7	U		2.6	U		2.8	U		3.3	U	
4-Methyl-2-pentanone	ug/Kg	4600	12	U		13	U		14	U		13	U		14	U		17	U	
Toluene	ug/Kg	13800	210		#	130		#	83		#	6.6	U		7.1	U		8.3	U	
trans-1,3-Dichloropropene	ug/Kg	3	2.5	U		2.6	U		2.7	U		2.6	U		2.8	U		3.3	U	
1,1,2-Trichloroethane	ug/Kg	32	6.2	U		6.5	U		6.8	U		6.6	U		7.1	U		8.3	U	
Tetrachloroethene	ug/Kg	46	6.2	U		6.5	U		1.6	J	#	12		#	35		#	2.5	J	#
2-Hexanone	ug/Kg	158	12	U		13	U		14	U		13	U		14	U		17	U	
Dibromochloromethane	ug/Kg	420	6.2	U		6.5	U		6.8	U		6.6	U		7.1	U		8.3	U	
1,2-Dibromoethane	ug/Kg	0.28	6.2	U		6.5	U		6.8	U		6.6	U		7.1	U		8.3	U	
Chlorobenzene	ug/Kg	1360	6.2	U		6.5	U		6.8	U		6.6	U		7.1	U		8.3	U	
Ethylbenzene	ug/Kg	5400	6.2	U		6.5	U		6.8	U		6.6	U		7.1	U		8.3	U	
o-Xylene	ug/Kg	3800	6.2	U		6.5	U		6.8	U		6.6	U		7.1	U		8.3	U	
m,p-Xylene	ug/Kg	3600	6.2	U		0.58	J	#	0.74	J	#	6.6	U		7.1	U		8.3	U	
Styrene	ug/Kg	2200	6.2	U		6.5	U		6.8	U		6.6	U		7.1	U		8.3	U	
Bromoform	ug/Kg	420	6.2	U		6.5	U		6.8	U		6.6	U		7.1	U		8.3	U	
Isopropylbenzene	ug/Kg	12800	6.2	U		6.5	U		6.8	U		6.6	U		7.1	U		8.3	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	2.5	U		2.6	U		2.7	U		2.6	U		2.8	U		3.3	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.2	U		6.5	U		6.8	U		6.6	U		7.1	U		8.3	U	
1,4-Dichlorobenzene	ug/Kg	1440	6.2	U		6.5	U		6.8	U		6.6	U		7.1	U		8.3	U	
1,2-Dichlorobenzene	ug/Kg	11600	6.2	U		6.5	U		6.8	U		6.6	U		7.1	U		8.3	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.2	U		6.5	U		6.8	U		6.6	U		7.1	U		8.3	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.2	U		6.5	U		6.8	U		6.6	U		7.1	U		8.3	U	
1,2,3-Trichlorobenzene	ug/Kg	300	6.2	U		6.5	U		6.8	U		6.6	U		7.1	U		8.3	U	
Additional Parameters																				
pH	s.u.	N/A							5.04		~	5.17		~						
Total Organic Carbon	mg/Kg	N/A							3738		~	1701		~						

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

	Sample Code	RMSB-11-A	RMSB-11-B	RMSB-11-C	RMSB-11-E	RMSB-11-F	RMSB-11-G
	Location	RMSB-11	RMSB-11	RMSB-11	RMSB-11	RMSB-11	RMSB-11
	Sample Date	4/29/2010	4/29/2010	4/29/2010	4/29/2010	4/29/2010	4/29/2010
	Depth	0 to 4 ft	4 to 8 ft	8 to 12 ft	32 to 36 ft	44 to 48 ft	56 to 60 ft

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Comparison Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-11-H			RMSB-12-A			RMSB-12-B			RMSB-12-C			RMSB-12-D			RMSB-12-E		
		Location	RMSB-11			RMSB-12			RMSB-12			RMSB-12			RMSB-12			RMSB-12		
		Sample Date	4/29/2010			4/30/2010			4/30/2010			4/30/2010			4/30/2010			4/30/2010		
		Depth	68 to 72 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
Chloromethane	ug/Kg	980	5.3	U		5.8	U		560		#	5.4	U		570		#	7.1	U	
Vinyl Chloride	ug/Kg	13.8	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
Bromomethane	ug/Kg	36	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
Chloroethane	ug/Kg	118000	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
Trichlorofluoromethane	ug/Kg	13800	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
1,1-Dichloroethene	ug/Kg	50	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
Acetone	ug/Kg	48000	11	U		9.4	J	#	940	U		19		#	960	U		10	J	#
Carbon Disulfide	ug/Kg	4200	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
Methyl Acetate	ug/Kg	64000	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
Methylene Chloride	ug/Kg	26	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
trans-1,2-Dichloroethene	ug/Kg	580	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
Methyl tert-Butyl Ether	ug/Kg	56	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
1,1-Dichloroethane	ug/Kg	13.6	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
cis-1,2-Dichloroethene	ug/Kg	420	5.3	U		9.8		#	470	U		3.1	J	#	480	U		140		#
2-Butanone	ug/Kg	20000	11	U		12	U		940	U		11	U		960	U		2.5	J	#
Chlorobromomethane	ug/Kg	420	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
Chloroform	ug/Kg	290	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
1,1,1-Trichloroethane	ug/Kg	1400	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
Cyclohexane	ug/Kg	117000	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
Carbon Tetrachloride	ug/Kg	38	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
Benzene	ug/Kg	52	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
1,2-Dichloroethane	ug/Kg	28	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
1,4-Dioxane	ug/Kg	2.8	110	R		**4200**	J	A	9400	R		**4300**	J	A	9600	R		**97**	J	A
Trichloroethene	ug/Kg	36	5.3	U		19		#	470	U		2.2	J	#	480	U		23		#

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-11-H			RMSB-12-A			RMSB-12-B			RMSB-12-C			RMSB-12-D			RMSB-12-E		
		Location	RMSB-11			RMSB-12			RMSB-12			RMSB-12			RMSB-12			RMSB-12		
		Sample Date	4/29/2010			4/30/2010			4/30/2010			4/30/2010			4/30/2010			4/30/2010		
		Depth	68 to 72 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft		
Metylcyclohexane	ug/Kg	N/A	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
1,2-Dichloropropane	ug/Kg	34	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
Bromodichloromethane	ug/Kg	270	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
cis-1,3-Dichloropropene	ug/Kg	3	2.1	U		2.3	U		190	U		2.2	U		190	U		2.8	U	
4-Methyl-2-pentanone	ug/Kg	4600	11	U		12	U		940	U		11	U		960	U		14	U	
Toluene	ug/Kg	13800	5.3	U		92		#	470	U		30		#	480	U		7.1	U	
trans-1,3-Dichloropropene	ug/Kg	3	2.1	U		2.3	U		190	U		2.2	U		190	U		2.8	U	
1,1,2-Trichloroethane	ug/Kg	32	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
Tetrachloroethene	ug/Kg	46	5.3	U		**140**	J	A	**1200**		A	**310**	J	A	**2800**		A	**10000**		A
2-Hexanone	ug/Kg	158	11	U		12	U		940	U		11	U		960	U		14	U	
Dibromochloromethane	ug/Kg	420	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
1,2-Dibromoethane	ug/Kg	0.28	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
Chlorobenzene	ug/Kg	1360	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
Ethylbenzene	ug/Kg	5400	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
o-Xylene	ug/Kg	3800	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
m,p-Xylene	ug/Kg	3600	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
Styrene	ug/Kg	2200	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
Bromoform	ug/Kg	420	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
Isopropylbenzene	ug/Kg	12800	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	2.1	U		2.3	U		190	U		2.2	U		190	U		2.8	U	
1,3-Dichlorobenzene	ug/Kg	N/A	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
1,4-Dichlorobenzene	ug/Kg	1440	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
1,2-Dichlorobenzene	ug/Kg	11600	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
1,2,3-Trichlorobenzene	ug/Kg	300	5.3	U		5.8	U		470	U		5.4	U		480	U		7.1	U	
Additional Parameters																				
pH	s.u.	N/A							5.17		~							5.7		~
Total Organic Carbon	mg/Kg	N/A							5696		~							1485		~

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

	Sample Code	RMSB-11-H	RMSB-12-A	RMSB-12-B	RMSB-12-C	RMSB-12-D	RMSB-12-E
	Location	RMSB-11	RMSB-12	RMSB-12	RMSB-12	RMSB-12	RMSB-12
	Sample Date	4/29/2010	4/30/2010	4/30/2010	4/30/2010	4/30/2010	4/30/2010
	Depth	68 to 72 ft	0 to 4 ft	4 to 8 ft	8 to 12 ft	20 to 24 ft	32 to 36 ft

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Comparison Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-12-F			RMSB-12-G			RMSB-13-A			RMSB-13-B			RMSB-13-C			RMSB-13-D		
		Location	RMSB-12			RMSB-12			RMSB-13			RMSB-13			RMSB-13			RMSB-13		
		Sample Date	4/30/2010			4/30/2010			4/30/2010			4/30/2010			4/30/2010			4/30/2010		
		Depth	44 to 48 ft			36 to 60 ft			2 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
Chloromethane	ug/Kg	980	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
Vinyl Chloride	ug/Kg	13.8	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
Bromomethane	ug/Kg	36	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
Chloroethane	ug/Kg	118000	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
Trichlorofluoromethane	ug/Kg	13800	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
1,1-Dichloroethene	ug/Kg	50	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
Acetone	ug/Kg	48000	5.5	J	#	5.5	J	#	30		#	5.5	J	#	14	U		13	U	
Carbon Disulfide	ug/Kg	4200	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
Methyl Acetate	ug/Kg	64000	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
Methylene Chloride	ug/Kg	26	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
trans-1,2-Dichloroethene	ug/Kg	580	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
Methyl tert-Butyl Ether	ug/Kg	56	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
1,1-Dichloroethane	ug/Kg	13.6	7.2	U		0.86	J	#	5.6	U		6.9	U		7.1	U		6.7	U	
cis-1,2-Dichloroethene	ug/Kg	420	190		#	190		#	5.6	U		7.9		#	4.1	J	#	25		#
2-Butanone	ug/Kg	20000	14	U		14	U		11	U		14	U		14	U		13	U	
Chlorobromomethane	ug/Kg	420	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
Chloroform	ug/Kg	290	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
1,1,1-Trichloroethane	ug/Kg	1400	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
Cyclohexane	ug/Kg	117000	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
Carbon Tetrachloride	ug/Kg	38	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
Benzene	ug/Kg	52	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
1,2-Dichloroethane	ug/Kg	28	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
1,4-Dioxane	ug/Kg	2.8	140	R		140	R		110	R		140	R		140	R		130	R	
Trichloroethene	ug/Kg	36	**96**		A	**190**		A	5.6	U		2.7	J	#	7.1	U		3.8	J	#

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-12-F			RMSB-12-G			RMSB-13-A			RMSB-13-B			RMSB-13-C			RMSB-13-D		
		Location	RMSB-12			RMSB-12			RMSB-13			RMSB-13			RMSB-13			RMSB-13		
		Sample Date	4/30/2010			4/30/2010			4/30/2010			4/30/2010			4/30/2010			4/30/2010		
		Depth	44 to 48 ft			36 to 60 ft			2 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft		
Metylcyclohexane	ug/Kg	N/A	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
1,2-Dichloropropane	ug/Kg	34	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
Bromodichloromethane	ug/Kg	270	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
cis-1,3-Dichloropropene	ug/Kg	3	2.9	U		2.7	U		2.2	U		2.8	U		2.8	U		2.7	U	
4-Methyl-2-pentanone	ug/Kg	4600	14	U		14	U		11	U		14	U		14	U		13	U	
Toluene	ug/Kg	13800	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
trans-1,3-Dichloropropene	ug/Kg	3	2.9	U		2.7	U		2.2	U		2.8	U		2.8	U		2.7	U	
1,1,2-Trichloroethane	ug/Kg	32	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
Tetrachloroethene	ug/Kg	46	**12000**		A	**14000**		A	5.6	U		13		#	4.5	J	#	46		#
2-Hexanone	ug/Kg	158	14	U		14	U		11	U		14	U		14	U		13	U	
Dibromochloromethane	ug/Kg	420	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
1,2-Dibromoethane	ug/Kg	0.28	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
Chlorobenzene	ug/Kg	1360	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
Ethylbenzene	ug/Kg	5400	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
o-Xylene	ug/Kg	3800	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
m,p-Xylene	ug/Kg	3600	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
Styrene	ug/Kg	2200	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
Bromoform	ug/Kg	420	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
Isopropylbenzene	ug/Kg	12800	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	2.9	U		2.7	U		2.2	U		2.8	U		2.8	U		2.7	U	
1,3-Dichlorobenzene	ug/Kg	N/A	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
1,4-Dichlorobenzene	ug/Kg	1440	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
1,2-Dichlorobenzene	ug/Kg	11600	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
1,2,3-Trichlorobenzene	ug/Kg	300	7.2	U		6.8	U		5.6	U		6.9	U		7.1	U		6.7	U	
Additional Parameters																				
pH	s.u.	N/A										4.8		~						
Total Organic Carbon	mg/Kg	N/A										4346		~						

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

	Sample Code	RMSB-12-F	RMSB-12-G	RMSB-13-A	RMSB-13-B	RMSB-13-C	RMSB-13-D
	Location	RMSB-12	RMSB-12	RMSB-13	RMSB-13	RMSB-13	RMSB-13
	Sample Date	4/30/2010	4/30/2010	4/30/2010	4/30/2010	4/30/2010	4/30/2010
	Depth	44 to 48 ft	36 to 60 ft	2 to 4 ft	4 to 8 ft	8 to 12 ft	20 to 24 ft

Notes:
Highlight indicates exceedance
SC - Site Specific Screening Criteria
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

Q - Qualifier
C - Comparison Flag

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-13-E			RMSB-13-F			RMSB-13-G			RMSB-14-A			RMSB-14-B			RMSB-14-C		
		Location	RMSB-13			RMSB-13			RMSB-13			RMSB-14			RMSB-14			RMSB-14		
		Sample Date	4/30/2010			5/3/2010			5/12/2010			5/6/2010			5/6/2010			5/6/2010		
		Depth	32 to 36 ft			44 to 48 ft			56 to 60 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	7.9	U		7.4	U		390	U		7.7	U		6.9	U		6.4	U	
Chloromethane	ug/Kg	980	7.9	U		7.4	U		250	J	#	7.7	U		6.9	U		6.4	U	
Vinyl Chloride	ug/Kg	13.8	7.9	U		7.4	U		390	U		7.7	U		6.9	U		6.4	U	
Bromomethane	ug/Kg	36	7.9	U		7.4	U		390	U		7.7	U		6.9	U		6.4	U	
Chloroethane	ug/Kg	118000	7.9	U		7.4	U		390	U		7.7	U		6.9	U		6.4	U	
Trichlorofluoromethane	ug/Kg	13800	7.9	U		7.4	U		390	U		7.7	U		6.9	U		6.4	U	
1,1-Dichloroethene	ug/Kg	50	7.9	U		7.4	U		390	U		7.7	U		6.9	U		6.4	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	7.9	U		7.4	U		390	U		7.7	U		6.9	U		6.4	U	
Acetone	ug/Kg	48000	16	U		15	U		770	U		92		#	150		#	9.8	J	#
Carbon Disulfide	ug/Kg	4200	7.9	U		7.4	U		390	U		0.64	J	#	0.76	J	#	6.4	U	
Methyl Acetate	ug/Kg	64000	7.9	U		7.4	U		390	U		7.7	U		6.9	U		6.4	U	
Methylene Chloride	ug/Kg	26	7.9	U		7.4	U		390	U		7.7	U		6.9	U		6.4	U	
trans-1,2-Dichloroethene	ug/Kg	580	7.9	U		7.4	U		390	U		7.7	U		6.9	U		6.4	U	
Methyl tert-Butyl Ether	ug/Kg	56	7.9	U		7.4	U		390	U		7.7	U		6.9	U		6.4	U	
1,1-Dichloroethane	ug/Kg	13.6	7.9	U		7.4	U		390	U		7.7	U		6.9	U		6.4	U	
cis-1,2-Dichloroethene	ug/Kg	420	190		#	190		#	270	J	#	7.7	U		6.9	U		6.4	U	
2-Butanone	ug/Kg	20000	16	U		15	U		770	U		10	J	#	11	J	#	13	U	
Chlorobromomethane	ug/Kg	420	7.9	U		7.4	U		390	U		7.7	U		6.9	U		6.4	U	
Chloroform	ug/Kg	290	7.9	U		7.4	U		390	U		7.7	U		6.9	U		6.4	U	
1,1,1-Trichloroethane	ug/Kg	1400	7.9	U		7.4	U		390	U		7.7	U		6.9	U		6.4	U	
Cyclohexane	ug/Kg	117000	7.9	U		7.4	U		390	U		7.7	U		6.9	U		6.4	U	
Carbon Tetrachloride	ug/Kg	38	7.9	U		7.4	U		390	U		7.7	U		6.9	U		6.4	U	
Benzene	ug/Kg	52	7.9	U		7.4	U		390	U		7.7	U		6.9	U		6.4	U	
1,2-Dichloroethane	ug/Kg	28	7.9	U		7.4	U		390	U		7.7	U		6.9	U		6.4	U	
1,4-Dioxane	ug/Kg	2.8	160	R		150	R		7700	R		150	R		140	R		130	R	
Trichloroethene	ug/Kg	36	34		#	**59**		A	390	U		7.7	UJ		6.9	UJ		6.4	UJ	

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-13-E				RMSB-13-F				RMSB-13-G				RMSB-14-A				RMSB-14-B				RMSB-14-C			
		Location	RMSB-13				RMSB-13				RMSB-13				RMSB-14				RMSB-14				RMSB-14			
		Sample Date	4/30/2010				5/3/2010				5/12/2010				5/6/2010				5/6/2010				5/6/2010			
		Depth	32 to 36 ft				44 to 48 ft				56 to 60 ft				0 to 4 ft				4 to 8 ft				8 to 12 ft			
Metylcyclohexane	ug/Kg	N/A	7.9	U			7.4	U			390	U			7.7	U			6.9	U			6.4	U		
1,2-Dichloropropane	ug/Kg	34	7.9	U			7.4	U			390	U			7.7	U			6.9	U			6.4	U		
Bromodichloromethane	ug/Kg	270	7.9	U			7.4	U			390	U			7.7	U			6.9	U			6.4	U		
cis-1,3-Dichloropropene	ug/Kg	3	3.2	U			3	U			390	U			3.1	U			2.7	U			2.6	U		
4-Methyl-2-pentanone	ug/Kg	4600	16	U			15	U			770	U			15	U			14	U			13	U		
Toluene	ug/Kg	13800	7.9	U			7.4	U			390	U			7.7	U			6.9	U			6.4	U		
trans-1,3-Dichloropropene	ug/Kg	3	3.2	U			3	U			390	U			3.1	U			2.7	U			2.6	U		
1,1,2-Trichloroethane	ug/Kg	32	7.9	U			7.4	U			390	U			7.7	U			6.9	U			6.4	U		
Tetrachloroethene	ug/Kg	46	**420**	J	A		**740**	J	A		**2000**		A		7.7	U			6.9	U			6.9			#
2-Hexanone	ug/Kg	158	16	U			15	U			770	U			15	U			14	U			13	U		
Dibromochloromethane	ug/Kg	420	7.9	U			7.4	U			390	U			7.7	U			6.9	U			6.4	U		
1,2-Dibromoethane	ug/Kg	0.28	7.9	U			7.4	U			390	U			7.7	U			6.9	U			6.4	U		
Chlorobenzene	ug/Kg	1360	7.9	U			7.4	U			390	U			7.7	U			6.9	U			6.4	U		
Ethylbenzene	ug/Kg	5400	7.9	U			7.4	U			390	U			7.7	U			6.9	U			6.4	U		
o-Xylene	ug/Kg	3800	7.9	U			7.4	U			390	U			7.7	U			6.9	U			6.4	U		
m,p-Xylene	ug/Kg	3600	7.9	U			7.4	U			390	U			7.7	U			6.9	U			6.4	U		
Styrene	ug/Kg	2200	7.9	U			7.4	U			390	U			7.7	U			6.9	U			6.4	U		
Bromoform	ug/Kg	420	7.9	U			7.4	U			390	U			7.7	U			6.9	U			6.4	U		
Isopropylbenzene	ug/Kg	12800	7.9	U			7.4	U			390	U			7.7	U			6.9	U			6.4	U		
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	3.2	U			3	U			390	U			3.1	U			2.7	U			2.6	U		
1,3-Dichlorobenzene	ug/Kg	N/A	7.9	U			7.4	U			390	U			7.7	U			6.9	U			6.4	U		
1,4-Dichlorobenzene	ug/Kg	1440	7.9	U			7.4	U			390	U			7.7	U			6.9	U			6.4	U		
1,2-Dichlorobenzene	ug/Kg	11600	7.9	U			7.4	U			390	U			7.7	U			6.9	U			6.4	U		
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	7.9	U			7.4	U			390	U			7.7	U			6.9	U			6.4	U		
1,2,4-Trichlorobenzene	ug/Kg	4000	7.9	U			7.4	U			390	U			7.7	U			6.9	U			6.4	U		
1,2,3-Trichlorobenzene	ug/Kg	300	7.9	U			7.4	U			390	U			7.7	U			6.9	U			6.4	U		
Additional Parameters																										
pH	s.u.	N/A	5.55		~										7.52		~									
Total Organic Carbon	mg/Kg	N/A	2869		~										4990		~									

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

	Sample Code	RMSB-13-E	RMSB-13-F	RMSB-13-G	RMSB-14-A	RMSB-14-B	RMSB-14-C
	Location	RMSB-13	RMSB-13	RMSB-13	RMSB-14	RMSB-14	RMSB-14
	Sample Date	4/30/2010	5/3/2010	5/12/2010	5/6/2010	5/6/2010	5/6/2010
	Depth	32 to 36 ft	44 to 48 ft	56 to 60 ft	0 to 4 ft	4 to 8 ft	8 to 12 ft

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Comparison Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-14-D			RMSB-14-E			RMSB-14-F			RMSB-14-G			RMSB-14-H			RMSB-15-A		
		Location	RMSB-14			RMSB-14			RMSB-14			RMSB-14			RMSB-14			RMSB-15		
		Sample Date	5/6/2010			5/6/2010			5/6/2010			5/6/2010			5/6/2010			5/6/2010		
		Depth	20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			68 to 72 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
Chloromethane	ug/Kg	980	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
Vinyl Chloride	ug/Kg	13.8	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
Bromomethane	ug/Kg	36	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
Chloroethane	ug/Kg	118000	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
Trichlorofluoromethane	ug/Kg	13800	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
1,1-Dichloroethene	ug/Kg	50	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
Acetone	ug/Kg	48000	12	J	#	16	U		15	U		14	U		14	U		12	U	
Carbon Disulfide	ug/Kg	4200	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
Methyl Acetate	ug/Kg	64000	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
Methylene Chloride	ug/Kg	26	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
trans-1,2-Dichloroethene	ug/Kg	580	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
Methyl tert-Butyl Ether	ug/Kg	56	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
1,1-Dichloroethane	ug/Kg	13.6	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
cis-1,2-Dichloroethene	ug/Kg	420	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
2-Butanone	ug/Kg	20000	15	U		16	U		15	U		14	U		14	U		12	U	
Chlorobromomethane	ug/Kg	420	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
Chloroform	ug/Kg	290	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
1,1,1-Trichloroethane	ug/Kg	1400	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
Cyclohexane	ug/Kg	117000	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
Carbon Tetrachloride	ug/Kg	38	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
Benzene	ug/Kg	52	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
1,2-Dichloroethane	ug/Kg	28	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
1,4-Dioxane	ug/Kg	2.8	150	R		160	R		150	R		140	R		140	R		120	R	
Trichloroethene	ug/Kg	36	1.8	J	#	8.1	UJ		7.5	UJ		6.8	UJ		6.8	UJ		5.9	UJ	

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-14-D			RMSB-14-E			RMSB-14-F			RMSB-14-G			RMSB-14-H			RMSB-15-A		
		Location	RMSB-14			RMSB-14			RMSB-14			RMSB-14			RMSB-14			RMSB-15		
		Sample Date	5/6/2010			5/6/2010			5/6/2010			5/6/2010			5/6/2010			5/6/2010		
		Depth	20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			68 to 72 ft			0 to 4 ft		
Metylcyclohexane	ug/Kg	N/A	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
1,2-Dichloropropane	ug/Kg	34	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
Bromodichloromethane	ug/Kg	270	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
cis-1,3-Dichloropropene	ug/Kg	3	3	U		3.2	U		3	U		2.7	U		2.7	U		2.4	U	
4-Methyl-2-pentanone	ug/Kg	4600	15	U		16	U		15	U		14	U		14	U		12	U	
Toluene	ug/Kg	13800	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
trans-1,3-Dichloropropene	ug/Kg	3	3	U		3.2	U		3	U		2.7	U		2.7	U		2.4	U	
1,1,2-Trichloroethane	ug/Kg	32	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
Tetrachloroethene	ug/Kg	46	**71**		A	32		#	**51**		A	**120**		A	**290**	J	A	14		#
2-Hexanone	ug/Kg	158	15	U		16	U		15	U		14	U		14	U		12	U	
Dibromochloromethane	ug/Kg	420	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
1,2-Dibromoethane	ug/Kg	0.28	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
Chlorobenzene	ug/Kg	1360	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
Ethylbenzene	ug/Kg	5400	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
o-Xylene	ug/Kg	3800	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
m,p-Xylene	ug/Kg	3600	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
Styrene	ug/Kg	2200	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
Bromoform	ug/Kg	420	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
Isopropylbenzene	ug/Kg	12800	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	3	U		3.2	U		3	U		2.7	U		2.7	U		2.4	U	
1,3-Dichlorobenzene	ug/Kg	N/A	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
1,4-Dichlorobenzene	ug/Kg	1440	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
1,2-Dichlorobenzene	ug/Kg	11600	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
1,2,3-Trichlorobenzene	ug/Kg	300	7.6	U		8.1	U		7.5	U		6.8	U		6.8	U		5.9	U	
Additional Parameters																				
pH	s.u.	N/A							5.76		~							7.47		~
Total Organic Carbon	mg/Kg	N/A							1150		~							6020		~

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

	Sample Code	RMSB-14-D	RMSB-14-E	RMSB-14-F	RMSB-14-G	RMSB-14-H	RMSB-15-A
	Location	RMSB-14	RMSB-14	RMSB-14	RMSB-14	RMSB-14	RMSB-15
	Sample Date	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010
	Depth	20 to 24 ft	32 to 36 ft	44 to 48 ft	56 to 60 ft	68 to 72 ft	0 to 4 ft

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

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U - non-detect

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PCB - Polychlorinated Biphenyl

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B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-15-B			RMSB-15-C			RMSB-15-E			RMSB-15-F			RMSB-15-G			RMSB-15-H		
		Location	RMSB-15			RMSB-15			RMSB-15			RMSB-15			RMSB-15			RMSB-15		
		Sample Date	5/6/2010			5/6/2010			5/6/2010			5/6/2010			5/6/2010			5/6/2010		
		Depth	4 to 8 ft			8 to 12 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			68 to 72 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
Chloromethane	ug/Kg	980	7.3	U		6.6	U		6.9	U		6.7	U		330	J	#	7.1	U	
Vinyl Chloride	ug/Kg	13.8	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
Bromomethane	ug/Kg	36	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
Chloroethane	ug/Kg	118000	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
Trichlorofluoromethane	ug/Kg	13800	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
1,1-Dichloroethene	ug/Kg	50	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
Acetone	ug/Kg	48000	12	J	#	5.7	J	#	14	U		13	U		810	U		14	U	
Carbon Disulfide	ug/Kg	4200	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
Methyl Acetate	ug/Kg	64000	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
Methylene Chloride	ug/Kg	26	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
trans-1,2-Dichloroethene	ug/Kg	580	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
Methyl tert-Butyl Ether	ug/Kg	56	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
1,1-Dichloroethane	ug/Kg	13.6	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
cis-1,2-Dichloroethene	ug/Kg	420	7.3	U		6.6	U		58		#	34		#	400	U		8.6		#
2-Butanone	ug/Kg	20000	15	U		13	U		14	U		13	U		810	U		14	U	
Chlorobromomethane	ug/Kg	420	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
Chloroform	ug/Kg	290	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
1,1,1-Trichloroethane	ug/Kg	1400	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
Cyclohexane	ug/Kg	117000	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
Carbon Tetrachloride	ug/Kg	38	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
Benzene	ug/Kg	52	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
1,2-Dichloroethane	ug/Kg	28	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
1,4-Dioxane	ug/Kg	2.8	150	R		130	R		140	R		130	R		8100	R		140	R	
Trichloroethene	ug/Kg	36	7.3	UJ		6.6	UJ		26	J	#	16	J	#	400	U		7	J	#

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-15-B			RMSB-15-C			RMSB-15-E			RMSB-15-F			RMSB-15-G			RMSB-15-H		
		Location	RMSB-15			RMSB-15			RMSB-15			RMSB-15			RMSB-15			RMSB-15		
		Sample Date	5/6/2010			5/6/2010			5/6/2010			5/6/2010			5/6/2010			5/6/2010		
		Depth	4 to 8 ft			8 to 12 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			68 to 72 ft		
Metylcyclohexane	ug/Kg	N/A	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
1,2-Dichloropropane	ug/Kg	34	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
Bromodichloromethane	ug/Kg	270	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
cis-1,3-Dichloropropene	ug/Kg	3	2.9	U		2.6	U		2.7	U		2.7	U		160	U		2.8	U	
4-Methyl-2-pentanone	ug/Kg	4600	15	U		13	U		14	U		13	U		810	U		14	U	
Toluene	ug/Kg	13800	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
trans-1,3-Dichloropropene	ug/Kg	3	2.9	U		2.6	U		2.7	U		2.7	U		160	U		2.8	U	
1,1,2-Trichloroethane	ug/Kg	32	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
Tetrachloroethene	ug/Kg	46	14		#	21		#	**220**	J	A	**380**	J	A	**410**		A	**230**	J	A
2-Hexanone	ug/Kg	158	15	U		13	U		14	U		13	U		810	U		14	U	
Dibromochloromethane	ug/Kg	420	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
1,2-Dibromoethane	ug/Kg	0.28	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
Chlorobenzene	ug/Kg	1360	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
Ethylbenzene	ug/Kg	5400	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
o-Xylene	ug/Kg	3800	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
m,p-Xylene	ug/Kg	3600	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
Styrene	ug/Kg	2200	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
Bromoform	ug/Kg	420	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
Isopropylbenzene	ug/Kg	12800	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	2.9	U		2.6	U		2.7	U		2.7	U		160	U		2.8	U	
1,3-Dichlorobenzene	ug/Kg	N/A	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
1,4-Dichlorobenzene	ug/Kg	1440	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
1,2-Dichlorobenzene	ug/Kg	11600	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
1,2,3-Trichlorobenzene	ug/Kg	300	7.3	U		6.6	U		6.9	U		6.7	U		400	U		7.1	U	
Additional Parameters																				
pH	s.u.	N/A													6.45		~			
Total Organic Carbon	mg/Kg	N/A													1330		~			

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

	Sample Code	RMSB-15-B	RMSB-15-C	RMSB-15-E	RMSB-15-F	RMSB-15-G	RMSB-15-H
	Location	RMSB-15	RMSB-15	RMSB-15	RMSB-15	RMSB-15	RMSB-15
	Sample Date	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010
	Depth	4 to 8 ft	8 to 12 ft	32 to 36 ft	44 to 48 ft	56 to 60 ft	68 to 72 ft

Notes:
Highlight indicates exceedance
SC - Site Specific Screening Criteria
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

Q - Qualifier
C - Comparison Flag

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-16-A			RMSB-16-B			RMSB-16-C			RMSB-16-D			RMSB-16-E			RMSB-16-F		
		Location	RMSB-16			RMSB-16			RMSB-16			RMSB-16			RMSB-16			RMSB-16		
		Sample Date	5/7/2010			5/7/2010			5/7/2010			5/7/2010			5/7/2010			5/7/2010		
		Depth	0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
Chloromethane	ug/Kg	980	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
Vinyl Chloride	ug/Kg	13.8	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
Bromomethane	ug/Kg	36	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
Chloroethane	ug/Kg	118000	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
Trichlorofluoromethane	ug/Kg	13800	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
1,1-Dichloroethene	ug/Kg	50	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
Acetone	ug/Kg	48000	5.4	J	#	4.1	J	#	4.2	J	#	7.1	J	#	8.1	J	#	15	U	
Carbon Disulfide	ug/Kg	4200	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
Methyl Acetate	ug/Kg	64000	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
Methylene Chloride	ug/Kg	26	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
trans-1,2-Dichloroethene	ug/Kg	580	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
Methyl tert-Butyl Ether	ug/Kg	56	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
1,1-Dichloroethane	ug/Kg	13.6	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
cis-1,2-Dichloroethene	ug/Kg	420	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
2-Butanone	ug/Kg	20000	13	U		11	U		13	U		15	U		15	U		15	U	
Chlorobromomethane	ug/Kg	420	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
Chloroform	ug/Kg	290	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
Cyclohexane	ug/Kg	117000	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
Carbon Tetrachloride	ug/Kg	38	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
Benzene	ug/Kg	52	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
1,2-Dichloroethane	ug/Kg	28	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
1,4-Dioxane	ug/Kg	2.8	130	R		110	R		130	R		150	R		150	R		150	R	
Trichloroethene	ug/Kg	36	6.3	U		5.6	U		6.3	UJ		7.6	UJ		7.6	U		7.6	U	

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-16-A			RMSB-16-B			RMSB-16-C			RMSB-16-D			RMSB-16-E			RMSB-16-F		
		Location	RMSB-16			RMSB-16			RMSB-16			RMSB-16			RMSB-16			RMSB-16		
		Sample Date	5/7/2010			5/7/2010			5/7/2010			5/7/2010			5/7/2010			5/7/2010		
		Depth	0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft		
Metylcyclohexane	ug/Kg	N/A	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
1,2-Dichloropropane	ug/Kg	34	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
Bromodichloromethane	ug/Kg	270	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
cis-1,3-Dichloropropene	ug/Kg	3	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
4-Methyl-2-pentanone	ug/Kg	4600	13	U		11	U		13	U		15	U		15	U		15	U	
Toluene	ug/Kg	13800	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
trans-1,3-Dichloropropene	ug/Kg	3	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
1,1,2-Trichloroethane	ug/Kg	32	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
Tetrachloroethene	ug/Kg	46	5.5	J	#	5.3	J	#	5.3	J	#	22		#	0.97	J	#	12		#
2-Hexanone	ug/Kg	158	13	U		11	U		13	U		15	U		15	U		15	U	
Dibromochloromethane	ug/Kg	420	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
1,2-Dibromoethane	ug/Kg	0.28	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
Chlorobenzene	ug/Kg	1360	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
Ethylbenzene	ug/Kg	5400	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
o-Xylene	ug/Kg	3800	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
m,p-Xylene	ug/Kg	3600	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
Styrene	ug/Kg	2200	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
Bromoform	ug/Kg	420	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
Isopropylbenzene	ug/Kg	12800	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
1,4-Dichlorobenzene	ug/Kg	1440	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
1,2-Dichlorobenzene	ug/Kg	11600	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
1,2,3-Trichlorobenzene	ug/Kg	300	6.3	U		5.6	U		6.3	U		7.6	U		7.6	U		7.6	U	
Additional Parameters																				
pH	s.u.	N/A				6.3		~										5.9		~
Total Organic Carbon	mg/Kg	N/A				2380		~										2090		~

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

	Sample Code	RMSB-16-A	RMSB-16-B	RMSB-16-C	RMSB-16-D	RMSB-16-E	RMSB-16-F
	Location	RMSB-16	RMSB-16	RMSB-16	RMSB-16	RMSB-16	RMSB-16
	Sample Date	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010
	Depth	0 to 4 ft	4 to 8 ft	8 to 12 ft	20 to 24 ft	32 to 36 ft	44 to 48 ft

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Comparison Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-16-G			RMSB-16-H			RMSB-17-A			RMSB-17-B			RMSB-17-C			RMSB-17-D			RMSB-17
		Location	RMSB-16			RMSB-16			RMSB-17			RMSB-17			RMSB-17			RMSB-17			RMSB-1
		Sample Date	5/7/2010			5/7/2010			5/7/2010			5/7/2010			5/7/2010			5/7/2010			5/7/201
		Depth	56 to 60 ft			68 to 72 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result
Volatile Organic Compounds																					
Dichlorodifluoromethane	ug/Kg	6000	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
Chloromethane	ug/Kg	980	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
Vinyl Chloride	ug/Kg	13.8	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
Bromomethane	ug/Kg	36	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
Chloroethane	ug/Kg	118000	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
Trichlorofluoromethane	ug/Kg	13800	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
1,1-Dichloroethene	ug/Kg	50	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
Acetone	ug/Kg	48000	14	U		13	U		11	U		6	J	#	14	U		7	J	#	7.4
Carbon Disulfide	ug/Kg	4200	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
Methyl Acetate	ug/Kg	64000	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
Methylene Chloride	ug/Kg	26	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
trans-1,2-Dichloroethene	ug/Kg	580	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
Methyl tert-Butyl Ether	ug/Kg	56	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
1,1-Dichloroethane	ug/Kg	13.6	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
cis-1,2-Dichloroethene	ug/Kg	420	0.57	J	#	6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
2-Butanone	ug/Kg	20000	14	U		13	U		11	U		14	U		14	U		15	U		17
Chlorobromomethane	ug/Kg	420	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
Chloroform	ug/Kg	290	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
1,1,1-Trichloroethane	ug/Kg	1400	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
Cyclohexane	ug/Kg	117000	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
Carbon Tetrachloride	ug/Kg	38	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
Benzene	ug/Kg	52	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
1,2-Dichloroethane	ug/Kg	28	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
1,4-Dioxane	ug/Kg	2.8	140	R		130	R		110	R		140	R		140	R		150	R		170
Trichloroethene	ug/Kg	36	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-16-G			RMSB-16-H			RMSB-17-A			RMSB-17-B			RMSB-17-C			RMSB-17-D			RMSB-17
		Location	RMSB-16			RMSB-16			RMSB-17			RMSB-17			RMSB-17			RMSB-17			RMSB-1
		Sample Date	5/7/2010			5/7/2010			5/7/2010			5/7/2010			5/7/2010			5/7/2010			5/7/201
		Depth	56 to 60 ft			68 to 72 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36
Metylcyclohexane	ug/Kg	N/A	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
1,2-Dichloropropane	ug/Kg	34	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
Bromodichloromethane	ug/Kg	270	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
cis-1,3-Dichloropropene	ug/Kg	3	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
4-Methyl-2-pentanone	ug/Kg	4600	14	U		13	U		11	U		14	U		14	U		15	U		17
Toluene	ug/Kg	13800	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
trans-1,3-Dichloropropene	ug/Kg	3	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
1,1,2-Trichloroethane	ug/Kg	32	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
Tetrachloroethene	ug/Kg	46	34		#	37		#	2	J	#	2.9	J	#	4.9	J	#	6.2	J	#	8.3
2-Hexanone	ug/Kg	158	14	U		13	U		11	U		14	U		14	U		15	U		17
Dibromochloromethane	ug/Kg	420	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
1,2-Dibromoethane	ug/Kg	0.28	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
Chlorobenzene	ug/Kg	1360	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
Ethylbenzene	ug/Kg	5400	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
o-Xylene	ug/Kg	3800	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
m,p-Xylene	ug/Kg	3600	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
Styrene	ug/Kg	2200	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
Bromoform	ug/Kg	420	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
Isopropylbenzene	ug/Kg	12800	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
1,3-Dichlorobenzene	ug/Kg	N/A	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
1,4-Dichlorobenzene	ug/Kg	1440	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
1,2-Dichlorobenzene	ug/Kg	11600	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
1,2,4-Trichlorobenzene	ug/Kg	4000	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
1,2,3-Trichlorobenzene	ug/Kg	300	7	U		6.3	U		5.5	U		7	U		7.1	U		7.7	U		8.3
Additional Parameters																					
pH	s.u.	N/A							5.31		~										5.36
Total Organic Carbon	mg/Kg	N/A							1580		~										1820

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

	Sample Code	RMSB-16-G	RMSB-16-H	RMSB-17-A	RMSB-17-B	RMSB-17-C	RMSB-17-D	RMSB-17
	Location	RMSB-16	RMSB-16	RMSB-17	RMSB-17	RMSB-17	RMSB-17	RMSB-1
	Sample Date	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/201
	Depth	56 to 60 ft	68 to 72 ft	0 to 4 ft	4 to 8 ft	8 to 12 ft	20 to 24 ft	32 to 36

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Comparison Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	-E		RMSB-18-A			RMSB-18-B			RMSB-18-C			RMSB-18-D			RMSB-18-E			RMSB-18-F		
		Location	7		RMSB-18			RMSB-18			RMSB-18			RMSB-18			RMSB-18			RMSB-18		
		Sample Date	0		5/10/2010			5/10/2010			5/10/2010			5/10/2010			5/10/2010			5/10/2010		
		Depth	ft		0 to 4 ft			8 to 12 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft		
Chemical Name	Unit	SC	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																						
Dichlorodifluoromethane	ug/Kg	6000	U		7.3	U		7.9	U		5.8	U		7.2	U		7.3	U		7.4	U	
Chloromethane	ug/Kg	980	U		7.3	U		7.9	U		5.8	U		7.2	U		7.3	U		7.4	U	
Vinyl Chloride	ug/Kg	13.8	U		**910**	J	A	**2000**		A	**400**	J	A	**100**	J	A	**160**	J	A	**42**	J	A
Bromomethane	ug/Kg	36	U		7.3	U		7.9	U		5.8	U		7.2	U		7.3	U		7.4	U	
Chloroethane	ug/Kg	118000	U		7.3	U		7.9	U		5.8	U		7.2	U		7.3	U		7.4	U	
Trichlorofluoromethane	ug/Kg	13800	U		7.3	U		7.9	U		5.8	UJ		7.2	UJ		7.3	U		7.4	U	
1,1-Dichloroethene	ug/Kg	50	U		**74**		A	26		#	**120**		A	7.2	U		7.3	U		7.4	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	U		7.3	U		7.9	U		5.8	UJ		7.2	UJ		7.3	U		7.4	U	
Acetone	ug/Kg	48000	J	#	99		#	880	J	#	850	J	#	3600	J	#	120		#	5.2	J	#
Carbon Disulfide	ug/Kg	4200	U		7.3	U		19		#	69		#	2.4	J	#	7.3	U		7.4	U	
Methyl Acetate	ug/Kg	64000	U		7.3	U		1.8	J	#	5.8	UJ		8.4	J	#	7.3	U		7.4	U	
Methylene Chloride	ug/Kg	26	U		7.3	U		7.9	U		5.8	UJ		7.2	UJ		7.3	U		7.4	U	
trans-1,2-Dichloroethene	ug/Kg	580	U		7.4		#	53		#	92		#	7.2	U		1.8	J	#	0.94	J	#
Methyl tert-Butyl Ether	ug/Kg	56	U		7.3	U		7.9	U		5.8	UJ		7.2	UJ		7.3	U		7.4	U	
1,1-Dichloroethane	ug/Kg	13.6	U		11		#	**17**		A	**47**	J	A	5	J	#	6.4	J	#	2.6	J	#
cis-1,2-Dichloroethene	ug/Kg	420	U		**6900**	J	A	**41000**		A	**620**		A	**2600**		A	**6300**		A	**760**		A
2-Butanone	ug/Kg	20000	U		15	U		370		#	110		#	4600		#	310		#	15	U	
Chlorobromomethane	ug/Kg	420	U		7.3	U		7.9	U		5.8	UJ		7.2	U		7.3	U		7.4	U	
Chloroform	ug/Kg	290	U		7.3	U		4.5	J	#	8.1	J	#	7.2	U		7.3	U		7.4	U	
1,1,1-Trichloroethane	ug/Kg	1400	U		45		#	7.9	U		10	J	#	7.2	UJ		7.3	U		7.4	U	
Cyclohexane	ug/Kg	117000	U		7.3	U		7.9	U		5.8	U		7.2	U		7.3	U		7.4	U	
Carbon Tetrachloride	ug/Kg	38	U		7.3	U		7.9	U		5.8	UJ		7.2	UJ		7.3	U		7.4	U	
Benzene	ug/Kg	52	U		7.3	U		7.9	U		1.1	J	#	7.2	U		7.3	U		7.4	U	
1,2-Dichloroethane	ug/Kg	28	U		7.3	U		7.9	U		5.8	UJ		7.2	UJ		7.3	U		7.4	U	
1,4-Dioxane	ug/Kg	2.8	R		150	R		**120**	J	A	**100**	J	A	**690**	J	A	**410**	J	A	150	R	
Trichloroethene	ug/Kg	36	U		**2700**	J	A	3.3	J	#	**1400**	J	A	1.9	J	#	**120**		A	**100**		A

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	-E		RMSB-18-A			RMSB-18-B			RMSB-18-C			RMSB-18-D			RMSB-18-E			RMSB-18-F		
		Location	7		RMSB-18			RMSB-18			RMSB-18			RMSB-18			RMSB-18			RMSB-18		
		Sample Date	0		5/10/2010			5/10/2010			5/10/2010			5/10/2010			5/10/2010			5/10/2010		
		Depth	ft		0 to 4 ft			8 to 12 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft		
Metylcyclohexane	ug/Kg	N/A	U		7.3	U		3	J	~	5.2	J	~	7.2	U		7.3	U		7.4	U	
1,2-Dichloropropane	ug/Kg	34	U		7.3	U		7.9	U		5.8	U		7.2	U		7.3	U		7.4	U	
Bromodichloromethane	ug/Kg	270	U		7.3	U		7.9	U		5.8	U		7.2	U		7.3	U		7.4	U	
cis-1,3-Dichloropropene	ug/Kg	3	U		7.3	U		7.9	U		5.8	U		7.2	U		7.3	U		7.4	U	
4-Methyl-2-pentanone	ug/Kg	4600	U		15	U		13	J	#	15		#	18		#	2.9	J	#	15	U	
Toluene	ug/Kg	13800	U		87		#	230		#	390	J	#	7.2	U		7.3	U		7.4	U	
trans-1,3-Dichloropropene	ug/Kg	3	U		7.3	U		7.9	U		5.8	U		7.2	U		7.3	U		7.4	U	
1,1,2-Trichloroethane	ug/Kg	32	U		7.3	U		7.9	U		5.8	U		7.2	U		7.3	U		7.4	U	
Tetrachloroethene	ug/Kg	46	U		**3300000**		A	**790**	J	A	**210**	J	A	**340**	J	A	**830**		A	**320**	J	A
2-Hexanone	ug/Kg	158	U		15	U		16	U		12	U		7.3	J	#	15	U		15	U	
Dibromochloromethane	ug/Kg	420	U		7.3	U		7.9	U		5.8	UJ		7.2	U		7.3	U		7.4	U	
1,2-Dibromoethane	ug/Kg	0.28	U		7.3	U		7.9	U		5.8	UJ		7.2	UJ		7.3	U		7.4	U	
Chlorobenzene	ug/Kg	1360	U		7.3	U		7.9	U		5.8	U		7.2	U		7.3	U		7.4	U	
Ethylbenzene	ug/Kg	5400	U		1.5	J	#	8		#	11		#	7.2	U		7.3	U		7.4	U	
o-Xylene	ug/Kg	3800	U		3	J	#	21		#	29		#	7.2	U		7.3	U		7.4	U	
m,p-Xylene	ug/Kg	3600	U		6.2	J	#	48		#	64		#	0.66	J	#	7.3	U		7.4	U	
Styrene	ug/Kg	2200	U		7.3	U		7.9	U		5.8	U		7.2	U		7.3	U		7.4	U	
Bromoform	ug/Kg	420	U		7.3	U		7.9	U		5.8	UJ		7.2	U		7.3	U		7.4	U	
Isopropylbenzene	ug/Kg	12800	U		0.8	J	#	1.1	J	#	2.1	J	#	7.2	U		7.3	U		7.4	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	U		7.3	U		7.9	U		5.8	U		7.2	U		7.3	U		7.4	U	
1,3-Dichlorobenzene	ug/Kg	N/A	U		7.3	U		7.9	U		5.8	U		7.2	U		7.3	U		7.4	U	
1,4-Dichlorobenzene	ug/Kg	1440	U		7.3	U		7.9	U		5.8	U		7.2	U		7.3	U		7.4	U	
1,2-Dichlorobenzene	ug/Kg	11600	U		7.3	U		7.9	U		5.8	U		7.2	U		7.3	U		7.4	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	U		7.3	U		7.9	U		5.8	U		7.2	U		7.3	U		7.4	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	U		7.3	U		7.9	U		5.8	U		7.2	U		7.3	U		7.4	U	
1,2,3-Trichlorobenzene	ug/Kg	300	U		7.3	U		7.9	U		5.8	U		7.2	U		7.3	U		7.4	U	
Additional Parameters																						
pH	s.u.	N/A		~	7.1		~													6.17		~
Total Organic Carbon	mg/Kg	N/A		~	6230		~													1340		~

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

	Sample Code	-E	RMSB-18-A	RMSB-18-B	RMSB-18-C	RMSB-18-D	RMSB-18-E	RMSB-18-F
	Location	7	RMSB-18	RMSB-18	RMSB-18	RMSB-18	RMSB-18	RMSB-18
	Sample Date	0	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010
	Depth	ft	0 to 4 ft	8 to 12 ft	8 to 12 ft	20 to 24 ft	32 to 36 ft	44 to 48 ft

Notes:

Highlight indicates exceedance

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ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

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R - rejected data

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COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

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CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-18-G			RMSB-18-H			RMSB-19-A			RMSB-19-B			RMSB-19-C			RMSB-19-D		
		Location	RMSB-18			RMSB-18			RMSB-19			RMSB-19			RMSB-19			RMSB-19		
		Sample Date	5/10/2010			5/10/2010			5/12/2010			5/11/2010			5/11/2010			5/11/2010		
		Depth	56 to 60 ft			68 to 72 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
Chloromethane	ug/Kg	980	330	J	#	490	U		5.4	U		6.2	U		6.7	U		6.6	U	
Vinyl Chloride	ug/Kg	13.8	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
Bromomethane	ug/Kg	36	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
Chloroethane	ug/Kg	118000	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
Trichlorofluoromethane	ug/Kg	13800	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
1,1-Dichloroethene	ug/Kg	50	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
Acetone	ug/Kg	48000	1100	U		990	U		50		#	12	U		13	U		4	J	#
Carbon Disulfide	ug/Kg	4200	530	U		490	U		1	J	#	6.2	U		6.7	U		6.6	U	
Methyl Acetate	ug/Kg	64000	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
Methylene Chloride	ug/Kg	26	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
trans-1,2-Dichloroethene	ug/Kg	580	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
Methyl tert-Butyl Ether	ug/Kg	56	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
1,1-Dichloroethane	ug/Kg	13.6	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
cis-1,2-Dichloroethene	ug/Kg	420	**1300**		A	380	J	#	5.4	U		6.2	U		6.7	U		0.51	J	#
2-Butanone	ug/Kg	20000	1100	U		990	U		8.2	J	#	12	U		13	U		13	U	
Chlorobromomethane	ug/Kg	420	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
Chloroform	ug/Kg	290	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
1,1,1-Trichloroethane	ug/Kg	1400	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
Cyclohexane	ug/Kg	117000	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
Carbon Tetrachloride	ug/Kg	38	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
Benzene	ug/Kg	52	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
1,2-Dichloroethane	ug/Kg	28	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
1,4-Dioxane	ug/Kg	2.8	11000	R		9900	R		110	R		120	R		130	R		130	R	
Trichloroethene	ug/Kg	36	530	U		490	U		1.5	J	#	6.2	U		6.7	U		6.6	U	

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-18-G			RMSB-18-H			RMSB-19-A			RMSB-19-B			RMSB-19-C			RMSB-19-D		
		Location	RMSB-18			RMSB-18			RMSB-19			RMSB-19			RMSB-19			RMSB-19		
		Sample Date	5/10/2010			5/10/2010			5/12/2010			5/11/2010			5/11/2010			5/11/2010		
		Depth	56 to 60 ft			68 to 72 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft		
Metylcyclohexane	ug/Kg	N/A	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
1,2-Dichloropropane	ug/Kg	34	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
Bromodichloromethane	ug/Kg	270	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
cis-1,3-Dichloropropene	ug/Kg	3	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
4-Methyl-2-pentanone	ug/Kg	4600	1100	U		990	U		11	U		12	U		13	U		13	U	
Toluene	ug/Kg	13800	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
trans-1,3-Dichloropropene	ug/Kg	3	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
1,1,2-Trichloroethane	ug/Kg	32	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
Tetrachloroethene	ug/Kg	46	**2700**		A	**1300**		A	9.2		#	23		#	15		#	29		#
2-Hexanone	ug/Kg	158	1100	U		990	U		11	U		12	U		13	U		13	U	
Dibromochloromethane	ug/Kg	420	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
1,2-Dibromoethane	ug/Kg	0.28	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
Chlorobenzene	ug/Kg	1360	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
Ethylbenzene	ug/Kg	5400	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
o-Xylene	ug/Kg	3800	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
m,p-Xylene	ug/Kg	3600	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
Styrene	ug/Kg	2200	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
Bromoform	ug/Kg	420	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
Isopropylbenzene	ug/Kg	12800	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
1,3-Dichlorobenzene	ug/Kg	N/A	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
1,4-Dichlorobenzene	ug/Kg	1440	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
1,2-Dichlorobenzene	ug/Kg	11600	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
1,2,3-Trichlorobenzene	ug/Kg	300	530	U		490	U		5.4	U		6.2	U		6.7	U		6.6	U	
Additional Parameters																				
pH	s.u.	N/A										4.74		~						
Total Organic Carbon	mg/Kg	N/A										4500		~						

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

	Sample Code	RMSB-18-G	RMSB-18-H	RMSB-19-A	RMSB-19-B	RMSB-19-C	RMSB-19-D
	Location	RMSB-18	RMSB-18	RMSB-19	RMSB-19	RMSB-19	RMSB-19
	Sample Date	5/10/2010	5/10/2010	5/12/2010	5/11/2010	5/11/2010	5/11/2010
	Depth	56 to 60 ft	68 to 72 ft	0 to 4 ft	4 to 8 ft	8 to 12 ft	20 to 24 ft

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Comparison Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-19-E			RMSB-19-F			RMSB-19-G			RMSB-20-A			RMSB-20-B			RMSB-20-C		
		Location	RMSB-19			RMSB-19			RMSB-19			RMSB-20			RMSB-20			RMSB-20		
		Sample Date	5/11/2010			5/11/2010			5/11/2010			5/11/2010			5/11/2010			5/11/2010		
		Depth	32 to 36 ft			44 to 48 ft			56 to 60 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
Chloromethane	ug/Kg	980	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
Vinyl Chloride	ug/Kg	13.8	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
Bromomethane	ug/Kg	36	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
Chloroethane	ug/Kg	118000	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
Trichlorofluoromethane	ug/Kg	13800	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
1,1-Dichloroethene	ug/Kg	50	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
Acetone	ug/Kg	48000	15	U		17	U		17	U		12	U		11	U		14	U	
Carbon Disulfide	ug/Kg	4200	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
Methyl Acetate	ug/Kg	64000	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
Methylene Chloride	ug/Kg	26	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
trans-1,2-Dichloroethene	ug/Kg	580	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
Methyl tert-Butyl Ether	ug/Kg	56	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
1,1-Dichloroethane	ug/Kg	13.6	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
cis-1,2-Dichloroethene	ug/Kg	420	3.2	J	#	1.4	J	#	1.4	J	#	6.2	U		5.5	U		0.7	J	#
2-Butanone	ug/Kg	20000	15	U		17	U		17	U		12	U		11	U		14	U	
Chlorobromomethane	ug/Kg	420	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
Chloroform	ug/Kg	290	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
1,1,1-Trichloroethane	ug/Kg	1400	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
Cyclohexane	ug/Kg	117000	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
Carbon Tetrachloride	ug/Kg	38	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
Benzene	ug/Kg	52	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
1,2-Dichloroethane	ug/Kg	28	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
1,4-Dioxane	ug/Kg	2.8	150	R		170	R		170	R		120	R		110	R		140	R	
Trichloroethene	ug/Kg	36	3.8	J	#	1.4	J	#	2.4	J	#	6.2	U		5.5	U		7	U	

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-19-E			RMSB-19-F			RMSB-19-G			RMSB-20-A			RMSB-20-B			RMSB-20-C		
		Location	RMSB-19			RMSB-19			RMSB-19			RMSB-20			RMSB-20			RMSB-20		
		Sample Date	5/11/2010			5/11/2010			5/11/2010			5/11/2010			5/11/2010			5/11/2010		
		Depth	32 to 36 ft			44 to 48 ft			56 to 60 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft		
Metylcyclohexane	ug/Kg	N/A	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
1,2-Dichloropropane	ug/Kg	34	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
Bromodichloromethane	ug/Kg	270	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
cis-1,3-Dichloropropene	ug/Kg	3	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
4-Methyl-2-pentanone	ug/Kg	4600	15	U		17	U		17	U		12	U		11	U		14	U	
Toluene	ug/Kg	13800	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
trans-1,3-Dichloropropene	ug/Kg	3	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
1,1,2-Trichloroethane	ug/Kg	32	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
Tetrachloroethene	ug/Kg	46	**110**		A	37		#	**59**		A	13		#	1.9	J	#	8.7		#
2-Hexanone	ug/Kg	158	15	U		17	U		17	U		12	U		11	U		14	U	
Dibromochloromethane	ug/Kg	420	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
1,2-Dibromoethane	ug/Kg	0.28	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
Chlorobenzene	ug/Kg	1360	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
Ethylbenzene	ug/Kg	5400	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
o-Xylene	ug/Kg	3800	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
m,p-Xylene	ug/Kg	3600	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
Styrene	ug/Kg	2200	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
Bromoform	ug/Kg	420	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
Isopropylbenzene	ug/Kg	12800	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
1,3-Dichlorobenzene	ug/Kg	N/A	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
1,4-Dichlorobenzene	ug/Kg	1440	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
1,2-Dichlorobenzene	ug/Kg	11600	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
1,2,3-Trichlorobenzene	ug/Kg	300	7.6	U		8.3	U		8.3	U		6.2	U		5.5	U		7	U	
Additional Parameters																				
pH	s.u.	N/A							5.45		~	7.39		~						
Total Organic Carbon	mg/Kg	N/A							1550		~	9560		~						

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

	Sample Code	RMSB-19-E	RMSB-19-F	RMSB-19-G	RMSB-20-A	RMSB-20-B	RMSB-20-C
	Location	RMSB-19	RMSB-19	RMSB-19	RMSB-20	RMSB-20	RMSB-20
	Sample Date	5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010
	Depth	32 to 36 ft	44 to 48 ft	56 to 60 ft	0 to 4 ft	4 to 8 ft	8 to 12 ft

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Comparison Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-20-D			RMSB-20-E			RMSB-20-F			RMSB-21-A			RMSB-21-B			RMSB-21-C			RMSB-21
		Location	RMSB-20			RMSB-20			RMSB-20			RM-SB21			RM-SB21			RM-SB21			RM-SB2
		Sample Date	5/11/2010			5/11/2010			5/11/2010			5/13/2010			5/13/2010			5/13/2010			5/13/201
		Depth	20 to 24 ft			32 to 36 ft			44 to 48 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result
Volatile Organic Compounds																					
Dichlorodifluoromethane	ug/Kg	6000	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
Chloromethane	ug/Kg	980	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
Vinyl Chloride	ug/Kg	13.8	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
Bromomethane	ug/Kg	36	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
Chloroethane	ug/Kg	118000	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
Trichlorofluoromethane	ug/Kg	13800	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
1,1-Dichloroethene	ug/Kg	50	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
Acetone	ug/Kg	48000	13	U		15	U		14	U		12	U		13	U		9.7	U		15
Carbon Disulfide	ug/Kg	4200	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
Methyl Acetate	ug/Kg	64000	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
Methylene Chloride	ug/Kg	26	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
trans-1,2-Dichloroethene	ug/Kg	580	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
Methyl tert-Butyl Ether	ug/Kg	56	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
1,1-Dichloroethane	ug/Kg	13.6	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
cis-1,2-Dichloroethene	ug/Kg	420	4.1	J	#	56		#	7.5		#	6.1	U		6.5	U		0.6	J	#	7.5
2-Butanone	ug/Kg	20000	13	U		15	U		14	U		12	U		13	U		9.7	U		15
Chlorobromomethane	ug/Kg	420	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
Chloroform	ug/Kg	290	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
1,1,1-Trichloroethane	ug/Kg	1400	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
Cyclohexane	ug/Kg	117000	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
Carbon Tetrachloride	ug/Kg	38	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
Benzene	ug/Kg	52	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
1,2-Dichloroethane	ug/Kg	28	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
1,4-Dioxane	ug/Kg	2.8	130	R		150	R		140	R		120	R		130	R		97	R		150
Trichloroethene	ug/Kg	36	1.3	J	#	15		#	2	J	#	6.1	U		6.5	U		4.8	U		7.5

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-20-D			RMSB-20-E			RMSB-20-F			RMSB-21-A			RMSB-21-B			RMSB-21-C			RMSB-21
		Location	RMSB-20			RMSB-20			RMSB-20			RM-SB21			RM-SB21			RM-SB21			RM-SB2
		Sample Date	5/11/2010			5/11/2010			5/11/2010			5/13/2010			5/13/2010			5/13/2010			5/13/201
		Depth	20 to 24 ft			32 to 36 ft			44 to 48 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24
Metylcyclohexane	ug/Kg	N/A	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
1,2-Dichloropropane	ug/Kg	34	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
Bromodichloromethane	ug/Kg	270	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
cis-1,3-Dichloropropene	ug/Kg	3	6.7	U		7.3	U		6.9	U		2.5	U		2.6	U		1.9	U		3
4-Methyl-2-pentanone	ug/Kg	4600	13	U		15	U		14	U		12	U		13	U		9.7	U		15
Toluene	ug/Kg	13800	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
trans-1,3-Dichloropropene	ug/Kg	3	6.7	U		7.3	U		6.9	U		2.5	U		2.6	U		1.9	U		3
1,1,2-Trichloroethane	ug/Kg	32	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
Tetrachloroethene	ug/Kg	46	13		#	**110**		A	22		#	6.1	U		1.7	J	#	2	J	#	0.66
2-Hexanone	ug/Kg	158	13	U		15	U		14	U		12	U		13	U		9.7	U		15
Dibromochloromethane	ug/Kg	420	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
1,2-Dibromoethane	ug/Kg	0.28	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
Chlorobenzene	ug/Kg	1360	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
Ethylbenzene	ug/Kg	5400	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
o-Xylene	ug/Kg	3800	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
m,p-Xylene	ug/Kg	3600	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
Styrene	ug/Kg	2200	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
Bromoform	ug/Kg	420	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
Isopropylbenzene	ug/Kg	12800	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	6.7	U		7.3	U		6.9	U		2.5	U		2.6	U		1.9	U		3
1,3-Dichlorobenzene	ug/Kg	N/A	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
1,4-Dichlorobenzene	ug/Kg	1440	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
1,2-Dichlorobenzene	ug/Kg	11600	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
1,2,4-Trichlorobenzene	ug/Kg	4000	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
1,2,3-Trichlorobenzene	ug/Kg	300	6.7	U		7.3	U		6.9	U		6.1	U		6.5	U		4.8	U		7.5
Additional Parameters																					
pH	s.u.	N/A							6.37		~							7.05		~	
Total Organic Carbon	mg/Kg	N/A							2440		~							2650		~	

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

	Sample Code	RMSB-20-D	RMSB-20-E	RMSB-20-F	RMSB-21-A	RMSB-21-B	RMSB-21-C	RMSB-21
	Location	RMSB-20	RMSB-20	RMSB-20	RM-SB21	RM-SB21	RM-SB21	RM-SB2
	Sample Date	5/11/2010	5/11/2010	5/11/2010	5/13/2010	5/13/2010	5/13/2010	5/13/201
	Depth	20 to 24 ft	32 to 36 ft	44 to 48 ft	0 to 4 ft	4 to 8 ft	8 to 12 ft	20 to 24

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Comparison Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

R2-0008573

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	-D		RMSB-21-E			RMSB-21-F			RMSB-21-G			RMSB-21-H			RMSB-22-A			RMSB-22-B		
		Location	1		RM-SB21			RM-SB21			RM-SB21			RM-SB21			RMSB-22			RMSB-22		
		Sample Date	0		5/13/2010			5/13/2010			5/13/2010			5/13/2010			6/2/2010			6/2/2010		
		Depth	ft		30 to 36 ft			44 to 48 ft			56 to 60 ft			68 to 72 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																						
Dichlorodifluoromethane	ug/Kg	6000	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
Chloromethane	ug/Kg	980	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
Vinyl Chloride	ug/Kg	13.8	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
Bromomethane	ug/Kg	36	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
Chloroethane	ug/Kg	118000	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
Trichlorofluoromethane	ug/Kg	13800	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
1,1-Dichloroethene	ug/Kg	50	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
Acetone	ug/Kg	48000	U		6.1	J	#	15	U		12	U		12	U		7.3	J	#	6.1	J	#
Carbon Disulfide	ug/Kg	4200	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
Methyl Acetate	ug/Kg	64000	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
Methylene Chloride	ug/Kg	26	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
trans-1,2-Dichloroethene	ug/Kg	580	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
Methyl tert-Butyl Ether	ug/Kg	56	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
1,1-Dichloroethane	ug/Kg	13.6	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
cis-1,2-Dichloroethene	ug/Kg	420	U		8	U		0.58	J	#	6	U		6.2	U		7.5	U		6.7	U	
2-Butanone	ug/Kg	20000	U		16	U		15	U		12	U		12	U		15	U		13	U	
Chlorobromomethane	ug/Kg	420	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
Chloroform	ug/Kg	290	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
1,1,1-Trichloroethane	ug/Kg	1400	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
Cyclohexane	ug/Kg	117000	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
Carbon Tetrachloride	ug/Kg	38	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
Benzene	ug/Kg	52	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
1,2-Dichloroethane	ug/Kg	28	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
1,4-Dioxane	ug/Kg	2.8	R		160	R		150	R		120	R		120	R		150	R		130	R	
Trichloroethene	ug/Kg	36	U		8	U		7.4	U		6	U		6.2	U		7.5	U		1	J	#

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	-D		RMSB-21-E			RMSB-21-F			RMSB-21-G			RMSB-21-H			RMSB-22-A			RMSB-22-B		
		Location	1		RM-SB21			RM-SB21			RM-SB21			RM-SB21			RMSB-22			RMSB-22		
		Sample Date	0		5/13/2010			5/13/2010			5/13/2010			5/13/2010			6/2/2010			6/2/2010		
		Depth	ft		30 to 36 ft			44 to 48 ft			56 to 60 ft			68 to 72 ft			0 to 4 ft			4 to 8 ft		
Metylcyclohexane	ug/Kg	N/A	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
1,2-Dichloropropane	ug/Kg	34	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
Bromodichloromethane	ug/Kg	270	U		8	U		1.5	J	#	6	U		6.2	U		7.5	U		6.7	U	
cis-1,3-Dichloropropene	ug/Kg	3	U		3.2	U		2.9	U		2.4	U		2.5	U		3	U		2.7	U	
4-Methyl-2-pentanone	ug/Kg	4600	U		16	U		15	U		12	U		12	U		15	U		13	U	
Toluene	ug/Kg	13800	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
trans-1,3-Dichloropropene	ug/Kg	3	U		3.2	U		2.9	U		2.4	U		2.5	U		3	U		2.7	U	
1,1,2-Trichloroethane	ug/Kg	32	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
Tetrachloroethene	ug/Kg	46	J	#	0.86	J	#	0.82	J	#	0.79	J	#	6.2	U		**1600**	J	A	**620**		A
2-Hexanone	ug/Kg	158	U		16	U		15	U		12	U		12	U		15	U		13	U	
Dibromochloromethane	ug/Kg	420	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
1,2-Dibromoethane	ug/Kg	0.28	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
Chlorobenzene	ug/Kg	1360	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
Ethylbenzene	ug/Kg	5400	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
o-Xylene	ug/Kg	3800	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
m,p-Xylene	ug/Kg	3600	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
Styrene	ug/Kg	2200	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
Bromoform	ug/Kg	420	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
Isopropylbenzene	ug/Kg	12800	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	U		3.2	U		2.9	U		2.4	U		2.5	U		3	U		2.7	U	
1,3-Dichlorobenzene	ug/Kg	N/A	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
1,4-Dichlorobenzene	ug/Kg	1440	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
1,2-Dichlorobenzene	ug/Kg	11600	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
1,2,3-Trichlorobenzene	ug/Kg	300	U		8	U		7.4	U		6	U		6.2	U		7.5	U		6.7	U	
Additional Parameters																						
pH	s.u.	N/A			6.6		~															
Total Organic Carbon	mg/Kg	N/A			1260		~															

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Sample Code	-D	RMSB-21-E	RMSB-21-F	RMSB-21-G	RMSB-21-H	RMSB-22-A	RMSB-22-B
Location	1	RM-SB21	RM-SB21	RM-SB21	RM-SB21	RMSB-22	RMSB-22
Sample Date	0	5/13/2010	5/13/2010	5/13/2010	5/13/2010	6/2/2010	6/2/2010
Depth	ft	30 to 36 ft	44 to 48 ft	56 to 60 ft	68 to 72 ft	0 to 4 ft	4 to 8 ft

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Comparison Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-22-C			RMSB-22-D			RMSB-22-E			RMSB-22-F			RMSB-22-G			RMSB-23-A		
		Location	RMSB-22			RMSB-22			RMSB-22			RMSB-22			RMSB-22			RMSB-23		
		Sample Date	6/2/2010			6/2/2010			6/2/2010			6/2/2010			6/2/2010			6/2/2010		
		Depth	8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
Chloromethane	ug/Kg	980	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
Vinyl Chloride	ug/Kg	13.8	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
Bromomethane	ug/Kg	36	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
Chloroethane	ug/Kg	118000	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
Trichlorofluoromethane	ug/Kg	13800	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
1,1-Dichloroethene	ug/Kg	50	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
Acetone	ug/Kg	48000	5.8	J	#	930	J	#	7.9	J	#	5.5	J	#	14	U		6.5	J	#
Carbon Disulfide	ug/Kg	4200	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
Methyl Acetate	ug/Kg	64000	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
Methylene Chloride	ug/Kg	26	6.9	U		1000	UJ		7.4	U		7.8	U		7	U		6.6	U	
trans-1,2-Dichloroethene	ug/Kg	580	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
Methyl tert-Butyl Ether	ug/Kg	56	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
1,1-Dichloroethane	ug/Kg	13.6	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
cis-1,2-Dichloroethene	ug/Kg	420	0.81	J	#	**1600**	J	A	21		#	30		#	18		#	6.6	U	
2-Butanone	ug/Kg	20000	14	U		2000	R		15	U		16	U		14	U		13	U	
Chlorobromomethane	ug/Kg	420	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
Chloroform	ug/Kg	290	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
Cyclohexane	ug/Kg	117000	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
Carbon Tetrachloride	ug/Kg	38	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
Benzene	ug/Kg	52	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
1,2-Dichloroethane	ug/Kg	28	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
1,4-Dioxane	ug/Kg	2.8	140	R		20000	R		150	R		160	R		140	R		130	R	
Trichloroethene	ug/Kg	36	2.8	J	#	**2400**	J	A	21		#	32		#	**37**		A	6.6	U	

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-22-C			RMSB-22-D			RMSB-22-E			RMSB-22-F			RMSB-22-G			RMSB-23-A		
		Location	RMSB-22			RMSB-22			RMSB-22			RMSB-22			RMSB-22			RMSB-23		
		Sample Date	6/2/2010			6/2/2010			6/2/2010			6/2/2010			6/2/2010			6/2/2010		
		Depth	8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			0 to 4 ft		
Metylcyclohexane	ug/Kg	N/A	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
1,2-Dichloropropane	ug/Kg	34	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
Bromodichloromethane	ug/Kg	270	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
cis-1,3-Dichloropropene	ug/Kg	3	2.8	U		410	R		2.9	U		3.1	U		2.8	U		2.7	U	
4-Methyl-2-pentanone	ug/Kg	4600	14	U		2000	R		15	U		16	U		14	U		13	U	
Toluene	ug/Kg	13800	6.9	U		1000	UJ		7.4	U		7.8	U		7	U		6.6	U	
trans-1,3-Dichloropropene	ug/Kg	3	2.8	U		410	R		2.9	U		3.1	U		2.8	U		2.7	U	
1,1,2-Trichloroethane	ug/Kg	32	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
Tetrachloroethene	ug/Kg	46	**940**		A	**120000**	J	A	**2200**		A	**3300**	J	A	**2600**		A	**95**		A
2-Hexanone	ug/Kg	158	14	U		2000	R		15	U		16	U		14	U		13	U	
Dibromochloromethane	ug/Kg	420	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
1,2-Dibromoethane	ug/Kg	0.28	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
Chlorobenzene	ug/Kg	1360	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
Ethylbenzene	ug/Kg	5400	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
o-Xylene	ug/Kg	3800	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
m,p-Xylene	ug/Kg	3600	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
Styrene	ug/Kg	2200	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
Bromoform	ug/Kg	420	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
Isopropylbenzene	ug/Kg	12800	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	2.8	U		410	R		2.9	U		3.1	U		2.8	U		2.7	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
1,4-Dichlorobenzene	ug/Kg	1440	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
1,2-Dichlorobenzene	ug/Kg	11600	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
1,2,3-Trichlorobenzene	ug/Kg	300	6.9	U		1000	R		7.4	U		7.8	U		7	U		6.6	U	
Additional Parameters																				
pH	s.u.	N/A	7.6		~							6.05		~						
Total Organic Carbon	mg/Kg	N/A	1980		~							1490		~						

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

	Sample Code	RMSB-22-C	RMSB-22-D	RMSB-22-E	RMSB-22-F	RMSB-22-G	RMSB-23-A
	Location	RMSB-22	RMSB-22	RMSB-22	RMSB-22	RMSB-22	RMSB-23
	Sample Date	6/2/2010	6/2/2010	6/2/2010	6/2/2010	6/2/2010	6/2/2010
	Depth	8 to 12 ft	20 to 24 ft	32 to 36 ft	44 to 48 ft	56 to 60 ft	0 to 4 ft

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Comparison Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-23-B			RMSB-23-C			RMSB-23-D		
		Location	RMSB-23			RMSB-23			RMSB-23		
		Sample Date	6/2/2010			6/2/2010			6/2/2010		
		Depth	4 to 8 ft			8 to 12 ft			20 to 24 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds											
Dichlorodifluoromethane	ug/Kg	6000	7.3	U		7.4	U		6.7	U	
Chloromethane	ug/Kg	980	7.3	U		7.4	U		6.7	U	
Vinyl Chloride	ug/Kg	13.8	7.3	U		7.4	U		6.7	U	
Bromomethane	ug/Kg	36	7.3	U		7.4	U		6.7	U	
Chloroethane	ug/Kg	118000	7.3	U		7.4	U		6.7	U	
Trichlorofluoromethane	ug/Kg	13800	7.3	U		7.4	U		6.7	U	
1,1-Dichloroethene	ug/Kg	50	7.3	U		7.4	U		6.7	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	7.3	U		7.4	U		6.7	U	
Acetone	ug/Kg	48000	6.1	J	#	5.7	J	#	6.4	J	#
Carbon Disulfide	ug/Kg	4200	7.3	U		7.4	U		6.7	U	
Methyl Acetate	ug/Kg	64000	7.3	U		7.4	U		6.7	U	
Methylene Chloride	ug/Kg	26	7.3	U		7.4	U		6.7	U	
trans-1,2-Dichloroethene	ug/Kg	580	7.3	U		7.4	U		6.7	U	
Methyl tert-Butyl Ether	ug/Kg	56	7.3	U		7.4	U		6.7	U	
1,1-Dichloroethane	ug/Kg	13.6	7.3	U		7.4	U		6.7	U	
cis-1,2-Dichloroethene	ug/Kg	420	7.3	U		7.4	U		0.95	J	#
2-Butanone	ug/Kg	20000	15	U		15	U		13	U	
Chlorobromomethane	ug/Kg	420	7.3	U		7.4	U		6.7	U	
Chloroform	ug/Kg	290	7.3	U		7.4	U		6.7	U	
1,1,1-Trichloroethane	ug/Kg	1400	7.3	U		7.4	U		6.7	U	
Cyclohexane	ug/Kg	117000	7.3	U		7.4	U		6.7	U	
Carbon Tetrachloride	ug/Kg	38	7.3	U		7.4	U		6.7	U	
Benzene	ug/Kg	52	7.3	U		7.4	U		6.7	U	
1,2-Dichloroethane	ug/Kg	28	7.3	U		7.4	U		6.7	U	
1,4-Dioxane	ug/Kg	2.8	150	R		150	R		130	R	
Trichloroethene	ug/Kg	36	7.3	U		0.92	J	#	1	J	#

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	RMSB-23-B			RMSB-23-C			RMSB-23-D		
		Location	RMSB-23			RMSB-23			RMSB-23		
		Sample Date	6/2/2010			6/2/2010			6/2/2010		
		Depth	4 to 8 ft			8 to 12 ft			20 to 24 ft		
Metylcyclohexane	ug/Kg	N/A	7.3	U		7.4	U		6.7	U	
1,2-Dichloropropane	ug/Kg	34	7.3	U		7.4	U		6.7	U	
Bromodichloromethane	ug/Kg	270	7.3	U		7.4	U		6.7	U	
cis-1,3-Dichloropropene	ug/Kg	3	2.9	U		2.9	U		2.7	U	
4-Methyl-2-pentanone	ug/Kg	4600	15	U		15	U		13	U	
Toluene	ug/Kg	13800	7.3	U		7.4	U		6.7	U	
trans-1,3-Dichloropropene	ug/Kg	3	2.9	U		2.9	U		2.7	U	
1,1,2-Trichloroethane	ug/Kg	32	7.3	U		7.4	U		6.7	U	
Tetrachloroethene	ug/Kg	46	**120**		A	**180**		A	**85**		A
2-Hexanone	ug/Kg	158	15	U		15	U		13	U	
Dibromochloromethane	ug/Kg	420	7.3	U		7.4	U		6.7	U	
1,2-Dibromoethane	ug/Kg	0.28	7.3	U		7.4	U		6.7	U	
Chlorobenzene	ug/Kg	1360	7.3	U		7.4	U		6.7	U	
Ethylbenzene	ug/Kg	5400	7.3	U		7.4	U		6.7	U	
o-Xylene	ug/Kg	3800	7.3	U		7.4	U		6.7	U	
m,p-Xylene	ug/Kg	3600	7.3	U		7.4	U		6.7	U	
Styrene	ug/Kg	2200	7.3	U		7.4	U		6.7	U	
Bromoform	ug/Kg	420	7.3	U		7.4	U		6.7	U	
Isopropylbenzene	ug/Kg	12800	7.3	U		7.4	U		6.7	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	2.9	U		2.9	U		2.7	U	
1,3-Dichlorobenzene	ug/Kg	N/A	7.3	U		7.4	U		6.7	U	
1,4-Dichlorobenzene	ug/Kg	1440	7.3	U		7.4	U		6.7	U	
1,2-Dichlorobenzene	ug/Kg	11600	7.3	U		7.4	U		6.7	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	7.3	U		7.4	U		6.7	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	7.3	U		7.4	U		6.7	U	
1,2,3-Trichlorobenzene	ug/Kg	300	7.3	U		7.4	U		6.7	U	
Additional Parameters											
pH	s.u.	N/A				6.57		~	6.94		~
Total Organic Carbon	mg/Kg	N/A				2000		~	1100		~

CCC - Soil Sample Results Full Table (Stage 2)
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

	Sample Code	RMSB-23-B	RMSB-23-C	RMSB-23-D
	Location	RMSB-23	RMSB-23	RMSB-23
	Sample Date	6/2/2010	6/2/2010	6/2/2010
	Depth	4 to 8 ft	8 to 12 ft	20 to 24 ft

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Comparison Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

ENCO - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ENSB-01-A			ENSB-01-B			ENSB-01-C			ENSB-01-D			ENSB-01-E			ENSB-02-A		
		Location	ENSB-01			ENSB-01			ENSB-01			ENSB-01			ENSB-01			ENSB-02		
		Sample Date	5/20/2010			5/20/2010			5/20/2010			5/20/2010			5/24/2010			5/24/2010		
		Depth	0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
Chloromethane	ug/Kg	980	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
Vinyl Chloride	ug/Kg	13.8	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
Bromomethane	ug/Kg	36	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
Chloroethane	ug/Kg	118000	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
Trichlorofluoromethane	ug/Kg	13800	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
1,1-Dichloroethene	ug/Kg	50	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
Acetone	ug/Kg	48000	8	J	#	14	U		13	U		4.4	J	#	14	U		5.9	J	#
Carbon Disulfide	ug/Kg	4200	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
Methyl Acetate	ug/Kg	64000	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
Methylene Chloride	ug/Kg	26	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
trans-1,2-Dichloroethene	ug/Kg	580	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
Methyl tert-Butyl Ether	ug/Kg	56	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
1,1-Dichloroethane	ug/Kg	13.6	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
cis-1,2-Dichloroethene	ug/Kg	420	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
2-Butanone	ug/Kg	20000	10	U		14	U		13	U		13	U		14	U		12	U	
Chlorobromomethane	ug/Kg	420	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
Chloroform	ug/Kg	290	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
1,1,1-Trichloroethane	ug/Kg	1400	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
Cyclohexane	ug/Kg	117000	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
Carbon Tetrachloride	ug/Kg	38	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
Benzene	ug/Kg	52	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
1,2-Dichloroethane	ug/Kg	28	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
1,4-Dioxane	ug/Kg	2.8	100	R		140	R		130	R		130	R		140	R		120	R	
Trichloroethene	ug/Kg	36	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	

ENCO - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ENSB-01-A			ENSB-01-B			ENSB-01-C			ENSB-01-D			ENSB-01-E			ENSB-02-A		
		Location	ENSB-01			ENSB-01			ENSB-01			ENSB-01			ENSB-01			ENSB-02		
		Sample Date	5/20/2010			5/20/2010			5/20/2010			5/20/2010			5/24/2010			5/24/2010		
		Depth	0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
1,2-Dichloropropane	ug/Kg	34	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
Bromodichloromethane	ug/Kg	270	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
cis-1,3-Dichloropropene	ug/Kg	3	5.2	U		7.2	U		6.5	U		6.6	U		2.9	U		2.4	U	
4-Methyl-2-pentanone	ug/Kg	4600	10	U		14	U		13	U		13	U		14	U		12	U	
Toluene	ug/Kg	13800	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
trans-1,3-Dichloropropene	ug/Kg	3	5.2	U		7.2	U		6.5	U		6.6	U		2.9	U		2.4	U	
1,1,2-Trichloroethane	ug/Kg	32	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
Tetrachloroethene	ug/Kg	46	5.2	U		7.2	U		1.1	J	#	1.5	J	#	1.3	J	#	5.9	U	
2-Hexanone	ug/Kg	158	10	U		14	U		13	U		13	U		14	U		12	U	
Dibromochloromethane	ug/Kg	420	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
1,2-Dibromoethane	ug/Kg	0.28	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
Chlorobenzene	ug/Kg	1360	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
Ethylbenzene	ug/Kg	5400	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
o-Xylene	ug/Kg	3800	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
m,p-Xylene	ug/Kg	3600	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
Styrene	ug/Kg	2200	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
Bromoform	ug/Kg	420	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
Isopropylbenzene	ug/Kg	12800	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	5.2	U		7.2	U		6.5	U		6.6	U		2.9	U		2.4	U	
1,3-Dichlorobenzene	ug/Kg	N/A	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
1,4-Dichlorobenzene	ug/Kg	1440	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
1,2-Dichlorobenzene	ug/Kg	11600	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	
1,2,3-Trichlorobenzene	ug/Kg	300	5.2	U		7.2	U		6.5	U		6.6	U		7.2	U		5.9	U	

ENCO - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ENSB-01-A			ENSB-01-B			ENSB-01-C			ENSB-01-D			ENSB-01-E			ENSB-02-A		
		Location	ENSB-01			ENSB-01			ENSB-01			ENSB-01			ENSB-01			ENSB-02		
		Sample Date	5/20/2010			5/20/2010			5/20/2010			5/20/2010			5/24/2010			5/24/2010		
		Depth	0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Additional Parameters																				
% GRANULE & LARGER >2 MM	%																			
% VERY COURSE SAND >1 - 2 MM	%																			
% COARSE SAND >.5 - 1 MM	%																			
% MEDIUM SAND >.25 - .5 MM	%																			
% FINE SAND >.125 - .25 MM	%																			
% VERY FINE SAND >.0625 - .125 MM	%																			
% SILT	%																			
% CLAY & COLLOIDS	%																			
pH	s.u.	N/A							6.28		~				6.81		~			
Total Organic Carbon	mg/Kg	N/A							17800		~				1970		~			

Notes:

Highlight indicates exceedance
SC - Site Specific Screening Criteria
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

Q - Qualifier
C - Comparison Flag

ENCO - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ENSB-01-A			ENSB-01-B			ENSB-01-C			ENSB-01-D			ENSB-01-E			ENSB-02-A		
		Location	ENSB-01			ENSB-01			ENSB-01			ENSB-01			ENSB-01			ENSB-02		
		Sample Date	5/20/2010			5/20/2010			5/20/2010			5/20/2010			5/24/2010			5/24/2010		
		Depth	0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

ENCO - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ENSB-02-B			ENSB-02-C			ENSB-02-D			ENSB-02-E			ENSB-02-F			ENSB-02-G			ENSB-03-A		
		Location	ENSB-02			ENSB-02			ENSB-02			ENSB-02			ENSB-02			ENSB-02			ENSB-03		
		Sample Date	5/24/2010			5/24/2010			5/24/2010			5/24/2010			5/24/2010			5/24/2010			5/25/2010		
		Depth	4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																							
Dichlorodifluoromethane	ug/Kg	6000	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
Chloromethane	ug/Kg	980	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
Vinyl Chloride	ug/Kg	13.8	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
Bromomethane	ug/Kg	36	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
Chloroethane	ug/Kg	118000	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
Trichlorofluoromethane	ug/Kg	13800	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
1,1-Dichloroethene	ug/Kg	50	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
Acetone	ug/Kg	48000	4.2	J	#	14	U		7.8	J	#	16	U		13	U		10	U		7.4	J	#
Carbon Disulfide	ug/Kg	4200	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
Methyl Acetate	ug/Kg	64000	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
Methylene Chloride	ug/Kg	26	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
trans-1,2-Dichloroethene	ug/Kg	580	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
Methyl tert-Butyl Ether	ug/Kg	56	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
1,1-Dichloroethane	ug/Kg	13.6	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
cis-1,2-Dichloroethene	ug/Kg	420	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
2-Butanone	ug/Kg	20000	12	U		14	U		15	U		16	U		13	U		10	U		14	U	
Chlorobromomethane	ug/Kg	420	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
Chloroform	ug/Kg	290	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
Cyclohexane	ug/Kg	117000	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
Carbon Tetrachloride	ug/Kg	38	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
Benzene	ug/Kg	52	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
1,2-Dichloroethane	ug/Kg	28	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
1,4-Dioxane	ug/Kg	2.8	120	R		140	R		150	R		160	R		130	R		100	R		140	R	
Trichloroethene	ug/Kg	36	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	

ENCO - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ENSB-02-B			ENSB-02-C			ENSB-02-D			ENSB-02-E			ENSB-02-F			ENSB-02-G			ENSB-03-A		
		Location	ENSB-02			ENSB-02			ENSB-02			ENSB-02			ENSB-02			ENSB-02			ENSB-03		
		Sample Date	5/24/2010			5/24/2010			5/24/2010			5/24/2010			5/24/2010			5/24/2010			5/25/2010		
		Depth	4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
1,2-Dichloropropane	ug/Kg	34	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
Bromodichloromethane	ug/Kg	270	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
cis-1,3-Dichloropropene	ug/Kg	3	2.5	U		2.8	U		3	U		3.1	U		2.6	U		2.1	U		2.8	U	
4-Methyl-2-pentanone	ug/Kg	4600	12	U		14	U		15	U		16	U		13	U		10	U		14	U	
Toluene	ug/Kg	13800	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
trans-1,3-Dichloropropene	ug/Kg	3	2.5	U		2.8	U		3	U		3.1	U		2.6	U		2.1	U		2.8	U	
1,1,2-Trichloroethane	ug/Kg	32	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
Tetrachloroethene	ug/Kg	46	6.2	U		7.1	U		7.5	U		7.8	U		0.99	J	#	5.2	U		7	U	
2-Hexanone	ug/Kg	158	12	U		14	U		15	U		16	U		13	U		10	U		14	U	
Dibromochloromethane	ug/Kg	420	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
1,2-Dibromoethane	ug/Kg	0.28	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
Chlorobenzene	ug/Kg	1360	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
Ethylbenzene	ug/Kg	5400	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
o-Xylene	ug/Kg	3800	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
m,p-Xylene	ug/Kg	3600	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
Styrene	ug/Kg	2200	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
Bromoform	ug/Kg	420	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
Isopropylbenzene	ug/Kg	12800	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	2.5	U		2.8	U		3	U		3.1	U		2.6	U		2.1	U		2.8	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
1,4-Dichlorobenzene	ug/Kg	1440	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
1,2-Dichlorobenzene	ug/Kg	11600	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	UJ	
1,2,3-Trichlorobenzene	ug/Kg	300	6.2	U		7.1	U		7.5	U		7.8	U		6.5	U		5.2	U		7	U	

ENCO - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ENSB-02-B			ENSB-02-C			ENSB-02-D			ENSB-02-E			ENSB-02-F			ENSB-02-G			ENSB-03-A		
		Location	ENSB-02			ENSB-02			ENSB-02			ENSB-02			ENSB-02			ENSB-02			ENSB-03		
		Sample Date	5/24/2010			5/24/2010			5/24/2010			5/24/2010			5/24/2010			5/24/2010			5/25/2010		
		Depth	4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Additional Parameters																							
% GRANULE & LARGER >2 MM	%																						
% VERY COURSE SAND >1 - 2 MM	%																						
% COARSE SAND >.5 - 1 MM	%																						
% MEDIUM SAND >.25 - .5 MM	%																						
% FINE SAND >.125 - .25 MM	%																						
% VERY FINE SAND >.0625 - .125 MM	%																						
% SILT	%																						
% CLAY & COLLOIDS	%																						
pH	s.u.	N/A				6.4		~							6.7		~						
Total Organic Carbon	mg/Kg	N/A				1800		~							1470		~						

Notes:

Highlight indicates exceedance
SC - Site Specific Screening Criteria
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

Q - Qualifier
C - Comparison Flag

ENCO - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ENSB-02-B			ENSB-02-C			ENSB-02-D			ENSB-02-E			ENSB-02-F			ENSB-02-G			ENSB-03-A		
		Location	ENSB-02			ENSB-02			ENSB-02			ENSB-02			ENSB-02			ENSB-02			ENSB-03		
		Sample Date	5/24/2010			5/24/2010			5/24/2010			5/24/2010			5/24/2010			5/24/2010			5/25/2010		
		Depth	4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

ENCO - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ENSB-03-B			ENSB-03-C			ENSB-03-D			ENSB-03-E			ENSB-03-F			ENSB-03-G			ENSB-04-A		
		Location	ENSB-03			ENSB-03			ENSB-03			ENSB-03			ENSB-03			ENSB-03			ENSB-04		
		Sample Date	5/25/2010			5/25/2010			5/25/2010			5/25/2010			5/25/2010			5/25/2010			5/25/2010		
		Depth	4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																							
Dichlorodifluoromethane	ug/Kg	6000	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
Chloromethane	ug/Kg	980	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
Vinyl Chloride	ug/Kg	13.8	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
Bromomethane	ug/Kg	36	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
Chloroethane	ug/Kg	118000	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
Trichlorofluoromethane	ug/Kg	13800	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
1,1-Dichloroethene	ug/Kg	50	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
Acetone	ug/Kg	48000	14	U		4.2	J	#	10	J	#	14	U		14	U		13	U		6.1	J	#
Carbon Disulfide	ug/Kg	4200	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
Methyl Acetate	ug/Kg	64000	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
Methylene Chloride	ug/Kg	26	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
trans-1,2-Dichloroethene	ug/Kg	580	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
Methyl tert-Butyl Ether	ug/Kg	56	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
1,1-Dichloroethane	ug/Kg	13.6	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
cis-1,2-Dichloroethene	ug/Kg	420	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
2-Butanone	ug/Kg	20000	14	U		12	U		16	U		14	U		14	U		13	U		14	U	
Chlorobromomethane	ug/Kg	420	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
Chloroform	ug/Kg	290	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
1,1,1-Trichloroethane	ug/Kg	1400	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
Cyclohexane	ug/Kg	117000	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
Carbon Tetrachloride	ug/Kg	38	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
Benzene	ug/Kg	52	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
1,2-Dichloroethane	ug/Kg	28	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
1,4-Dioxane	ug/Kg	2.8	140	R		120	R		160	R		140	R		140	R		130	R		140	R	
Trichloroethene	ug/Kg	36	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	

ENCO - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ENSB-03-B			ENSB-03-C			ENSB-03-D			ENSB-03-E			ENSB-03-F			ENSB-03-G			ENSB-04-A		
		Location	ENSB-03			ENSB-03			ENSB-03			ENSB-03			ENSB-03			ENSB-03			ENSB-04		
		Sample Date	5/25/2010			5/25/2010			5/25/2010			5/25/2010			5/25/2010			5/25/2010			5/25/2010		
		Depth	4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
1,2-Dichloropropane	ug/Kg	34	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
Bromodichloromethane	ug/Kg	270	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
cis-1,3-Dichloropropene	ug/Kg	3	2.8	U		2.5	U		3.2	U		2.9	U		2.8	U		2.6	U		2.8	U	
4-Methyl-2-pentanone	ug/Kg	4600	14	U		12	U		16	U		14	U		14	U		13	U		14	U	
Toluene	ug/Kg	13800	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
trans-1,3-Dichloropropene	ug/Kg	3	2.8	U		2.5	U		3.2	U		2.9	U		2.8	U		2.6	U		2.8	U	
1,1,2-Trichloroethane	ug/Kg	32	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
Tetrachloroethene	ug/Kg	46	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		3.9	J	#
2-Hexanone	ug/Kg	158	14	U		12	U		16	U		14	U		14	U		13	U		14	U	
Dibromochloromethane	ug/Kg	420	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
1,2-Dibromoethane	ug/Kg	0.28	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
Chlorobenzene	ug/Kg	1360	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
Ethylbenzene	ug/Kg	5400	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
o-Xylene	ug/Kg	3800	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
m,p-Xylene	ug/Kg	3600	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
Styrene	ug/Kg	2200	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
Bromoform	ug/Kg	420	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
Isopropylbenzene	ug/Kg	12800	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	2.8	U		2.5	U		3.2	U		2.9	U		2.8	U		2.6	U		2.8	U	
1,3-Dichlorobenzene	ug/Kg	N/A	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
1,4-Dichlorobenzene	ug/Kg	1440	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
1,2-Dichlorobenzene	ug/Kg	11600	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	7	UJ		6.2	UJ		8	UJ		7.1	UJ		7.1	UJ		6.4	UJ		7	UJ	
1,2,3-Trichlorobenzene	ug/Kg	300	7	U		6.2	U		8	U		7.1	U		7.1	U		6.4	U		7	U	

ENCO - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ENSB-03-B			ENSB-03-C			ENSB-03-D			ENSB-03-E			ENSB-03-F			ENSB-03-G			ENSB-04-A		
		Location	ENSB-03			ENSB-03			ENSB-03			ENSB-03			ENSB-03			ENSB-03			ENSB-04		
		Sample Date	5/25/2010			5/25/2010			5/25/2010			5/25/2010			5/25/2010			5/25/2010			5/25/2010		
		Depth	4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Additional Parameters																							
% GRANULE & LARGER >2 MM	%																						
% VERY COURSE SAND >1 - 2 MM	%																						
% COARSE SAND >.5 - 1 MM	%																						
% MEDIUM SAND >.25 - .5 MM	%																						
% FINE SAND >.125 - .25 MM	%																						
% VERY FINE SAND >.0625 - .125 MM	%																						
% SILT	%																						
% CLAY & COLLOIDS	%																						
pH	s.u.	N/A				6		~										7.47		~			
Total Organic Carbon	mg/Kg	N/A				1060		~										1010		~			

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Comparison Flag

R2-0008593

ENCO - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ENSB-03-B			ENSB-03-C			ENSB-03-D			ENSB-03-E			ENSB-03-F			ENSB-03-G			ENSB-04-A		
		Location	ENSB-03			ENSB-03			ENSB-03			ENSB-03			ENSB-03			ENSB-03			ENSB-04		
		Sample Date	5/25/2010			5/25/2010			5/25/2010			5/25/2010			5/25/2010			5/25/2010			5/25/2010		
		Depth	4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit
value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value
when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

ENCO - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ENSB-04-B			ENSB-04-C			ENSB-05-A			ENSB-05-B			ENSB-05-C			ENSB-06-A			ENSB-06-B		
		Location	ENSB-04			ENSB-04			ENSB-05			ENSB-05			ENSB-05			ENSB-06			ENSB-06		
		Sample Date	5/25/2010			5/26/2010			5/26/2010			5/26/2010			5/26/2010			5/27/2010			5/27/2010		
		Depth	4 to 8 ft			8 to 12 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																							
Dichlorodifluoromethane	ug/Kg	6000	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
Chloromethane	ug/Kg	980	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
Vinyl Chloride	ug/Kg	13.8	7.2	U		7.1	UJ		4.7	UJ		7.7	UJ		**16**	J	A	5.3	U		5	U	
Bromomethane	ug/Kg	36	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
Chloroethane	ug/Kg	118000	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
Trichlorofluoromethane	ug/Kg	13800	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
1,1-Dichloroethene	ug/Kg	50	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
Acetone	ug/Kg	48000	14	U		10	J	#	26		#	85		#	180		#	5.4	J	#	7.8	J	#
Carbon Disulfide	ug/Kg	4200	7.2	U		7.1	U		4.7	U		1.5	J	#	3.9	J	#	5.3	U		5	U	
Methyl Acetate	ug/Kg	64000	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
Methylene Chloride	ug/Kg	26	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
trans-1,2-Dichloroethene	ug/Kg	580	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
Methyl tert-Butyl Ether	ug/Kg	56	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
1,1-Dichloroethane	ug/Kg	13.6	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
cis-1,2-Dichloroethene	ug/Kg	420	7.2	U		7.1	U		4.7	U		0.83	J	#	8	U		5.3	U		5	U	
2-Butanone	ug/Kg	20000	14	U		14	U		9.3	U		10	J	#	19		#	1.7	J	#	10	U	
Chlorobromomethane	ug/Kg	420	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
Chloroform	ug/Kg	290	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
1,1,1-Trichloroethane	ug/Kg	1400	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
Cyclohexane	ug/Kg	117000	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
Carbon Tetrachloride	ug/Kg	38	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
Benzene	ug/Kg	52	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
1,2-Dichloroethane	ug/Kg	28	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
1,4-Dioxane	ug/Kg	2.8	140	R		140	R		93	R		150	R		160	R		110	R		100	R	
Trichloroethene	ug/Kg	36	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	

ENCO - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ENSB-04-B			ENSB-04-C			ENSB-05-A			ENSB-05-B			ENSB-05-C			ENSB-06-A			ENSB-06-B		
		Location	ENSB-04			ENSB-04			ENSB-05			ENSB-05			ENSB-05			ENSB-06			ENSB-06		
		Sample Date	5/25/2010			5/26/2010			5/26/2010			5/26/2010			5/26/2010			5/27/2010			5/27/2010		
		Depth	4 to 8 ft			8 to 12 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
1,2-Dichloropropane	ug/Kg	34	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
Bromodichloromethane	ug/Kg	270	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
cis-1,3-Dichloropropene	ug/Kg	3	7.2	U		2.8	U		1.9	U		3.1	U		3.2	U		2.1	U		2	U	
4-Methyl-2-pentanone	ug/Kg	4600	14	U		14	U		9.3	U		15	U		16	U		11	U		10	U	
Toluene	ug/Kg	13800	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
trans-1,3-Dichloropropene	ug/Kg	3	7.2	U		2.8	U		1.9	U		3.1	U		3.2	U		2.1	U		2	U	
1,1,2-Trichloroethane	ug/Kg	32	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
Tetrachloroethene	ug/Kg	46	7.2	U		3.5	J	#	0.68	J	#	7.7	U		8	U		4.7	J	#	1.2	J	#
2-Hexanone	ug/Kg	158	14	U		14	U		9.3	U		15	U		16	U		11	U		10	U	
Dibromochloromethane	ug/Kg	420	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
1,2-Dibromoethane	ug/Kg	0.28	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
Chlorobenzene	ug/Kg	1360	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
Ethylbenzene	ug/Kg	5400	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
o-Xylene	ug/Kg	3800	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
m,p-Xylene	ug/Kg	3600	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
Styrene	ug/Kg	2200	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
Bromoform	ug/Kg	420	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
Isopropylbenzene	ug/Kg	12800	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	7.2	U		2.8	U		1.9	UJ		3.1	U		3.2	U		2.1	U		2	U	
1,3-Dichlorobenzene	ug/Kg	N/A	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
1,4-Dichlorobenzene	ug/Kg	1440	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
1,2-Dichlorobenzene	ug/Kg	11600	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	7.2	U		7.1	U		4.7	UJ		7.7	U		8	U		5.3	U		5	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	7.2	U		7.1	UJ		4.7	UJ		7.7	UJ		8	UJ		5.3	U		5	U	
1,2,3-Trichlorobenzene	ug/Kg	300	7.2	U		7.1	U		4.7	U		7.7	U		8	U		5.3	U		5	U	

ENCO - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ENSB-04-B			ENSB-04-C			ENSB-05-A			ENSB-05-B			ENSB-05-C			ENSB-06-A			ENSB-06-B		
		Location	ENSB-04			ENSB-04			ENSB-05			ENSB-05			ENSB-05			ENSB-06			ENSB-06		
		Sample Date	5/25/2010			5/26/2010			5/26/2010			5/26/2010			5/26/2010			5/27/2010			5/27/2010		
		Depth	4 to 8 ft			8 to 12 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Additional Parameters																							
% GRANULE & LARGER >2 MM	%																						
% VERY COURSE SAND >1 - 2 MM	%																						
% COARSE SAND >.5 - 1 MM	%																						
% MEDIUM SAND >.25 - .5 MM	%																						
% FINE SAND >.125 - .25 MM	%																						
% VERY FINE SAND >.0625 - .125 MM	%																						
% SILT	%																						
% CLAY & COLLOIDS	%																						
pH	s.u.	N/A	5.87		~										6.6		~	6.56		~			
Total Organic Carbon	mg/Kg	N/A	8590		~										18300		~	12700		~			

Notes:

Highlight indicates exceedance
SC - Site Specific Screening Criteria
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

Q - Qualifier
C - Comparison Flag

ENCO - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ENSB-04-B			ENSB-04-C			ENSB-05-A			ENSB-05-B			ENSB-05-C			ENSB-06-A			ENSB-06-B		
		Location	ENSB-04			ENSB-04			ENSB-05			ENSB-05			ENSB-05			ENSB-06			ENSB-06		
		Sample Date	5/25/2010			5/26/2010			5/26/2010			5/26/2010			5/26/2010			5/27/2010			5/27/2010		
		Depth	4 to 8 ft			8 to 12 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft			0 to 4 ft			4 to 8 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit
value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value
when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

R2-0008598

ENCO - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ENSB-07-A			ENSB-07-B			ENSB-07-C			ENSB-07-D			ENSB-07-E			ENSB-07-F			ENSB-07-G		
		Location	ENSB-07			ESSB-07			ESSB-07			ENSB-07			ENSB-07			ENSB-07			ENSB-07		
		Sample Date	5/28/2010			5/28/2010			5/28/2010			6/1/2010			6/1/2010			6/1/2010			6/1/2010		
		Depth	0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																							
Dichlorodifluoromethane	ug/Kg	6000	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
Chloromethane	ug/Kg	980	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
Vinyl Chloride	ug/Kg	13.8	6.4	UJ		7	U		6.1	U		7.3	UJ		7.1	U		7.5	U		6.4	U	
Bromomethane	ug/Kg	36	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
Chloroethane	ug/Kg	118000	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
Trichlorofluoromethane	ug/Kg	13800	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
1,1-Dichloroethene	ug/Kg	50	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
Acetone	ug/Kg	48000	47		#	130		#	4.6	J	#	15	U		4.4	J	#	5.8	J	#	3.9	J	#
Carbon Disulfide	ug/Kg	4200	0.85	J	#	1.8	J	#	6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
Methyl Acetate	ug/Kg	64000	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
Methylene Chloride	ug/Kg	26	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
trans-1,2-Dichloroethene	ug/Kg	580	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
Methyl tert-Butyl Ether	ug/Kg	56	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
1,1-Dichloroethane	ug/Kg	13.6	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
cis-1,2-Dichloroethene	ug/Kg	420	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
2-Butanone	ug/Kg	20000	9.8	J	#	19		#	12	U		15	U		14	U		15	U		13	U	
Chlorobromomethane	ug/Kg	420	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
Chloroform	ug/Kg	290	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
1,1,1-Trichloroethane	ug/Kg	1400	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
Cyclohexane	ug/Kg	117000	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
Carbon Tetrachloride	ug/Kg	38	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
Benzene	ug/Kg	52	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
1,2-Dichloroethane	ug/Kg	28	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
1,4-Dioxane	ug/Kg	2.8	130	R		140	R		120	R		150	R		140	R		150	R		130	R	
Trichloroethene	ug/Kg	36	6.4	U		1.1	J	#	6.1	U		7.3	U		7.1	U		7.5	U		0.64	J	#

ENCO - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ENSB-07-A			ENSB-07-B			ENSB-07-C			ENSB-07-D			ENSB-07-E			ENSB-07-F			ENSB-07-G		
		Location	ENSB-07			ESSB-07			ESSB-07			ENSB-07			ENSB-07			ENSB-07			ENSB-07		
		Sample Date	5/28/2010			5/28/2010			5/28/2010			6/1/2010			6/1/2010			6/1/2010			6/1/2010		
		Depth	0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
1,2-Dichloropropane	ug/Kg	34	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
Bromodichloromethane	ug/Kg	270	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
cis-1,3-Dichloropropene	ug/Kg	3	2.6	U		2.8	U		2.5	U		2.9	U		2.8	U		3	U		2.6	U	
4-Methyl-2-pentanone	ug/Kg	4600	13	U		14	U		12	U		15	U		14	U		15	U		13	U	
Toluene	ug/Kg	13800	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
trans-1,3-Dichloropropene	ug/Kg	3	2.6	U		2.8	U		2.5	U		2.9	U		2.8	U		3	U		2.6	U	
1,1,2-Trichloroethane	ug/Kg	32	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
Tetrachloroethene	ug/Kg	46	0.54	J	#	3.6	J	#	1.5	J	#	10		#	15		#	19		#	28		#
2-Hexanone	ug/Kg	158	13	U		14	U		12	U		15	U		14	U		15	U		13	U	
Dibromochloromethane	ug/Kg	420	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
1,2-Dibromoethane	ug/Kg	0.28	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
Chlorobenzene	ug/Kg	1360	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
Ethylbenzene	ug/Kg	5400	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
o-Xylene	ug/Kg	3800	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
m,p-Xylene	ug/Kg	3600	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
Styrene	ug/Kg	2200	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
Bromoform	ug/Kg	420	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
Isopropylbenzene	ug/Kg	12800	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	2.6	U		2.8	U		2.5	U		2.9	U		2.8	U		3	U		2.6	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
1,4-Dichlorobenzene	ug/Kg	1440	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
1,2-Dichlorobenzene	ug/Kg	11600	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	
1,2,3-Trichlorobenzene	ug/Kg	300	6.4	U		7	U		6.1	U		7.3	U		7.1	U		7.5	U		6.4	U	

ENCO - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ENSB-07-A			ENSB-07-B			ENSB-07-C			ENSB-07-D			ENSB-07-E			ENSB-07-F			ENSB-07-G		
		Location	ENSB-07			ESSB-07			ESSB-07			ENSB-07			ENSB-07			ENSB-07			ENSB-07		
		Sample Date	5/28/2010			5/28/2010			5/28/2010			6/1/2010			6/1/2010			6/1/2010			6/1/2010		
		Depth	0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Additional Parameters																							
% GRANULE & LARGER >2 MM	%																						
% VERY COURSE SAND >1 - 2 MM	%																						
% COARSE SAND >.5 - 1 MM	%																						
% MEDIUM SAND >.25 - .5 MM	%																						
% FINE SAND >.125 - .25 MM	%																						
% VERY FINE SAND >.0625 - .125 MM	%																						
% SILT	%																						
% CLAY & COLLOIDS	%																						
pH	s.u.	N/A							6.89		~							6.3		~			
Total Organic Carbon	mg/Kg	N/A							3690		~							2200		~			

Notes:

Highlight indicates exceedance
SC - Site Specific Screening Criteria
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

Q - Qualifier
C - Comparison Flag

ENCO - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ENSB-07-A			ENSB-07-B			ENSB-07-C			ENSB-07-D			ENSB-07-E			ENSB-07-F			ENSB-07-G		
		Location	ENSB-07			ESSB-07			ESSB-07			ENSB-07			ENSB-07			ENSB-07			ENSB-07		
		Sample Date	5/28/2010			5/28/2010			5/28/2010			6/1/2010			6/1/2010			6/1/2010			6/1/2010		
		Depth	0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft			56 to 60 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

ENCO - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ENSB-07-H		
		Location	ENSB-07		
		Sample Date	6/1/2010		
		Depth	68 to 72 ft		
Chemical Name	Unit	SC	Result	Q	C
Volatile Organic Compounds					
Dichlorodifluoromethane	ug/Kg	6000	5.5	U	
Chloromethane	ug/Kg	980	5.5	U	
Vinyl Chloride	ug/Kg	13.8	5.5	U	
Bromomethane	ug/Kg	36	5.5	U	
Chloroethane	ug/Kg	118000	5.5	U	
Trichlorofluoromethane	ug/Kg	13800	5.5	U	
1,1-Dichloroethene	ug/Kg	50	5.5	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	5.5	U	
Acetone	ug/Kg	48000	8.9	J	#
Carbon Disulfide	ug/Kg	4200	5.5	U	
Methyl Acetate	ug/Kg	64000	5.5	U	
Methylene Chloride	ug/Kg	26	5.5	U	
trans-1,2-Dichloroethene	ug/Kg	580	5.5	U	
Methyl tert-Butyl Ether	ug/Kg	56	5.5	U	
1,1-Dichloroethane	ug/Kg	13.6	5.5	U	
cis-1,2-Dichloroethene	ug/Kg	420	5.5	U	
2-Butanone	ug/Kg	20000	11	U	
Chlorobromomethane	ug/Kg	420	5.5	U	
Chloroform	ug/Kg	290	5.5	U	
1,1,1-Trichloroethane	ug/Kg	1400	5.5	U	
Cyclohexane	ug/Kg	117000	5.5	U	
Carbon Tetrachloride	ug/Kg	38	5.5	U	
Benzene	ug/Kg	52	5.5	U	
1,2-Dichloroethane	ug/Kg	28	5.5	U	
1,4-Dioxane	ug/Kg	2.8	110	R	
Trichloroethene	ug/Kg	36	5.5	U	

ENCO - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ENSB-07-H		
		Location	ENSB-07		
		Sample Date	6/1/2010		
		Depth	68 to 72 ft		
Chemical Name	Unit	SC	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	5.5	U	
1,2-Dichloropropane	ug/Kg	34	5.5	U	
Bromodichloromethane	ug/Kg	270	5.5	U	
cis-1,3-Dichloropropene	ug/Kg	3	2.2	U	
4-Methyl-2-pentanone	ug/Kg	4600	11	U	
Toluene	ug/Kg	13800	5.5	U	
trans-1,3-Dichloropropene	ug/Kg	3	2.2	U	
1,1,2-Trichloroethane	ug/Kg	32	5.5	U	
Tetrachloroethene	ug/Kg	46	5.5	U	
2-Hexanone	ug/Kg	158	11	U	
Dibromochloromethane	ug/Kg	420	5.5	U	
1,2-Dibromoethane	ug/Kg	0.28	5.5	U	
Chlorobenzene	ug/Kg	1360	5.5	U	
Ethylbenzene	ug/Kg	5400	5.5	U	
o-Xylene	ug/Kg	3800	5.5	U	
m,p-Xylene	ug/Kg	3600	5.5	U	
Styrene	ug/Kg	2200	5.5	U	
Bromoform	ug/Kg	420	5.5	U	
Isopropylbenzene	ug/Kg	12800	5.5	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	2.2	U	
1,3-Dichlorobenzene	ug/Kg	N/A	5.5	U	
1,4-Dichlorobenzene	ug/Kg	1440	5.5	U	
1,2-Dichlorobenzene	ug/Kg	11600	5.5	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	5.5	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	5.5	U	
1,2,3-Trichlorobenzene	ug/Kg	300	5.5	U	

ENCO - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ENSB-07-H		
		Location	ENSB-07		
		Sample Date	6/1/2010		
		Depth	68 to 72 ft		
Chemical Name	Unit	SC	Result	Q	C
Additional Parameters					
% GRANULE & LARGER >2 MM	%				
% VERY COURSE SAND >1 - 2 MM	%				
% COARSE SAND >.5 - 1 MM	%				
% MEDIUM SAND >.25 - .5 MM	%				
% FINE SAND >.125 - .25 MM	%				
% VERY FINE SAND >.0625 - .125 MM	%				
% SILT	%				
% CLAY & COLLOIDS	%				
pH	s.u.	N/A			
Total Organic Carbon	mg/Kg	N/A			

Notes:

Highlight indicates exceedance
SC - Site Specific Screening Criteria
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram
mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

Q - Qualifier
C - Comparison Flag

ENCO - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	ENSB-07-H		
		Location	ENSB-07		
		Sample Date	6/1/2010		
		Depth	68 to 72 ft		
Chemical Name	Unit	SC	Result	Q	C

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit
value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value
when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

DJ Manufacturing - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	DJSB-01-A			DJSB-01-B			DJSB-01-C			DJSB-02-A			DJSB-02-B			DJSB-02-C		
		Location	DJSB-01			DJSB-01			DJSB-01			DJSB-02			DJSB-02			DJSB-02		
		Sample Date	5/13/2010			5/13/2010			5/13/2010			5/14/2010			5/14/2010			5/14/2010		
		Depth	0 to 4 ft			4 to 8 ft			8 to 12 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	6000	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
Chloromethane	ug/Kg	980	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
Vinyl Chloride	ug/Kg	13.8	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
Bromomethane	ug/Kg	36	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
Chloroethane	ug/Kg	118000	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
Trichlorofluoromethane	ug/Kg	13800	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
1,1-Dichloroethene	ug/Kg	50	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
Acetone	ug/Kg	48000	4	J	#	12	U		11	U		150		#	7.7	J	#	14	U	
Carbon Disulfide	ug/Kg	4200	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
Methyl Acetate	ug/Kg	64000	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
Methylene Chloride	ug/Kg	26	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
trans-1,2-Dichloroethene	ug/Kg	580	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
Methyl tert-Butyl Ether	ug/Kg	56	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
1,1-Dichloroethane	ug/Kg	13.6	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
cis-1,2-Dichloroethene	ug/Kg	420	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
2-Butanone	ug/Kg	20000	9.7	U		12	U		11	U		14	U		13	U		14	U	
Chlorobromomethane	ug/Kg	420	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
Chloroform	ug/Kg	290	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
1,1,1-Trichloroethane	ug/Kg	1400	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
Cyclohexane	ug/Kg	117000	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
Carbon Tetrachloride	ug/Kg	38	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
Benzene	ug/Kg	52	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
1,2-Dichloroethane	ug/Kg	28	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
1,4-Dioxane	ug/Kg	2.8	97	R		120	R		110	R		140	R		130	R		140	R	
Trichloroethene	ug/Kg	36	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	

DJ Manufacturing - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	DJSB-01-A			DJSB-01-B			DJSB-01-C			DJSB-02-A			DJSB-02-B			DJSB-02-C		
		Location	DJSB-01			DJSB-01			DJSB-01			DJSB-02			DJSB-02			DJSB-02		
		Sample Date	5/13/2010			5/13/2010			5/13/2010			5/14/2010			5/14/2010			5/14/2010		
		Depth	0 to 4 ft			4 to 8 ft			8 to 12 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
1,2-Dichloropropane	ug/Kg	34	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
Bromodichloromethane	ug/Kg	270	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
cis-1,3-Dichloropropene	ug/Kg	3	1.9	U		2.4	U		2.1	U		2.9	U		2.6	U		2.8	U	
4-Methyl-2-pentanone	ug/Kg	4600	9.7	U		12	U		11	U		14	U		13	U		14	U	
Toluene	ug/Kg	13800	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
trans-1,3-Dichloropropene	ug/Kg	3	1.9	U		2.4	U		2.1	U		2.9	U		2.6	U		2.8	U	
1,1,2-Trichloroethane	ug/Kg	32	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
Tetrachloroethene	ug/Kg	46	0.48	J	#	6	U		5.3	U		7.2	U		6.6	U		6.9	U	
2-Hexanone	ug/Kg	158	9.7	U		12	U		11	U		14	U		13	U		14	U	
Dibromochloromethane	ug/Kg	420	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
1,2-Dibromoethane	ug/Kg	0.28	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
Chlorobenzene	ug/Kg	1360	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
Ethylbenzene	ug/Kg	5400	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
o-Xylene	ug/Kg	3800	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
m,p-Xylene	ug/Kg	3600	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
Styrene	ug/Kg	2200	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
Bromoform	ug/Kg	420	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
Isopropylbenzene	ug/Kg	12800	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	1.9	U		2.4	U		2.1	U		2.9	U		2.6	U		2.8	U	
1,3-Dichlorobenzene	ug/Kg	N/A	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
1,4-Dichlorobenzene	ug/Kg	1440	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
1,2-Dichlorobenzene	ug/Kg	11600	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
1,2,3-Trichlorobenzene	ug/Kg	300	4.9	U		6	U		5.3	U		7.2	U		6.6	U		6.9	U	
Additional Parameters																				
pH	s.u.	N/A							7.1		~							5.76		~
Total Organic Carbon	mg/Kg	N/A							1490		~							2190		~

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

Q - Qualifier

C - Comparison

DJ Manufacturing - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	DJSB-01-A			DJSB-01-B			DJSB-01-C			DJSB-02-A			DJSB-02-B			DJSB-02-C		
		Location	DJSB-01			DJSB-01			DJSB-01			DJSB-02			DJSB-02			DJSB-02		
		Sample Date	5/13/2010			5/13/2010			5/13/2010			5/14/2010			5/14/2010			5/14/2010		
		Depth	0 to 4 ft			4 to 8 ft			8 to 12 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
ug/kg - microgram per kilogram		Flag																		
mg/kg - milligram per kilogram																				
mm - millimeter																				
U - non-detect																				
J - estimated value																				
R - rejected data																				
N/A - not applicable																				
PCB - Polychlorinated Biphenyl																				

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

DJ Manufacturing - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	DJSB-02-D			DJSB-02-E			DJSB-03-A			DJSB-03-B			DJSB-03-C			DJSB-03-D			DJSB-03-E		
		Location	DJSB-02			DJSB-02			DJSB-03			DJSB-03			DJSB-03			DJSB-03			DJSB-03		
		Sample Date	5/14/2010			5/14/2010			5/14/2010			5/14/2010			5/14/2010			5/17/2010			5/17/2010		
		Depth	20 to 24 ft			36 to 40 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																							
Dichlorodifluoromethane	ug/Kg	6000	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
Chloromethane	ug/Kg	980	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
Vinyl Chloride	ug/Kg	13.8	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
Bromomethane	ug/Kg	36	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
Chloroethane	ug/Kg	118000	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
Trichlorofluoromethane	ug/Kg	13800	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
1,1-Dichloroethene	ug/Kg	50	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
Acetone	ug/Kg	48000	12	U		9.5	U		14	U		9.8	J	#	11	U		11	U		12	U	
Carbon Disulfide	ug/Kg	4200	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
Methyl Acetate	ug/Kg	64000	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
Methylene Chloride	ug/Kg	26	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
trans-1,2-Dichloroethene	ug/Kg	580	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
Methyl tert-Butyl Ether	ug/Kg	56	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
1,1-Dichloroethane	ug/Kg	13.6	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
cis-1,2-Dichloroethene	ug/Kg	420	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
2-Butanone	ug/Kg	20000	12	U		9.5	U		14	U		13	U		11	U		11	U		12	U	
Chlorobromomethane	ug/Kg	420	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
Chloroform	ug/Kg	290	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
1,1,1-Trichloroethane	ug/Kg	1400	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
Cyclohexane	ug/Kg	117000	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
Carbon Tetrachloride	ug/Kg	38	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
Benzene	ug/Kg	52	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
1,2-Dichloroethane	ug/Kg	28	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
1,4-Dioxane	ug/Kg	2.8	120	R		95	R		140	R		130	R		110	R		110	R		120	R	
Trichloroethene	ug/Kg	36	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	

DJ Manufacturing - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	DJSB-02-D			DJSB-02-E			DJSB-03-A			DJSB-03-B			DJSB-03-C			DJSB-03-D			DJSB-03-E		
		Location	DJSB-02			DJSB-02			DJSB-03			DJSB-03			DJSB-03			DJSB-03			DJSB-03		
		Sample Date	5/14/2010			5/14/2010			5/14/2010			5/14/2010			5/14/2010			5/17/2010			5/17/2010		
		Depth	20 to 24 ft			36 to 40 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
1,2-Dichloropropane	ug/Kg	34	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
Bromodichloromethane	ug/Kg	270	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
cis-1,3-Dichloropropene	ug/Kg	3	2.4	U		1.9	U		2.8	U		2.7	U		2.2	U		2.2	U		2.5	U	
4-Methyl-2-pentanone	ug/Kg	4600	12	U		9.5	U		14	U		13	U		11	U		11	U		12	U	
Toluene	ug/Kg	13800	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
trans-1,3-Dichloropropene	ug/Kg	3	2.4	U		1.9	U		2.8	U		2.7	U		2.2	U		2.2	U		2.5	U	
1,1,2-Trichloroethane	ug/Kg	32	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
Tetrachloroethene	ug/Kg	46	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
2-Hexanone	ug/Kg	158	12	U		9.5	U		14	U		13	U		11	U		11	U		12	U	
Dibromochloromethane	ug/Kg	420	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
1,2-Dibromoethane	ug/Kg	0.28	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
Chlorobenzene	ug/Kg	1360	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
Ethylbenzene	ug/Kg	5400	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
o-Xylene	ug/Kg	3800	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
m,p-Xylene	ug/Kg	3600	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
Styrene	ug/Kg	2200	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
Bromoform	ug/Kg	420	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
Isopropylbenzene	ug/Kg	12800	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	2.4	U		1.9	U		2.8	U		2.7	U		2.2	U		2.2	U		2.5	U	
1,3-Dichlorobenzene	ug/Kg	N/A	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
1,4-Dichlorobenzene	ug/Kg	1440	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
1,2-Dichlorobenzene	ug/Kg	11600	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
1,2,3-Trichlorobenzene	ug/Kg	300	6	U		4.7	U		6.9	U		6.7	U		5.6	U		5.5	U		6.1	U	
Additional Parameters																							
pH	s.u.	N/A				6.22		~							6.48		~				7.44		~
Total Organic Carbon	mg/Kg	N/A				2420		~							1070		~				1140		~

Notes:
Highlight indicates exceedance
SC - Site Specific Screening Criteria
Q - Qualifier
C - Comparisor

R2-0008611

DJ Manufacturing - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	DJSB-02-D			DJSB-02-E			DJSB-03-A			DJSB-03-B			DJSB-03-C			DJSB-03-D			DJSB-03-E		
		Location	DJSB-02			DJSB-02			DJSB-03			DJSB-03			DJSB-03			DJSB-03			DJSB-03		
		Sample Date	5/14/2010			5/14/2010			5/14/2010			5/14/2010			5/14/2010			5/17/2010			5/17/2010		
		Depth	20 to 24 ft			36 to 40 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
ug/kg - microgram per kilogram		Flag																					
mg/kg - milligram per kilogram																							
mm - millimeter																							
U - non-detect																							
J - estimated value																							
R - rejected data																							
N/A - not applicable																							
PCB - Polychlorinated Biphenyl																							

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

DJ Manufacturing - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	DJSB-03-F			DJSB-04-A			DJSB-04-B			DJSB-04-C			DJSB-04-D			DJSB-04-E			DJSB-05-A		
		Location	DJSB-03			DJSB-04			DJSB-04			DJSB-04			DJSB-04			DJSB-04			DJSB-05		
		Sample Date	5/17/2010			5/18/2010			5/18/2010			5/18/2010			5/18/2010			5/18/2010			5/18/2010		
		Depth	39 to 43 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																							
Dichlorodifluoromethane	ug/Kg	6000	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
Chloromethane	ug/Kg	980	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
Vinyl Chloride	ug/Kg	13.8	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
Bromomethane	ug/Kg	36	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
Chloroethane	ug/Kg	118000	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
Trichlorofluoromethane	ug/Kg	13800	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
1,1-Dichloroethene	ug/Kg	50	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
Acetone	ug/Kg	48000	11	U		34		#	13	U		13	U		9.6	U		8.8	U		13	U	
Carbon Disulfide	ug/Kg	4200	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
Methyl Acetate	ug/Kg	64000	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
Methylene Chloride	ug/Kg	26	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
trans-1,2-Dichloroethene	ug/Kg	580	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
Methyl tert-Butyl Ether	ug/Kg	56	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
1,1-Dichloroethane	ug/Kg	13.6	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
cis-1,2-Dichloroethene	ug/Kg	420	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
2-Butanone	ug/Kg	20000	11	U		6	J	#	13	U		13	U		9.6	U		8.8	U		13	U	
Chlorobromomethane	ug/Kg	420	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
Chloroform	ug/Kg	290	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
1,1,1-Trichloroethane	ug/Kg	1400	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
Cyclohexane	ug/Kg	117000	5.5	U		6.8	U		0.54	J	#	6.6	U		4.8	U		4.4	U		6.6	U	
Carbon Tetrachloride	ug/Kg	38	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
Benzene	ug/Kg	52	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
1,2-Dichloroethane	ug/Kg	28	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
1,4-Dioxane	ug/Kg	2.8	110	R		140	R		130	R		130	R		96	R		88	R		130	R	
Trichloroethene	ug/Kg	36	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	

DJ Manufacturing - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	DJSB-03-F			DJSB-04-A			DJSB-04-B			DJSB-04-C			DJSB-04-D			DJSB-04-E			DJSB-05-A		
		Location	DJSB-03			DJSB-04			DJSB-04			DJSB-04			DJSB-04			DJSB-04			DJSB-05		
		Sample Date	5/17/2010			5/18/2010			5/18/2010			5/18/2010			5/18/2010			5/18/2010			5/18/2010		
		Depth	39 to 43 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
1,2-Dichloropropane	ug/Kg	34	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
Bromodichloromethane	ug/Kg	270	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
cis-1,3-Dichloropropene	ug/Kg	3	2.2	U		2.7	U		2.6	U		2.7	U		1.9	U		1.8	U		2.6	U	
4-Methyl-2-pentanone	ug/Kg	4600	11	U		14	U		13	U		13	U		9.6	U		8.8	U		13	U	
Toluene	ug/Kg	13800	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
trans-1,3-Dichloropropene	ug/Kg	3	2.2	U		2.7	U		2.6	U		2.7	U		1.9	U		1.8	U		2.6	U	
1,1,2-Trichloroethane	ug/Kg	32	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
Tetrachloroethene	ug/Kg	46	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
2-Hexanone	ug/Kg	158	11	U		14	U		13	U		13	U		9.6	U		8.8	U		13	U	
Dibromochloromethane	ug/Kg	420	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
1,2-Dibromoethane	ug/Kg	0.28	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
Chlorobenzene	ug/Kg	1360	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
Ethylbenzene	ug/Kg	5400	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
o-Xylene	ug/Kg	3800	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
m,p-Xylene	ug/Kg	3600	5.5	U		6.8	U		0.59	J	#	6.6	U		4.8	U		4.4	U		6.6	U	
Styrene	ug/Kg	2200	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
Bromoform	ug/Kg	420	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
Isopropylbenzene	ug/Kg	12800	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	2.2	U		2.7	U		2.6	U		2.7	U		1.9	U		1.8	U		2.6	U	
1,3-Dichlorobenzene	ug/Kg	N/A	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
1,4-Dichlorobenzene	ug/Kg	1440	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
1,2-Dichlorobenzene	ug/Kg	11600	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
1,2,3-Trichlorobenzene	ug/Kg	300	5.5	U		6.8	U		6.5	U		6.6	U		4.8	U		4.4	U		6.6	U	
Additional Parameters																							
pH	s.u.	N/A										7.24		~				7.43		~			
Total Organic Carbon	mg/Kg	N/A										2660		~				1100		~			

Notes:
Highlight indicates exceedance
SC - Site Specific Screening Criteria
Q - Qualifier
C - Comparisor

R2-0008614

DJ Manufacturing - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	DJSB-03-F			DJSB-04-A			DJSB-04-B			DJSB-04-C			DJSB-04-D			DJSB-04-E			DJSB-05-A		
		Location	DJSB-03			DJSB-04			DJSB-04			DJSB-04			DJSB-04			DJSB-04			DJSB-05		
		Sample Date	5/17/2010			5/18/2010			5/18/2010			5/18/2010			5/18/2010			5/18/2010			5/18/2010		
		Depth	39 to 43 ft			0 to 4 ft			4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			0 to 4 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
ug/kg - microgram per kilogram		Flag																					
mg/kg - milligram per kilogram																							
mm - millimeter																							
U - non-detect																							
J - estimated value																							
R - rejected data																							
N/A - not applicable																							
PCB - Polychlorinated Biphenyl																							

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

DJ Manufacturing - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	DJSB-05-B			DJSB-05-C			DJSB-05-D			DJSB-05-E			DJSB-05-F		
		Location	DJSB-05			DJSB-05			DJSB-05			DJSB-05			DJSB-05		
		Sample Date	5/18/2010			5/18/2010			5/19/2010			5/19/2010			5/19/2010		
		Depth	4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																	
Dichlorodifluoromethane	ug/Kg	6000	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
Chloromethane	ug/Kg	980	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
Vinyl Chloride	ug/Kg	13.8	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
Bromomethane	ug/Kg	36	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
Chloroethane	ug/Kg	118000	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
Trichlorofluoromethane	ug/Kg	13800	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
1,1-Dichloroethene	ug/Kg	50	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
Acetone	ug/Kg	48000	12	U		13	U		3.7	J	#	12	U		11	U	
Carbon Disulfide	ug/Kg	4200	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
Methyl Acetate	ug/Kg	64000	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
Methylene Chloride	ug/Kg	26	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
trans-1,2-Dichloroethene	ug/Kg	580	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
Methyl tert-Butyl Ether	ug/Kg	56	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
1,1-Dichloroethane	ug/Kg	13.6	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
cis-1,2-Dichloroethene	ug/Kg	420	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
2-Butanone	ug/Kg	20000	12	U		13	U		12	U		12	U		11	U	
Chlorobromomethane	ug/Kg	420	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
Chloroform	ug/Kg	290	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
1,1,1-Trichloroethane	ug/Kg	1400	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
Cyclohexane	ug/Kg	117000	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
Carbon Tetrachloride	ug/Kg	38	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
Benzene	ug/Kg	52	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
1,2-Dichloroethane	ug/Kg	28	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
1,4-Dioxane	ug/Kg	2.8	120	R		130	R		120	R		120	R		110	R	
Trichloroethene	ug/Kg	36	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	

DJ Manufacturing - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	DJSB-05-B			DJSB-05-C			DJSB-05-D			DJSB-05-E			DJSB-05-F		
		Location	DJSB-05			DJSB-05			DJSB-05			DJSB-05			DJSB-05		
		Sample Date	5/18/2010			5/18/2010			5/19/2010			5/19/2010			5/19/2010		
		Depth	4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Metylcyclohexane	ug/Kg	N/A	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
1,2-Dichloropropane	ug/Kg	34	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
Bromodichloromethane	ug/Kg	270	5.8	U		6.6	U		1.2	J	#	1.3	J	#	1.5	J	#
cis-1,3-Dichloropropene	ug/Kg	3	2.3	U		2.7	U		6.2	U		6.1	U		5.4	U	
4-Methyl-2-pentanone	ug/Kg	4600	12	U		13	U		12	U		12	U		11	U	
Toluene	ug/Kg	13800	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
trans-1,3-Dichloropropene	ug/Kg	3	2.3	U		2.7	U		6.2	U		6.1	U		5.4	U	
1,1,2-Trichloroethane	ug/Kg	32	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
Tetrachloroethene	ug/Kg	46	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
2-Hexanone	ug/Kg	158	12	U		13	U		12	U		12	U		11	U	
Dibromochloromethane	ug/Kg	420	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
1,2-Dibromoethane	ug/Kg	0.28	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
Chlorobenzene	ug/Kg	1360	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
Ethylbenzene	ug/Kg	5400	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
o-Xylene	ug/Kg	3800	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
m,p-Xylene	ug/Kg	3600	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
Styrene	ug/Kg	2200	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
Bromoform	ug/Kg	420	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
Isopropylbenzene	ug/Kg	12800	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
1,1,2,2-Tetrachloroethane	ug/Kg	0.52	2.3	U		2.7	U		6.2	U		6.1	U		5.4	U	
1,3-Dichlorobenzene	ug/Kg	N/A	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
1,4-Dichlorobenzene	ug/Kg	1440	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
1,2-Dichlorobenzene	ug/Kg	11600	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
1,2-Dibromo-3-chloropropane	ug/Kg	1.72	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
1,2,4-Trichlorobenzene	ug/Kg	4000	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
1,2,3-Trichlorobenzene	ug/Kg	300	5.8	U		6.6	U		6.2	U		6.1	U		5.4	U	
Additional Parameters																	
pH	s.u.	N/A				7.66		~				7.78		~			
Total Organic Carbon	mg/Kg	N/A				1250		~				1770		~			

Notes:
Highlight indicates exceedance
SC - Site Specific Screening Criteria
Q - Qualifier
C - Comparisoı

R2-0008617

DJ Manufacturing - Soil Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	DJSB-05-B			DJSB-05-C			DJSB-05-D			DJSB-05-E			DJSB-05-F		
		Location	DJSB-05			DJSB-05			DJSB-05			DJSB-05			DJSB-05		
		Sample Date	5/18/2010			5/18/2010			5/19/2010			5/19/2010			5/19/2010		
		Depth	4 to 8 ft			8 to 12 ft			20 to 24 ft			32 to 36 ft			44 to 48 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
ug/kg - microgram per kilogram		Flag															
mg/kg - milligram per kilogram																	
mm - millimeter																	
U - non-detect																	
J - estimated value																	
R - rejected data																	
N/A - not applicable																	
PCB - Polychlorinated Biphenyl																	

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

Initial Supply Well Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CARI			CIBA1			CIBA2			CIDR3 1964-A			CIDR3 1964-B			CIDR3 1964-C	
		Location	Caribbean Refrescos			Ciba Vision 1			Ciba Vision 2			Cidra 3			Cidra 3			Cidra 3	
		Sample Date	7/12/2007			7/12/2007			7/12/2007			7/17/2007			7/17/2007			7/17/2007	
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q
Volatile Organic Compounds																			
1,1,1-Trichloroethane	ug/L	200	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
1,1,2,2-Tetrachloroethane	ug/L	1.7	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	5300	0.5	U		0.76		#	0.5	U		0.5	U		0.5	U		0.5	U
1,1,2-Trichloroethane	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
1,1-Dichloroethane	ug/L	2.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
1,1-Dichloroethene	ug/L	7	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
1,2,3-Trichlorobenzene	ug/L	0.52	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
1,2,4-Trichlorobenzene	ug/L	35	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.05	U		0.05	U		0.5	U		0.05	U		0.05	U		0.05	U
1,2-Dibromoethane	ug/L	0.05	0.05	U		0.05	U		0.5	U		0.05	U		0.05	U		0.05	U
1,2-Dichlorobenzene	ug/L	420	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
1,2-Dichloroethane	ug/L	3.8	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
1,2-Dichloropropane	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
1,3-Dichlorobenzene	ug/L	320	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
1,4-Dichlorobenzene	ug/L	63	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
2-Butanone	ug/L	490	5	U		5	U		5	U		5	U		5	U		5	U
2-Hexanone	ug/L	3.4	5	U		5	U		5	U		5	U		5	U		5	U
4-Methyl-2-pentanone	ug/L	100	5	U		5	U		5	U		5	U		5	U		5	U
Acetone	ug/L	1200	5	U		5	U		5	U		5	U		5	U		5	U
Benzene	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Bromodichloromethane	ug/L	5.5	0.5	U		0.5	U		0.5	U		0.86		#	0.84		#	0.82	
Bromoform	ug/L	43	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Bromomethane	ug/L	47	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Carbon Disulfide	ug/L	72	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Carbon Tetrachloride	ug/L	2.3	0.5	U		0.5	U		0.5	U		0.2	J	#	0.2	J	#	0.2	J
Chlorobenzene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Chlorobromomethane	ug/L	8.3	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Chloroethane	ug/L	2100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Chloroform	ug/L	57	0.5	U		0.5	U		0.5	U		6.4		#	6.6		#	6.7	
Chloromethane	ug/L	19	0.5	U		0.65		#	0.5	U		1.1		#	0.63	U		0.51	U
cis-1,2-Dichloroethene	ug/L	70	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
cis-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Cyclohexane	ug/L	1300	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Dibromochloromethane	ug/L	4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Dichlorodifluoromethane	ug/L	19	0.5	U		0.5	U		0.5	U		3.3		#	3.4		#	3.3	

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		Sample Code	CARI			CIBA1			CIBA2			CIDR3 1964-A			CIDR3 1964-B			CIDR3 1964-C	
		Location	Caribbean Refrescos			Ciba Vision 1			Ciba Vision 2			Cidra 3			Cidra 3			Cidra 3	
		Sample Date	7/12/2007			7/12/2007			7/12/2007			7/17/2007			7/17/2007			7/17/2007	
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q
Ethylbenzene	ug/L	530	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Isopropylbenzene	ug/L	39	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
m,p-Xylene	ug/L	10000	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Methyl Acetate	ug/L	1600	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Methyl tert-Butyl Ether	ug/L	12	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Methylene Chloride	ug/L	46	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Metylcyclohexane	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
o-Xylene	ug/L	10000	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Styrene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Tetrachloroethene	ug/L	5	0.5	U		0.5	U		0.5	U		2.2		#	2.2		#	2.3	
Toluene	ug/L	1000	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
trans-1,2-Dichloroethene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
trans-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Trichloroethene	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Trichlorofluoromethane	ug/L	110	0.5	U		0.5	U		0.5	U		0.41	J	#	0.42	J	#	0.42	J
Vinyl Chloride	ug/L	0.25	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Semi-Volatile Organic Compounds																			
1,1'-Biphenyl	ug/L	0.08	5	U		5	U		5	U		5	U		5	U		5	U
1,2,4,5-Tetrachlorobenzene	ug/L	0.12	5	U		5	U		5	U		5	U		5	U		5	U
2,2'-oxybis(1-Chloropropane)	ug/L	1400	5	U		5	U		5	U		5	U		5	U		5	U
2,4,5-Trichlorophenol	ug/L	89	5	U		5	U		5	U		5	U		5	U		5	U
2,4,6-Trichlorophenol	ug/L	14	5	U		5	U		5	U		5	U		5	U		5	U
2,4-Dichlorophenol	ug/L	77	5	U		5	U		5	U		5	U		5	U		5	U
2,4-Dimethylphenol	ug/L	380	5	U		5	U		5	U		5	U		5	U		5	U
2,4-Dinitrophenol	ug/L	69	10	U		10	U		10	U		10	U		10	U		10	U
2,4-Dinitrotoluene	ug/L	1.1	5	U		5	U		5	U		5	U		5	U		5	U
2,6-Dinitrotoluene	ug/L	1.5	5	U		5	U		5	U		5	U		5	U		5	U
2-Chloronaphthalene	ug/L	1000	5	U		5	U		5	U		5	U		5	U		5	U
2-Chlorophenol	ug/L	81	5	U		5	U		5	U		5	U		5	U		5	U
2-Methylnaphthalene	ug/L	2.7	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
2-Methylphenol	ug/L	72	5	U		5	U		5	U		5	U		5	U		5	U
2-Nitroaniline	ug/L	15	10	U		10	U		10	U		10	U		10	U		10	U
2-Nitrophenol	ug/L	N/A	5	U		5	U		5	U		5	U		5	U		5	U
3,3'-Dichlorobenzidine	ug/L	0.21	5	U		5	U		5	U		5	U		5	U		5	U
3-Nitroaniline	ug/L	N/A	10	U		10	U		10	U		10	U		10	U		10	U

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		Sample Code	CARI			CIBA1			CIBA2			CIDR3 1964-A			CIDR3 1964-B			CIDR3 1964-C	
		Location	Caribbean Refrescos			Ciba Vision 1			Ciba Vision 2			Cidra 3			Cidra 3			Cidra 3	
		Sample Date	7/12/2007			7/12/2007			7/12/2007			7/17/2007			7/17/2007			7/17/2007	
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q
4,6-Dinitro-2-methylphenol	ug/L	13	10	U		10	U		10	U		10	U		10	U		10	U
4-Bromophenyl-phenylether	ug/L	N/A	5	U		5	U		5	U		5	U		5	U		5	U
4-Chloro-3-methylphenol	ug/L	110	5	U		5	U		5	U		5	U		5	U		5	U
4-Chloroaniline	ug/L	0.32	5	U		5	U		5	U		5	U		5	U		5	U
4-Chlorophenyl-phenylether	ug/L	N/A	5	U		5	U		5	U		5	U		5	U		5	U
4-Methylphenol	ug/L	140	5	U		5	U		5	U		5	U		5	U		5	U
4-Nitroaniline	ug/L	3.3	10	U		10	U		10	U		10	U		10	U		10	U
4-Nitrophenol	ug/L	N/A	10	U		10	U		10	U		10	U		10	U		10	U
Acenaphthene	ug/L	670	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
Acenaphthylene	ug/L	N/A	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
Acetophenone	ug/L	150	5	U		5	U		5	U		5	U		5	U		5	U
Anthracene	ug/L	8300	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
Atrazine	ug/L	3	5	U		5	U		5	U		5	U		5	U		5	U
Benzaldehyde	ug/L	150	5	U		5	U		5	U		5	U		5	U		5	U
Benzo(a)anthracene	ug/L	0.04	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
Benzo(a)pyrene	ug/L	0.04	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
Benzo(b)fluoranthene	ug/L	0.04	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
Benzo(g,h,i)perylene	ug/L	N/A	0.1	U		0.1	U		0.1	U		0.1	UJ		0.1	UJ		0.1	UJ
Benzo(k)fluoranthene	ug/L	0.04	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
bis(2-Chloroethoxy)methane	ug/L	4.7	5	U		5	U		5	U		5	U		5	U		5	U
bis(2-Chloroethyl) ether	ug/L	0.3	5	U		5	U		5	U		5	U		5	U		5	U
bis(2-Ethylhexyl) phthalate	ug/L	12	5	U		5	U		5	U		0.71	J	#	0.65	J	#	5	U
Butylbenzylphthalate	ug/L	1500	5	U		5	U		5	U		5	U		5	U		5	U
Caprolactam	ug/L	770	5	U		5	U		5	U		5	U		5	U		5	U
Carbazole	ug/L	N/A	5	U		5	U		5	U		5	U		5	U		5	U
Chlorophenols	ug/L	17	5	U		5	U		5	U		5	U		5	U		5	U
Chrysene	ug/L	0.04	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
Dibenz(a,h)anthracene	ug/L	0.04	0.1	UJ		0.1	U		0.1	UJ		0.1	UJ		0.1	UJ		0.1	UJ
Dibenzofuran	ug/L	0.58	5	U		5	U		5	U		5	U		5	U		5	U
Diethylphthalate	ug/L	17000	5	U		5	U		5	U		5	U		5	U		5	U
Dimethylphthalate	ug/L	270000	5	U		5	U		5	U		5	U		5	U		5	U
Di-n-butylphthalate	ug/L	2000	5	U		5	U		5	U		5	U		5	U		5	U
Di-n-octylphthalate	ug/L	N/A	5	U		5	U		5	U		5	U		5	U		5	U
Fluoranthene	ug/L	130	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
Fluorene	ug/L	1100	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
Hexachlorobenzene	ug/L	0.0028	5	U		5	U		5	U		5	U		5	U		5	U

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		Sample Code	CARI			CIBA1			CIBA2			CIDR3 1964-A			CIDR3 1964-B			CIDR3 1964-C	
		Location	Caribbean Refrescos			Ciba Vision 1			Ciba Vision 2			Cidra 3			Cidra 3			Cidra 3	
		Sample Date	7/12/2007			7/12/2007			7/12/2007			7/17/2007			7/17/2007			7/17/2007	
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q
Hexachlorobutadiene	ug/L	4.4	5	U		5	U		5	U		5	U		5	U		5	U
Hexachlorocyclopentadiene	ug/L	40	5	U		5	U		5	U		5	U		5	U		5	U
Hexachloroethane	ug/L	14	5	U		5	U		5	U		5	U		5	U		5	U
Indeno(1,2,3-cd)pyrene	ug/L	0.04	0.1	UJ		0.1	U		0.1	UJ		0.1	U		0.1	U		0.1	U
Isophorone	ug/L	350	5	U		5	U		5	U		5	U		5	U		5	U
Naphthalene	ug/L	0.14	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
Nitrobenzene	ug/L	17	5	U		5	U		5	U		5	U		5	U		5	U
n-Nitroso-di-n-propylamine	ug/L	0.05	5	U		5	U		5	U		5	U		5	U		5	U
n-Nitrosodiphenylamine	ug/L	33	5	U		5	U		5	U		5	U		5	U		5	U
Pentachlorophenol	ug/L	1	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U
Phenanthrene	ug/L	N/A	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
Phenol	ug/L	21000	5	U		5	U		5	U		5	U		5	U		5	U
Pyrene	ug/L	830	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
Aroclors																			
Aroclor-1016	ug/L	0.00064	1	U		1	U		1	U		1	U		1	U		1	U
Aroclor-1221	ug/L	0.00064	1	U		1	U		1	U		1	U		1	U		1	U
Aroclor-1232	ug/L	0.00064	1	U		1	U		1	U		1	U		1	U		1	U
Aroclor-1242	ug/L	0.00064	1	U		1	U		1	U		1	U		1	U		1	U
Aroclor-1248	ug/L	0.00064	1	U		1	U		1	U		1	U		1	U		1	U
Aroclor-1254	ug/L	0.00064	1	U		1	U		1	U		1	U		1	U		1	U
Aroclor-1260	ug/L	0.00064	1	U		1	U		1	U		1	U		1	U		1	U
Aroclor-1262	ug/L	0.00064	1	U		1	U		1	U		1	U		1	U		1	U
Aroclor-1268	ug/L	0.00064	1	U		1	U		1	U		1	U		1	U		1	U
Pesticides																			
alpha-BHC	ug/L	0.03	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U
beta-BHC	ug/L	0.09	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U
delta-BHC	ug/L	N/A	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U
gamma-BHC (Lindane)	ug/L	0.2	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U
Heptachlor	ug/L	0.00079	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U
Aldrin	ug/L	0.00049	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U
Heptachlor epoxide	ug/L	0.2	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U
Endosulfan I	ug/L	62	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U
Dieldrin	ug/L	0.00052	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
4,4'-DDE	ug/L	0.0022	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U

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		Sample Code Location Sample Date	CARI Caribbean Refrescos 7/12/2007			CIBA1 Ciba Vision 1 7/12/2007			CIBA2 Ciba Vision 2 7/12/2007			CIDR3 1964-A Cidra 3 7/17/2007			CIDR3 1964-B Cidra 3 7/17/2007			CIDR3 1964-C Cidra 3 7/17/2007	
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q
Endrin	ug/L	0.06	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
Endosulfan II	ug/L	62	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
4,4'-DDD	ug/L	0.0022	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
Endosulfan sulfate	ug/L	62	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
4,4'-DDT	ug/L	0.0022	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
Methoxychlor	ug/L	40	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Endrin ketone	ug/L	0.06	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
Endrin aldehyde	ug/L	0.29	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
alpha-Chlordane	ug/L	0.01	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U
gamma-Chlordane	ug/L	0.01	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U
Toxaphene	ug/L	0.0028	5	U		5	U		5	U		5	U		5	U		5	U
Inorganic Analytes																			
Aluminum	ug/L	1600	200	U		200	U		200	U		200	U		6.7	J	#	200	U
Antimony	ug/L	5.6	2	U		2	U		2	U		2	U		2	U		2	U
Arsenic	ug/L	10	0.96	J	#	1	U		0.8	J	#	1	U		1	U		1	U
Barium	ug/L	2000	16.2	J	#	19.9	J	#	28.6	J	#	37.4	J	#	38.9	J	#	47.1	J
Beryllium	ug/L	4	5	U		5	U		5	U		5	U		5	U		5	U
Cadmium	ug/L	5	1	U		1	U		1	U		1	U		1	U		1	U
Calcium	ug/L	N/A	27400		~	21500		~	27822		~	50200		~	50100		~	53200	
Chromium	ug/L	100	10	U		10	U		10	U		2.2	J	#	2	J	#	1.1	J
Cobalt	ug/L	0.47	50	U		50	U		50	U		50	U		50	U		50	U
Copper	ug/L	1300	38.6		#	25	U		25	U		1.8	J	#	1.6	J	#	1	J
Iron	ug/L	1100	100	R		560	R		5027	R		258		#	144		#	222	
Lead	ug/L	15	10	U		10	U		10	U		10	U		10	U		10	U
Magnesium	ug/L	N/A	13500		~	21200		~	15100		~	29500		~	29400		~	31100	
Manganese	ug/L	32	15	U		**321**		A	**364**		A	4.3	J	#	2.9	J	#	11.1	J
Mercury	ug/L	0.05	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U
Nickel	ug/L	610	40	U		40	U		40	U		2.9	J	#	1.9	J	#	1.7	J
Potassium	ug/L	N/A	1650	J	~	775	J	~	704	J	~	1860	J	~	1880	J	~	1970	J
Selenium	ug/L	50	5	U		5	U		5	U		5	U		0.61	J	#	0.58	J
Silver	ug/L	7.1	10	U		10	U		10	U		10	U		10	U		10	U
Sodium	ug/L	N/A	19700		~	23100		~	24300		~	22300		~	22500		~	23600	
Thallium	ug/L	0.24	1	U		1	U		1	U		1	U		1	U		1	U
Vanadium	ug/L	7.8	**11.1**	J	A	50	U		50	U		**21.5**	J	A	**20.5**	J	A	**17.7**	J
Zinc	ug/L	470	71.5		#	60	U		**883**		A	43.3	J	#	40.7	J	#	36	J

Initial Supply Well Sample Results - Full Table
Cidra Groundwater Contamination Site
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		Sample Code	CARI			CIBA1			CIBA2			CIDR3 1964-A			CIDR3 1964-B			CIDR3 1964-C	
		Location	Caribbean Refrescos			Ciba Vision 1			Ciba Vision 2			Cidra 3			Cidra 3			Cidra 3	
		Sample Date	7/12/2007			7/12/2007			7/12/2007			7/17/2007			7/17/2007			7/17/2007	
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q
Cyanide	ug/L	200	8	J	#	1.9	J	#	10	U		9	J	#	9.6	J	#	8.6	J

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/L - microgram per liter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

Q - Qualifier

C - Comparison Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

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		Sample Code Location Sample Date		CIDR4-A Cidra 4 7/18/2007			CIDR4-B Cidra 4 7/18/2007			CIDR4-C Cidra 4 7/18/2007			CIDR6 1967-A Cidra 6 7/13/2007			CIDR6 1967-B Cidra 6 7/13/2007			CIDR6 1967- Cidra 6 7/13/2007
Chemical Name	Unit	SC	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result
Volatile Organic Compounds																			
1,1,1-Trichloroethane	ug/L	200		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
1,1,2,2-Tetrachloroethane	ug/L	1.7		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	5300		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
1,1,2-Trichloroethane	ug/L	5		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
1,1-Dichloroethane	ug/L	2.4		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
1,1-Dichloroethene	ug/L	7		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
1,2,3-Trichlorobenzene	ug/L	0.52		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
1,2,4-Trichlorobenzene	ug/L	35		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
1,2-Dibromo-3-chloropropane	ug/L	0.2		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05
1,2-Dibromoethane	ug/L	0.05		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05
1,2-Dichlorobenzene	ug/L	420		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
1,2-Dichloroethane	ug/L	3.8		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
1,2-Dichloropropane	ug/L	5		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
1,3-Dichlorobenzene	ug/L	320		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
1,4-Dichlorobenzene	ug/L	63		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
2-Butanone	ug/L	490		5	U		5	U		5	U		5	U		5	U		5
2-Hexanone	ug/L	3.4		5	U		5	U		5	U		5	U		5	U		5
4-Methyl-2-pentanone	ug/L	100		5	U		5	U		5	U		5	U		5	U		5
Acetone	ug/L	1200		5	U		5	U		5	U		5	U		5	U		5
Benzene	ug/L	5		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
Bromodichloromethane	ug/L	5.5	#	0.5	U		0.5	U		0.5	U		0.83		#	0.86		#	0.75
Bromoform	ug/L	43		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
Bromomethane	ug/L	47		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
Carbon Disulfide	ug/L	72		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
Carbon Tetrachloride	ug/L	2.3	#	0.5	U		0.5	U		0.5	U		0.5	U		0.14	J	#	0.12
Chlorobenzene	ug/L	100		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
Chlorobromomethane	ug/L	8.3		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
Chloroethane	ug/L	2100		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
Chloroform	ug/L	57	#	2.3		#	7.9		#	3.3		#	6.9		#	7.1		#	6.3
Chloromethane	ug/L	19		0.84		#	0.5	U		0.5	U		0.38	J	#	0.5	U		0.5
cis-1,2-Dichloroethene	ug/L	70		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
cis-1,3-Dichloropropene	ug/L	3.4		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
Cyclohexane	ug/L	1300		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
Dibromochloromethane	ug/L	4		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
Dichlorodifluoromethane	ug/L	19	#	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5

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		Sample Code Location Sample Date		CIDR4-A Cidra 4 7/18/2007			CIDR4-B Cidra 4 7/18/2007			CIDR4-C Cidra 4 7/18/2007			CIDR6 1967-A Cidra 6 7/13/2007			CIDR6 1967-B Cidra 6 7/13/2007			CIDR6 1967- Cidra 6 7/13/2007
Chemical Name	Unit	SC	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result
Ethylbenzene	ug/L	530		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
Isopropylbenzene	ug/L	39		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
m,p-Xylene	ug/L	10000		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
Methyl Acetate	ug/L	1600		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
Methyl tert-Butyl Ether	ug/L	12		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
Methylene Chloride	ug/L	46		1		#	0.53	U		0.5	U		0.5	U		0.5	U		0.5
Metylcyclohexane	ug/L	N/A		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
o-Xylene	ug/L	10000		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
Styrene	ug/L	100		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
Tetrachloroethene	ug/L	5	#	0.5	U		0.5	U		0.5	U		0.9		#	0.55		#	0.4
Toluene	ug/L	1000		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
trans-1,2-Dichloroethene	ug/L	100		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
trans-1,3-Dichloropropene	ug/L	3.4		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
Trichloroethene	ug/L	5		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
Trichlorofluoromethane	ug/L	110	#	0.5	U		0.5	U		0.5	U		0.21	J	#	0.22	J	#	0.19
Vinyl Chloride	ug/L	0.25		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
Semi-Volatile Organic Compounds																			
1,1'-Biphenyl	ug/L	0.08		5	U		5	U		5	U		5	U		5	U		5
1,2,4,5-Tetrachlorobenzene	ug/L	0.12		5	U		5	U		5	U		5	U		5	U		5
2,2'-oxybis(1-Chloropropane)	ug/L	1400		5	U		5	U		5	U		5	U		5	U		5
2,4,5-Trichlorophenol	ug/L	89		5	U		5	U		5	U		5	U		5	U		5
2,4,6-Trichlorophenol	ug/L	14		5	U		5	U		5	U		5	U		5	U		5
2,4-Dichlorophenol	ug/L	77		5	U		5	U		5	U		5	U		5	U		5
2,4-Dimethylphenol	ug/L	380		5	U		5	U		5	U		5	U		5	U		5
2,4-Dinitrophenol	ug/L	69		10	U		10	U		10	U		10	U		10	U		10
2,4-Dinitrotoluene	ug/L	1.1		5	U		5	U		5	U		5	U		5	U		5
2,6-Dinitrotoluene	ug/L	1.5		5	U		5	U		5	U		5	U		5	U		5
2-Chloronaphthalene	ug/L	1000		5	U		5	U		5	U		5	U		5	U		5
2-Chlorophenol	ug/L	81		5	U		5	U		5	U		5	U		5	U		5
2-Methylnaphthalene	ug/L	2.7		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1
2-Methylphenol	ug/L	72		5	U		5	U		5	U		5	U		5	U		5
2-Nitroaniline	ug/L	15		10	U		10	U		10	U		10	U		10	U		10
2-Nitrophenol	ug/L	N/A		5	U		5	U		5	U		5	U		5	U		5
3,3'-Dichlorobenzidine	ug/L	0.21		5	U		5	U		5	U		5	U		5	U		5
3-Nitroaniline	ug/L	N/A		10	U		10	U		10	U		10	U		10	U		10

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		Sample Code Location Sample Date		CIDR4-A Cidra 4 7/18/2007			CIDR4-B Cidra 4 7/18/2007			CIDR4-C Cidra 4 7/18/2007			CIDR6 1967-A Cidra 6 7/13/2007			CIDR6 1967-B Cidra 6 7/13/2007			CIDR6 1967- Cidra 6 7/13/2007
Chemical Name	Unit	SC	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result
4,6-Dinitro-2-methylphenol	ug/L	13		10	U		10	U		10	U		10	U		10	U		10
4-Bromophenyl-phenylether	ug/L	N/A		5	U		5	U		5	U		5	U		5	U		5
4-Chloro-3-methylphenol	ug/L	110		5	U		5	U		5	U		5	U		5	U		5
4-Chloroaniline	ug/L	0.32		5	U		5	U		5	U		5	U		5	U		5
4-Chlorophenyl-phenylether	ug/L	N/A		5	U		5	U		5	U		5	U		5	U		5
4-Methylphenol	ug/L	140		5	U		5	U		5	U		5	U		5	U		5
4-Nitroaniline	ug/L	3.3		10	U		10	U		10	U		10	U		10	U		10
4-Nitrophenol	ug/L	N/A		10	U		10	U		10	U		10	U		10	U		10
Acenaphthene	ug/L	670		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.07
Acenaphthylene	ug/L	N/A		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1
Acetophenone	ug/L	150		5	U		5	U		5	U		5	U		5	U		5
Anthracene	ug/L	8300		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1
Atrazine	ug/L	3		5	U		5	U		5	U		5	U		5	U		5
Benzaldehyde	ug/L	150		5	U		5	U		5	U		5	U		5	U		5
Benzo(a)anthracene	ug/L	0.04		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1
Benzo(a)pyrene	ug/L	0.04		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1
Benzo(b)fluoranthene	ug/L	0.04		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1
Benzo(g,h,i)perylene	ug/L	N/A		0.1	UJ		0.1	UJ		0.1	UJ		0.1	U		0.1	U		0.1
Benzo(k)fluoranthene	ug/L	0.04		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1
bis(2-Chloroethoxy)methane	ug/L	4.7		5	U		5	U		5	U		5	U		5	U		5
bis(2-Chloroethyl) ether	ug/L	0.3		5	U		5	U		5	U		5	U		5	U		5
bis(2-Ethylhexyl) phthalate	ug/L	12		0.42	J	#	5	U		5	U		5	U		5	U		5
Butylbenzylphthalate	ug/L	1500		5	U		5	U		5	U		5	U		5	U		5
Caprolactam	ug/L	770		5	U		5	U		5	U		5	U		5	U		5
Carbazole	ug/L	N/A		5	U		5	U		5	U		5	U		5	U		5
Chlorophenols	ug/L	17		5	U		5	U		5	U		5	U		5	U		5
Chrysene	ug/L	0.04		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1
Dibenz(a,h)anthracene	ug/L	0.04		0.1	UJ		0.1	UJ		0.1	UJ		0.1	UJ		0.1	UJ		0.1
Dibenzofuran	ug/L	0.58		5	U		5	U		5	U		5	U		5	U		5
Diethylphthalate	ug/L	17000		5	U		5	U		5	U		5	U		5	U		5
Dimethylphthalate	ug/L	270000		5	U		5	U		5	U		5	U		5	U		5
Di-n-butylphthalate	ug/L	2000		0.31	J	#	5	U		5	U		5	U		5	U		5
Di-n-octylphthalate	ug/L	N/A		5	U		5	U		5	U		5	U		5	U		5
Fluoranthene	ug/L	130		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1
Fluorene	ug/L	1100		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1
Hexachlorobenzene	ug/L	0.0028		5	U		5	U		5	U		5	U		5	U		5

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		Sample Code Location Sample Date		CIDR4-A Cidra 4 7/18/2007			CIDR4-B Cidra 4 7/18/2007			CIDR4-C Cidra 4 7/18/2007			CIDR6 1967-A Cidra 6 7/13/2007			CIDR6 1967-B Cidra 6 7/13/2007			CIDR6 1967- Cidra 6 7/13/2007
Chemical Name	Unit	SC	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result
Hexachlorobutadiene	ug/L	4.4		5	U		5	U		5	U		5	U		5	U		5
Hexachlorocyclopentadiene	ug/L	40		5	U		5	U		5	U		5	U		5	U		5
Hexachloroethane	ug/L	14		5	U		5	U		5	U		5	U		5	U		5
Indeno(1,2,3-cd)pyrene	ug/L	0.04		0.1	U		0.1	U		0.1	U		0.1	UJ		0.1	UJ		0.1
Isophorone	ug/L	350		5	U		5	U		5	U		5	U		5	U		5
Naphthalene	ug/L	0.14		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1
Nitrobenzene	ug/L	17		5	U		5	U		5	U		5	U		5	U		5
n-Nitroso-di-n-propylamine	ug/L	0.05		5	U		5	U		5	U		5	U		5	U		5
n-Nitrosodiphenylamine	ug/L	33		5	U		5	U		5	U		5	U		5	U		5
Pentachlorophenol	ug/L	1		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.15
Phenanthrene	ug/L	N/A		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1
Phenol	ug/L	21000		5	U		5	U		5	U		5	U		5	U		5
Pyrene	ug/L	830		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1
Aroclors																			
Aroclor-1016	ug/L	0.00064		1	U		1	U		1	U		1	U		1	U		1
Aroclor-1221	ug/L	0.00064		1	U		1	U		1	U		1	U		1	U		1
Aroclor-1232	ug/L	0.00064		1	U		1	U		1	U		1	U		1	U		1
Aroclor-1242	ug/L	0.00064		1	U		1	U		1	U		1	U		1	U		1
Aroclor-1248	ug/L	0.00064		1	U		1	U		1	U		1	U		1	U		1
Aroclor-1254	ug/L	0.00064		1	U		1	U		1	U		1	U		1	U		1
Aroclor-1260	ug/L	0.00064		1	U		1	U		1	U		1	U		1	U		1
Aroclor-1262	ug/L	0.00064		1	U		1	U		1	U		1	U		1	U		1
Aroclor-1268	ug/L	0.00064		1	U		1	U		1	U		1	U		1	U		1
Pesticides																			
alpha-BHC	ug/L	0.03		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05
beta-BHC	ug/L	0.09		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05
delta-BHC	ug/L	N/A		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05
gamma-BHC (Lindane)	ug/L	0.2		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05
Heptachlor	ug/L	0.00079		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05
Aldrin	ug/L	0.00049		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05
Heptachlor epoxide	ug/L	0.2		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05
Endosulfan I	ug/L	62		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05
Dieldrin	ug/L	0.00052		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1
4,4'-DDE	ug/L	0.0022		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1

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		Sample Code Location Sample Date		CIDR4-A Cidra 4 7/18/2007			CIDR4-B Cidra 4 7/18/2007			CIDR4-C Cidra 4 7/18/2007			CIDR6 1967-A Cidra 6 7/13/2007			CIDR6 1967-B Cidra 6 7/13/2007			CIDR6 1967- Cidra 6 7/13/2007
Chemical Name	Unit	SC	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result
Endrin	ug/L	0.06		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1
Endosulfan II	ug/L	62		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1
4,4'-DDD	ug/L	0.0022		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1
Endosulfan sulfate	ug/L	62		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.033
4,4'-DDT	ug/L	0.0022		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1
Methoxychlor	ug/L	40		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5
Endrin ketone	ug/L	0.06		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1
Endrin aldehyde	ug/L	0.29		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1
alpha-Chlordane	ug/L	0.01		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05
gamma-Chlordane	ug/L	0.01		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05
Toxaphene	ug/L	0.0028		5	U		5	U		5	U		5	U		5	U		5
Inorganic Analytes																			
Aluminum	ug/L	1600		17.3	J	#	10.4	J	#	6.9	J	#	200	U		200	U		200
Antimony	ug/L	5.6		2	U		2	U		2	U		2	U		2	U		2
Arsenic	ug/L	10		1	U		1	U		0.53	J	#	1	U		2.8	U		1.2
Barium	ug/L	2000	#	138	J	#	158	J	#	192		#	32.8	J	#	57.6	J	#	36.9
Beryllium	ug/L	4		5	U		5	U		5	U		5	U		5	U		0.055
Cadmium	ug/L	5		1	U		1	U		1	U		1	U		1	U		1
Calcium	ug/L	N/A	~	32800		~	36300		~	34000		~	103503		~	109000		~	107000
Chromium	ug/L	100	#	1.6	J	#	1.8	J	#	2	J	#	2.7	J	#	9.7	J	#	2.8
Cobalt	ug/L	0.47		50	U		50	U		50	U		50	U		**2.2**	J	A	50
Copper	ug/L	1300	#	25	U		25	U		25	U		25	U		38.5		#	25
Iron	ug/L	1100	#	**16900**		A	**2950**		A	**7790**		A	1440	R		21700	R		3561
Lead	ug/L	15		10	U		10	U		10	U		10	U		**26.4**		A	4.6
Magnesium	ug/L	N/A	~	18400		~	21200		~	19500		~	22200		~	22600		~	22200
Manganese	ug/L	32	#	**650**		A	**616**		A	**796**		A	19.5		#	**154**		A	**35.4**
Mercury	ug/L	0.05		0.2	U		0.2	U		0.2	U		**0.1**	J	A	**0.45**		A	0.2
Nickel	ug/L	610	#	3.8	J	#	3.2	J	#	3.2	J	#	3.6	J	#	7.1	J	#	2.9
Potassium	ug/L	N/A	~	2260	J	~	2390	J	~	2300	J	~	2000	J	~	2120	J	~	2040
Selenium	ug/L	50	#	5	U		5	U		5	U		5	U		5	U		5
Silver	ug/L	7.1		10	U		10	U		10	U		10	U		10	U		10
Sodium	ug/L	N/A	~	19900		~	21900		~	20000		~	41400		~	42600		~	42200
Thallium	ug/L	0.24		1	U		1	U		1	U		1	U		1	U		1
Vanadium	ug/L	7.8	A	2.2	J	#	5.1	J	#	2.2	J	#	**9.8**	J	A	**23.4**	J	A	**11**
Zinc	ug/L	470	#	30.7	J	#	28.3	J	#	22.1	J	#	60	U		61		#	30.4

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		Sample Code		CIDR4-A			CIDR4-B			CIDR4-C			CIDR6 1967-A			CIDR6 1967-B			CIDR6 1967-
		Location		Cidra 4			Cidra 4			Cidra 4			Cidra 6			Cidra 6			Cidra 6
		Sample Date		7/18/2007			7/18/2007			7/18/2007			7/13/2007			7/13/2007			7/13/2007
Chemical Name	Unit	SC	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result
Cyanide	ug/L	200	#	29.4		#	12.7		#	16.4		#	34.5		#	24.8		#	103

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/L - microgram per liter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

Q - Qualifier

C - Comparison Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

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		Sample Code Location Sample Date	C		CIDR8-A Cidra 8 7/20/2007			CIDR8-B Cidra 8 7/20/2007			CIDR8-C Cidra 8 7/20/2007			IVAXD IVAX (former) 7/19/2007			IVAXI IVAX (former) 7/19/2007		
Chemical Name	Unit	SC	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																			
1,1,1-Trichloroethane	ug/L	200	U		1	U		1	U		1	U		0.5	U		0.5	U	
1,1,2,2-Tetrachloroethane	ug/L	1.7	U		1	U		1	U		1	U		0.5	U		0.5	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	5300	U		1	U		1	U		1	U		0.16	J	#	0.25	J	#
1,1,2-Trichloroethane	ug/L	5	U		1	U		1	U		1	U		0.22	J	#	0.5	J	#
1,1-Dichloroethane	ug/L	2.4	U		1	U		1	U		1	U		**2.9**	J	A	**5.9**	J	A
1,1-Dichloroethene	ug/L	7	U		2.6		#	2.5		#	2.6		#	**25**		A	**56**		A
1,2,3-Trichlorobenzene	ug/L	0.52	UJ		1	U		1	U		1	U		0.5	U		0.5	U	
1,2,4-Trichlorobenzene	ug/L	35	UJ		1	U		1	U		1	U		0.5	U		0.5	U	
1,2-Dibromo-3-chloropropane	ug/L	0.2	U		0.1	U		0.1	U		0.1	U		0.05	U		0.05	U	
1,2-Dibromoethane	ug/L	0.05	U		0.1	U		0.1	U		0.1	U		0.05	U		0.05	U	
1,2-Dichlorobenzene	ug/L	420	U		1	U		1	U		1	U		0.5	U		0.5	U	
1,2-Dichloroethane	ug/L	3.8	U		1	U		1	U		1	U		0.5	U		0.5	U	
1,2-Dichloropropane	ug/L	5	U		1	U		1	U		1	U		0.5	U		0.5	U	
1,3-Dichlorobenzene	ug/L	320	U		1	U		1	U		1	U		0.5	U		0.5	U	
1,4-Dichlorobenzene	ug/L	63	U		1	U		1	U		1	U		0.5	U		0.5	U	
2-Butanone	ug/L	490	U		10	U		10	U		10	U		5	U		5	U	
2-Hexanone	ug/L	3.4	U		10	U		10	U		10	U		5	U		5	U	
4-Methyl-2-pentanone	ug/L	100	U		10	U		10	U		10	U		5	U		5	U	
Acetone	ug/L	1200	U		10	U		10	U		10	U		5	U		5	U	
Benzene	ug/L	5	U		1	U		1	U		1	U		0.5	U		0.5	U	
Bromodichloromethane	ug/L	5.5		#	1	U		1	U		1	U		0.54		#	0.93		#
Bromoform	ug/L	43	U		1	U		1	U		1	U		0.5	U		0.5	U	
Bromomethane	ug/L	47	U		1	U		1	U		1	U		0.5	U		0.5	U	
Carbon Disulfide	ug/L	72	U		1	U		1	U		1	U		0.5	U		0.5	U	
Carbon Tetrachloride	ug/L	2.3	J	#	1	U		1	U		1	U		0.5	U		0.5	U	
Chlorobenzene	ug/L	100	U		1	U		1	U		1	U		0.5	U		0.5	U	
Chlorobromomethane	ug/L	8.3	U		1	U		1	U		1	U		0.5	U		0.5	U	
Chloroethane	ug/L	2100	U		1	U		1	U		1	U		0.5	U		0.5	U	
Chloroform	ug/L	57		#	3.8		#	3.4		#	3.7		#	**67**		A	**150**		A
Chloromethane	ug/L	19	U		1	U		1	U		1	U		0.62	U		0.5	U	
cis-1,2-Dichloroethene	ug/L	70	U		17		#	15		#	16		#	0.5	U		0.5	U	
cis-1,3-Dichloropropene	ug/L	3.4	U		1	U		1	U		1	U		0.5	U		0.5	U	
Cyclohexane	ug/L	1300	U		1	U		1	U		1	U		0.5	U		0.5	U	
Dibromochloromethane	ug/L	4	U		1	U		1	U		1	U		0.5	U		0.16	J	#
Dichlorodifluoromethane	ug/L	19	U		1	U		1	U		1	U		0.5	U		0.5	U	

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		Sample Code Location Sample Date	C		CIDR8-A Cidra 8 7/20/2007			CIDR8-B Cidra 8 7/20/2007			CIDR8-C Cidra 8 7/20/2007			IVAXD IVAX (former) 7/19/2007			IVAXI IVAX (former) 7/19/2007		
Chemical Name	Unit	SC	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Ethylbenzene	ug/L	530	U		1	U		1	U		1	U		0.5	U		0.5	U	
Isopropylbenzene	ug/L	39	U		1	U		1	U		1	U		0.5	U		0.5	U	
m,p-Xylene	ug/L	10000	U		1	U		1	U		1	U		0.5	U		0.5	U	
Methyl Acetate	ug/L	1600	U		1	U		1	U		1	U		0.5	U		0.5	U	
Methyl tert-Butyl Ether	ug/L	12	U		1	U		1	U		1	U		0.5	U		0.5	U	
Methylene Chloride	ug/L	46	U		1	U		1	U		1	U		0.5	U		0.5	U	
Metylcyclohexane	ug/L	N/A	U		1	U		1	U		1	U		0.5	U		0.5	U	
o-Xylene	ug/L	10000	U		1	U		1	U		1	U		0.5	U		0.5	U	
Styrene	ug/L	100	U		1	U		1	U		1	U		0.5	U		0.5	U	
Tetrachloroethene	ug/L	5	J	#	**120**		A	**120**		A	**120**		A	1.7		#	3.3		#
Toluene	ug/L	1000	U		1	U		1	U		1	U		0.5	U		0.5	U	
trans-1,2-Dichloroethene	ug/L	100	U		1	U		1	U		1	U		0.5	U		0.5	U	
trans-1,3-Dichloropropene	ug/L	3.4	U		1	U		1	U		1	U		0.5	U		0.5	U	
Trichloroethene	ug/L	5	U		5		#	4.6		#	4.6		#	0.5	U		0.5	U	
Trichlorofluoromethane	ug/L	110	J	#	0.47	J	#	0.45	J	#	0.45	J	#	0.5	U		0.5	U	
Vinyl Chloride	ug/L	0.25	U		1	U		1	U		1	U		0.5	U		0.5	U	
Semi-Volatile Organic Compounds																			
1,1'-Biphenyl	ug/L	0.08	U		5	U		5	U		5	U		5	U		5	U	
1,2,4,5-Tetrachlorobenzene	ug/L	0.12	U		5	U		5	U		5	U		5	U		5	U	
2,2'-oxybis(1-Chloropropane)	ug/L	1400	U		5	U		5	U		5	U		5	U		5	U	
2,4,5-Trichlorophenol	ug/L	89	U		5	U		5	U		5	U		5	U		5	U	
2,4,6-Trichlorophenol	ug/L	14	U		5	U		5	U		5	U		5	U		5	U	
2,4-Dichlorophenol	ug/L	77	U		5	U		5	U		5	U		5	U		5	U	
2,4-Dimethylphenol	ug/L	380	U		5	U		5	U		5	U		5	U		5	U	
2,4-Dinitrophenol	ug/L	69	U		10	U		10	U		10	U		10	U		10	U	
2,4-Dinitrotoluene	ug/L	1.1	U		5	U		5	U		5	U		5	U		5	U	
2,6-Dinitrotoluene	ug/L	1.5	U		5	U		5	U		5	U		5	U		5	U	
2-Chloronaphthalene	ug/L	1000	U		5	U		5	U		5	U		5	U		5	U	
2-Chlorophenol	ug/L	81	U		5	U		5	U		5	U		5	U		5	U	
2-Methylnaphthalene	ug/L	2.7	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
2-Methylphenol	ug/L	72	U		5	U		5	U		5	U		5	U		5	U	
2-Nitroaniline	ug/L	15	U		10	U		10	U		10	U		10	U		10	U	
2-Nitrophenol	ug/L	N/A	U		5	U		5	U		5	U		5	U		5	U	
3,3'-Dichlorobenzidine	ug/L	0.21	U		5	U		5	U		5	U		5	U		5	U	
3-Nitroaniline	ug/L	N/A	U		10	U		10	U		10	U		10	U		10	U	

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		Sample Code Location Sample Date	C		CIDR8-A Cidra 8 7/20/2007			CIDR8-B Cidra 8 7/20/2007			CIDR8-C Cidra 8 7/20/2007			IVAXD IVAX (former) 7/19/2007			IVAXI IVAX (former) 7/19/2007		
Chemical Name	Unit	SC	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
4,6-Dinitro-2-methylphenol	ug/L	13	U		10	U		10	U		10	U		10	U		10	U	
4-Bromophenyl-phenylether	ug/L	N/A	U		5	U		5	U		5	U		5	U		5	U	
4-Chloro-3-methylphenol	ug/L	110	U		5	U		5	U		5	U		5	U		5	U	
4-Chloroaniline	ug/L	0.32	U		5	U		5	U		5	U		5	U		5	U	
4-Chlorophenyl-phenylether	ug/L	N/A	U		5	U		5	U		5	U		5	U		5	U	
4-Methylphenol	ug/L	140	U		5	U		5	U		5	U		5	U		5	U	
4-Nitroaniline	ug/L	3.3	U		10	U		10	U		10	U		10	U		10	U	
4-Nitrophenol	ug/L	N/A	U		10	U		10	U		10	U		10	U		10	U	
Acenaphthene	ug/L	670	J	#	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
Acenaphthylene	ug/L	N/A	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
Acetophenone	ug/L	150	U		5	U		5	U		5	U		5	U		5	U	
Anthracene	ug/L	8300	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
Atrazine	ug/L	3	U		5	U		5	U		5	U		5	U		5	U	
Benzaldehyde	ug/L	150	U		5	U		5	U		5	U		5	U		5	U	
Benzo(a)anthracene	ug/L	0.04	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
Benzo(a)pyrene	ug/L	0.04	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
Benzo(b)fluoranthene	ug/L	0.04	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
Benzo(g,h,i)perylene	ug/L	N/A	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
Benzo(k)fluoranthene	ug/L	0.04	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
bis(2-Chloroethoxy)methane	ug/L	4.7	U		5	U		5	U		5	U		5	U		5	U	
bis(2-Chloroethyl) ether	ug/L	0.3	U		5	U		5	U		5	U		5	U		5	U	
bis(2-Ethylhexyl) phthalate	ug/L	12	U		5	U		5	U		5	U		5	U		5	U	
Butylbenzylphthalate	ug/L	1500	U		5	U		5	U		5	U		0.37	J	#	0.47	J	#
Caprolactam	ug/L	770	U		5	U		5	U		5	U		5	U		5	U	
Carbazole	ug/L	N/A	U		5	U		5	U		5	U		5	U		5	U	
Chlorophenols	ug/L	17	U		5	U		5	U		5	U		5	U		5	U	
Chrysene	ug/L	0.04	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
Dibenz(a,h)anthracene	ug/L	0.04	UJ		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
Dibenzofuran	ug/L	0.58	U		5	U		5	U		5	U		5	U		5	U	
Diethylphthalate	ug/L	17000	U		0.35	J	#	0.34	J	#	0.21	J	#	5	U		5	U	
Dimethylphthalate	ug/L	270000	U		5	U		5	U		5	U		5	U		5	U	
Di-n-butylphthalate	ug/L	2000	U		5	U		5	U		5	U		5	U		5	U	
Di-n-octylphthalate	ug/L	N/A	U		5	U		5	U		5	U		5	U		5	U	
Fluoranthene	ug/L	130	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
Fluorene	ug/L	1100	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
Hexachlorobenzene	ug/L	0.0028	U		5	U		5	U		5	U		5	U		5	U	

Initial Supply Well Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code Location Sample Date	C		CIDR8-A Cidra 8 7/20/2007			CIDR8-B Cidra 8 7/20/2007			CIDR8-C Cidra 8 7/20/2007			IVAXD IVAX (former) 7/19/2007			IVAXI IVAX (former) 7/19/2007		
Chemical Name	Unit	SC	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Hexachlorobutadiene	ug/L	4.4	U		5	U		5	U		5	U		5	U		5	U	
Hexachlorocyclopentadiene	ug/L	40	U		5	U		5	U		5	U		5	U		5	U	
Hexachloroethane	ug/L	14	U		5	U		5	U		5	U		5	U		5	U	
Indeno(1,2,3-cd)pyrene	ug/L	0.04	UJ		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
Isophorone	ug/L	350	U		5	U		5	U		5	U		5	U		5	U	
Naphthalene	ug/L	0.14	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
Nitrobenzene	ug/L	17	U		5	U		5	U		5	U		5	U		5	U	
n-Nitroso-di-n-propylamine	ug/L	0.05	U		5	U		5	U		5	U		5	U		5	U	
n-Nitrosodiphenylamine	ug/L	33	U		5	U		5	U		5	U		5	U		5	U	
Pentachlorophenol	ug/L	1	J	#	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Phenanthrene	ug/L	N/A	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
Phenol	ug/L	21000	U		5	U		5	U		5	U		5	U		5	U	
Pyrene	ug/L	830	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
Aroclors																			
Aroclor-1016	ug/L	0.00064	U		1	U		1	U		1	U		1	U		1	U	
Aroclor-1221	ug/L	0.00064	U		1	U		1	U		1	U		1	U		1	U	
Aroclor-1232	ug/L	0.00064	U		1	U		1	U		1	U		1	U		1	U	
Aroclor-1242	ug/L	0.00064	U		1	U		1	U		1	U		1	U		1	U	
Aroclor-1248	ug/L	0.00064	U		1	U		1	U		1	U		1	U		1	U	
Aroclor-1254	ug/L	0.00064	U		1	U		1	U		1	U		1	U		1	U	
Aroclor-1260	ug/L	0.00064	U		1	U		1	U		1	U		1	U		1	U	
Aroclor-1262	ug/L	0.00064	U		1	U		1	U		1	U		1	U		1	U	
Aroclor-1268	ug/L	0.00064	U		1	U		1	U		1	U		1	U		1	U	
Pesticides																			
alpha-BHC	ug/L	0.03	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U	
beta-BHC	ug/L	0.09	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U	
delta-BHC	ug/L	N/A	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U	
gamma-BHC (Lindane)	ug/L	0.2	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U	
Heptachlor	ug/L	0.00079	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U	
Aldrin	ug/L	0.00049	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U	
Heptachlor epoxide	ug/L	0.2	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U	
Endosulfan I	ug/L	62	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U	
Dieldrin	ug/L	0.00052	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
4,4'-DDE	ug/L	0.0022	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	

Initial Supply Well Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code Location Sample Date	C		CIDR8-A Cidra 8 7/20/2007			CIDR8-B Cidra 8 7/20/2007			CIDR8-C Cidra 8 7/20/2007			IVAXD IVAX (former) 7/19/2007			IVAXI IVAX (former) 7/19/2007		
Chemical Name	Unit	SC	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Endrin	ug/L	0.06	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
Endosulfan II	ug/L	62	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
4,4'-DDD	ug/L	0.0022	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
Endosulfan sulfate	ug/L	62	J	#	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
4,4'-DDT	ug/L	0.0022	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
Methoxychlor	ug/L	40	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Endrin ketone	ug/L	0.06	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
Endrin aldehyde	ug/L	0.29	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
alpha-Chlordane	ug/L	0.01	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U	
gamma-Chlordane	ug/L	0.01	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U	
Toxaphene	ug/L	0.0028	U		5	U		5	U		5	U		5	U		5	U	
Inorganic Analytes																			
Aluminum	ug/L	1600	U		25.3	J	#	17.5	J	#	23.9	J	#	200	U		200	U	
Antimony	ug/L	5.6	U		2	U		2	U		2	U		2	U		2	U	
Arsenic	ug/L	10	U		2.5	J	#	2.5	J	#	2.7	J	#	1	U		1	U	
Barium	ug/L	2000	J	#	133	J	#	138	J	#	138	J	#	108	J	#	196		#
Beryllium	ug/L	4	J	#	5	U		5	U		5	U		5	U		5	U	
Cadmium	ug/L	5	U		1	U		1	U		1	U		1	U		1	U	
Calcium	ug/L	N/A		~	31700		~	32300		~	31700		~	47800		~	36300		~
Chromium	ug/L	100	J	#	8.8	J	#	8.4	J	#	6.7	J	#	7.3	J	#	12.5		#
Cobalt	ug/L	0.47	U		**2**	J	A	**2.4**	J	A	**2**	J	A	**2.3**	J	A	50	U	
Copper	ug/L	1300	U		7.4	J	#	4.7	J	#	2.5	J	#	1.3	J	#	25	U	
Iron	ug/L	1100	R		**3440**		A	**2480**		A	**2380**		A	79.3	J	#	107		#
Lead	ug/L	15	J	#	10	U		10	U		10	U		10	U		10	U	
Magnesium	ug/L	N/A		~	18400		~	18800		~	18600		~	19400		~	16700		~
Manganese	ug/L	32		A	20		#	16		#	15.9		#	15	U		15	U	
Mercury	ug/L	0.05	U		0.2	U		0.2	U		0.2	U		**0.09**	J	A	0.2	U	
Nickel	ug/L	610	J	#	9.3	J	#	8.1	J	#	8.4	J	#	6.3	J	#	10.2	J	#
Potassium	ug/L	N/A	J	~	1860	J	~	1910	J	~	1900	J	~	2040	J	~	2280	J	~
Selenium	ug/L	50	U		0.67	J	#	0.74	J	#	0.66	J	#	5	U		5	U	
Silver	ug/L	7.1	U		10	U		10	U		10	U		1.6	J	#	10	U	
Sodium	ug/L	N/A		~	19500		~	19900		~	19400		~	20400		~	20300		~
Thallium	ug/L	0.24	U		1	U		1	U		1	U		1	U		1	U	
Vanadium	ug/L	7.8	J	A	**29.9**	J	A	**28.1**	J	A	**28**	J	A	**19.8**	J	A	**19.4**	J	A
Zinc	ug/L	470	J	#	39	J	#	39.7	J	#	36.3	J	#	31.2	J	#	31.6	J	#

Initial Supply Well Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	C		CIDR8-A			CIDR8-B			CIDR8-C			IVAXD			IVAXI		
		Location			Cidra 8			Cidra 8			Cidra 8			IVAX (former)			IVAX (former)		
		Sample Date			7/20/2007			7/20/2007			7/20/2007			7/19/2007			7/19/2007		
Chemical Name	Unit	SC	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Cyanide	ug/L	200		#	6.9	J	#	7.3	J	#	7.5	J	#	8.2	J	#	4.6	J	#

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/L - microgram per liter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

Q - Qualifier

C - Comparison Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

Initial Supply Well Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IVAXS			MYLA			PELL			PEPS			RABA			VILL	
		Location	IVAX (former)			Mylan			Pellegrin 1			Pepsi			Rabanal			Villa Carmen	
		Sample Date	7/19/2007			7/12/2007			7/24/2007			7/12/2007			7/31/2007			7/31/2007	
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q
Volatile Organic Compounds																			
1,1,1-Trichloroethane	ug/L	200	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
1,1,2,2-Tetrachloroethane	ug/L	1.7	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	5300	0.19	J	#	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
1,1,2-Trichloroethane	ug/L	5	0.49	J	#	0.5	U		0.5	UJ		0.5	U		0.5	U		0.5	U
1,1-Dichloroethane	ug/L	2.4	**6.9**	J	A	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
1,1-Dichloroethene	ug/L	7	**49**		A	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
1,2,3-Trichlorobenzene	ug/L	0.52	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
1,2,4-Trichlorobenzene	ug/L	35	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U
1,2-Dibromoethane	ug/L	0.05	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U
1,2-Dichlorobenzene	ug/L	420	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
1,2-Dichloroethane	ug/L	3.8	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
1,2-Dichloropropane	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
1,3-Dichlorobenzene	ug/L	320	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
1,4-Dichlorobenzene	ug/L	63	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
2-Butanone	ug/L	490	5	U		5	U		5	U		5	U		5	U		5	U
2-Hexanone	ug/L	3.4	5	U		5	U		5	U		5	U		5	U		5	U
4-Methyl-2-pentanone	ug/L	100	5	U		5	U		5	U		5	U		5	U		5	U
Acetone	ug/L	1200	5	U		5	U		5	U		5	U		5	U		5	U
Benzene	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Bromodichloromethane	ug/L	5.5	1		#	0.5	U		0.5	U		0.13	J	#	0.5	U		0.5	U
Bromoform	ug/L	43	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Bromomethane	ug/L	47	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Carbon Disulfide	ug/L	72	0.5	U		0.5	U		0.17	J	#	0.5	U		0.5	U		0.5	U
Carbon Tetrachloride	ug/L	2.3	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Chlorobenzene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Chlorobromomethane	ug/L	8.3	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Chloroethane	ug/L	2100	0.5	U		0.5	U		0.5	U		0.5	U		0.14	J	#	0.14	J
Chloroform	ug/L	57	**160**		A	0.5	U		0.5	U		1.1	U		0.5	U		0.5	U
Chloromethane	ug/L	19	0.5	U		0.5	U		0.5	U		0.5	U		0.64		#	0.31	J
cis-1,2-Dichloroethene	ug/L	70	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
cis-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	UJ		0.5	U		0.5	U		0.5	U
Cyclohexane	ug/L	1300	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Dibromochloromethane	ug/L	4	0.19	J	#	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Dichlorodifluoromethane	ug/L	19	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U

Initial Supply Well Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IVAXS			MYLA			PELL			PEPS			RABA			VILL	
		Location	IVAX (former)			Mylan			Pellegrin 1			Pepsi			Rabanal			Villa Carmen	
		Sample Date	7/19/2007			7/12/2007			7/24/2007			7/12/2007			7/31/2007			7/31/2007	
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q
Ethylbenzene	ug/L	530	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Isopropylbenzene	ug/L	39	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
m,p-Xylene	ug/L	10000	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Methyl Acetate	ug/L	1600	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Methyl tert-Butyl Ether	ug/L	12	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Methylene Chloride	ug/L	46	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Metylcyclohexane	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
o-Xylene	ug/L	10000	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Styrene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Tetrachloroethene	ug/L	5	3.5		#	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Toluene	ug/L	1000	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
trans-1,2-Dichloroethene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
trans-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	UJ		0.5	U		0.5	U		0.5	U
Trichloroethene	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Trichlorofluoromethane	ug/L	110	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Vinyl Chloride	ug/L	0.25	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Semi-Volatile Organic Compounds																			
1,1'-Biphenyl	ug/L	0.08	5	U		5	U		5	U		5	U		5	U		5	U
1,2,4,5-Tetrachlorobenzene	ug/L	0.12	5	U		5	U		5	U		5	U		5	U		5	U
2,2'-oxybis(1-Chloropropane)	ug/L	1400	5	U		5	U		5	U		5	U		5	U		5	U
2,4,5-Trichlorophenol	ug/L	89	5	U		5	U		5	U		5	U		5	U		5	U
2,4,6-Trichlorophenol	ug/L	14	5	U		5	U		5	U		5	U		5	U		5	U
2,4-Dichlorophenol	ug/L	77	5	U		5	U		5	U		5	U		5	U		5	U
2,4-Dimethylphenol	ug/L	380	5	U		5	U		5	U		5	U		5	U		5	U
2,4-Dinitrophenol	ug/L	69	10	U		10	U		10	U		10	U		10	U		10	U
2,4-Dinitrotoluene	ug/L	1.1	5	U		5	U		5	U		5	U		5	U		5	U
2,6-Dinitrotoluene	ug/L	1.5	5	U		5	U		5	U		5	U		5	U		5	U
2-Chloronaphthalene	ug/L	1000	5	U		5	U		5	U		5	U		5	U		5	U
2-Chlorophenol	ug/L	81	5	U		5	U		5	U		5	U		5	U		5	U
2-Methylnaphthalene	ug/L	2.7	0.1	U		0.1	U		0.1	U		0.032	J	#	0.1	U		0.1	U
2-Methylphenol	ug/L	72	5	U		5	U		5	U		5	U		5	U		5	U
2-Nitroaniline	ug/L	15	10	U		10	U		10	U		10	U		10	U		10	U
2-Nitrophenol	ug/L	N/A	5	U		5	U		5	U		5	U		5	U		5	U
3,3'-Dichlorobenzidine	ug/L	0.21	5	U		5	U		5	U		5	U		5	U		5	U
3-Nitroaniline	ug/L	N/A	10	U		10	U		10	U		10	U		10	U		10	U

Initial Supply Well Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IVAXS			MYLA			PELL			PEPS			RABA			VILL	
		Location	IVAX (former)			Mylan			Pellegrin 1			Pepsi			Rabanal			Villa Carmen	
		Sample Date	7/19/2007			7/12/2007			7/24/2007			7/12/2007			7/31/2007			7/31/2007	
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q
4,6-Dinitro-2-methylphenol	ug/L	13	10	U		10	U		10	U		10	U		10	U		10	U
4-Bromophenyl-phenylether	ug/L	N/A	5	U		5	U		5	U		5	U		5	U		5	U
4-Chloro-3-methylphenol	ug/L	110	5	U		5	U		5	U		5	U		5	U		5	U
4-Chloroaniline	ug/L	0.32	5	U		5	U		5	U		5	U		5	U		5	U
4-Chlorophenyl-phenylether	ug/L	N/A	5	U		5	U		5	U		5	U		5	U		5	U
4-Methylphenol	ug/L	140	5	U		5	U		5	U		5	U		5	U		5	U
4-Nitroaniline	ug/L	3.3	10	U		10	U		10	U		10	U		10	U		10	U
4-Nitrophenol	ug/L	N/A	10	U		10	U		10	U		10	U		10	U		10	U
Acenaphthene	ug/L	670	0.1	U		0.1	U		0.1	U		0.023	J	#	0.1	U		0.1	U
Acenaphthylene	ug/L	N/A	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
Acetophenone	ug/L	150	5	U		5	U		5	U		5	U		5	U		5	U
Anthracene	ug/L	8300	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
Atrazine	ug/L	3	5	U		5	U		5	U		5	U		5	U		5	U
Benzaldehyde	ug/L	150	5	U		5	U		5	U		5	U		5	U		5	U
Benzo(a)anthracene	ug/L	0.04	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
Benzo(a)pyrene	ug/L	0.04	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
Benzo(b)fluoranthene	ug/L	0.04	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
Benzo(g,h,i)perylene	ug/L	N/A	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
Benzo(k)fluoranthene	ug/L	0.04	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
bis(2-Chloroethoxy)methane	ug/L	4.7	5	U		5	U		5	U		5	U		5	U		5	U
bis(2-Chloroethyl) ether	ug/L	0.3	5	U		5	U		5	U		5	U		5	U		5	U
bis(2-Ethylhexyl) phthalate	ug/L	12	5	U		5	U		5	U		5	U		5	U		5	U
Butylbenzylphthalate	ug/L	1500	0.36	J	#	5	U		5	U		5	U		5	U		5	U
Caprolactam	ug/L	770	5	U		5	U		5	U		5	U		5	U		5	U
Carbazole	ug/L	N/A	5	U		5	U		5	U		5	U		5	U		5	U
Chlorophenols	ug/L	17	5	U		5	U		5	U		5	U		5	U		5	U
Chrysene	ug/L	0.04	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
Dibenz(a,h)anthracene	ug/L	0.04	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
Dibenzofuran	ug/L	0.58	5	U		5	U		5	U		5	U		5	U		5	U
Diethylphthalate	ug/L	17000	5	U		5	U		5	U		5	U		5	U		5	U
Dimethylphthalate	ug/L	270000	5	U		5	U		5	U		5	U		5	U		5	U
Di-n-butylphthalate	ug/L	2000	5	U		5	U		5	U		5	U		5	U		5	U
Di-n-octylphthalate	ug/L	N/A	5	U		5	U		5	U		5	U		5	U		5	U
Fluoranthene	ug/L	130	0.1	U		0.1	U		0.1	U		0.1	U		0.03	J	#	0.1	U
Fluorene	ug/L	1100	0.1	U		0.1	U		0.1	U		0.029	J	#	0.1	U		0.1	U
Hexachlorobenzene	ug/L	0.0028	5	U		5	U		5	U		5	U		5	U		5	U

Initial Supply Well Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IVAXS			MYLA			PELL			PEPS			RABA			VILL	
		Location	IVAX (former)			Mylan			Pellegrin 1			Pepsi			Rabanal			Villa Carmen	
		Sample Date	7/19/2007			7/12/2007			7/24/2007			7/12/2007			7/31/2007			7/31/2007	
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q
Hexachlorobutadiene	ug/L	4.4	5	U		5	U		5	U		5	U		5	U		5	U
Hexachlorocyclopentadiene	ug/L	40	5	U		5	U		5	U		5	U		5	U		5	U
Hexachloroethane	ug/L	14	5	U		5	U		5	U		5	U		5	U		5	U
Indeno(1,2,3-cd)pyrene	ug/L	0.04	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
Isophorone	ug/L	350	5	U		5	U		5	U		5	U		5	U		5	U
Naphthalene	ug/L	0.14	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
Nitrobenzene	ug/L	17	5	U		5	U		5	U		5	U		5	U		5	U
n-Nitroso-di-n-propylamine	ug/L	0.05	5	U		5	U		5	U		5	U		5	UJ		5	UJ
n-Nitrosodiphenylamine	ug/L	33	5	U		5	U		5	U		5	U		5	U		5	U
Pentachlorophenol	ug/L	1	0.2	U		0.2	U		0.2	U		0.038	J	#	0.2	UJ		0.2	UJ
Phenanthrene	ug/L	N/A	0.1	U		0.1	U		0.1	U		0.02	J	~	0.1	U		0.1	U
Phenol	ug/L	21000	5	U		5	U		5	U		5	U		5	U		5	U
Pyrene	ug/L	830	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
Aroclors																			
Aroclor-1016	ug/L	0.00064	1	U		1	U		1	U		1	U		1	U		1	U
Aroclor-1221	ug/L	0.00064	1	U		1	U		1	U		1	U		1	U		1	U
Aroclor-1232	ug/L	0.00064	1	U		1	U		1	U		1	U		1	U		1	U
Aroclor-1242	ug/L	0.00064	1	U		1	U		1	U		1	U		1	U		1	U
Aroclor-1248	ug/L	0.00064	1	U		1	U		1	U		1	U		1	U		1	U
Aroclor-1254	ug/L	0.00064	1	U		1	U		1	U		1	U		1	U		1	U
Aroclor-1260	ug/L	0.00064	1	U		1	U		1	U		1	U		1	U		1	U
Aroclor-1262	ug/L	0.00064	1	U		1	U		1	U		1	U		1	U		1	U
Aroclor-1268	ug/L	0.00064	1	U		1	U		1	U		1	U		1	U		1	U
Pesticides																			
alpha-BHC	ug/L	0.03	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U
beta-BHC	ug/L	0.09	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U
delta-BHC	ug/L	N/A	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U
gamma-BHC (Lindane)	ug/L	0.2	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U
Heptachlor	ug/L	0.00079	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U
Aldrin	ug/L	0.00049	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U
Heptachlor epoxide	ug/L	0.2	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U
Endosulfan I	ug/L	62	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U
Dieldrin	ug/L	0.00052	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
4,4'-DDE	ug/L	0.0022	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U

Initial Supply Well Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IVAXS			MYLA			PELL			PEPS			RABA			VILL	
		Location	IVAX (former)			Mylan			Pellegrin 1			Pepsi			Rabanal			Villa Carmen	
		Sample Date	7/19/2007			7/12/2007			7/24/2007			7/12/2007			7/31/2007			7/31/2007	
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q
Endrin	ug/L	0.06	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
Endosulfan II	ug/L	62	0.1	U		0.1	U		0.1	U		0.11		#	0.1	U		0.1	U
4,4'-DDD	ug/L	0.0022	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
Endosulfan sulfate	ug/L	62	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
4,4'-DDT	ug/L	0.0022	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
Methoxychlor	ug/L	40	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U
Endrin ketone	ug/L	0.06	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
Endrin aldehyde	ug/L	0.29	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U
alpha-Chlordane	ug/L	0.01	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U
gamma-Chlordane	ug/L	0.01	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U
Toxaphene	ug/L	0.0028	5	U		5	U		5	U		5	U		5	U		5	U
Inorganic Analytes																			
Aluminum	ug/L	1600	8.8	J	#	200	U		200	U		200	U		200	U		200	U
Antimony	ug/L	5.6	2	U		2	U		2	U		2	U		2	U		2	U
Arsenic	ug/L	10	0.58	J	#	1	U		2.3	U		1	U		2.1	U		1.9	U
Barium	ug/L	2000	245		#	17.3	J	#	10	U		10	U		203		#	10	U
Beryllium	ug/L	4	5	U		0.05	J	#	0.065	J	#	5	U		5	U		5	U
Cadmium	ug/L	5	1	U		1	U		1	U		1	U		1	U		1	U
Calcium	ug/L	N/A	37100		~	46100		~	48200		~	24934		~	58400		~	20600	
Chromium	ug/L	100	14.8		#	10	U		1.3	J	#	10	U		10	U		3.2	J
Cobalt	ug/L	0.47	50	U		50	U		50	U		50	U		50	U		50	U
Copper	ug/L	1300	0.94	J	#	25	U		2.3	J	#	25	U		57.8		#	0.8	J
Iron	ug/L	1100	150		#	1433	R		100	U		138	R		654		#	374	
Lead	ug/L	15	10	U		10	U		10	U		10	U		10	U		10	U
Magnesium	ug/L	N/A	18100		~	26100		~	22400		~	16000		~	33100		~	10900	
Manganese	ug/L	32	5	U		**445**		A	15	U		15	U		**6600**		A	15	U
Mercury	ug/L	0.05	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		**0.2**	
Nickel	ug/L	610	14.8	J	#	1.7	J	#	40	U		40	U		2.4	J	#	1.6	J
Potassium	ug/L	N/A	2640	J	~	1540	J	~	607	J	~	1040	J	~	571	J	~	1110	J
Selenium	ug/L	50	5	U		5	U		5	U		5	U		0.48	J	#	0.55	J
Silver	ug/L	7.1	10	U		10	U		10	U		10	U		10	U		10	U
Sodium	ug/L	N/A	22300		~	23000		~	14500		~	19100		~	39300		~	23500	
Thallium	ug/L	0.24	1	U		1	U		1	U		1	U		1	U		1	U
Vanadium	ug/L	7.8	**20.7**	J	A	**12**	J	A	**29.5**	J	A	**14.8**	J	A	**34.6**	J	A	**24.1**	J
Zinc	ug/L	470	35.1	J	#	60	U		38.7	J	#	60	U		89.9		#	60.2	

Initial Supply Well Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	IVAXS			MYLA			PELL			PEPS			RABA			VILL	
		Location	IVAX (former)			Mylan			Pellegrin 1			Pepsi			Rabanal			Villa Carmen	
		Sample Date	7/19/2007			7/12/2007			7/24/2007			7/12/2007			7/31/2007			7/31/2007	
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q
Cyanide	ug/L	200	4.3	J	#	15.9		#	4.6	J	#	13.4		#	10	U		10	U

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/L - microgram per liter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

Q - Qualifier

C - Comparison Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

Initial Supply Well Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code Location Sample Date		ZAPA Zapera 7/31/2007			ZENI1 IVAX 1 7/16/2007			ZENI2 IVAX 2 7/16/2007		
Chemical Name	Unit	SC	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds												
1,1,1-Trichloroethane	ug/L	200		0.5	U		0.5	U		0.5	U	
1,1,2,2-Tetrachloroethane	ug/L	1.7		0.5	U		0.5	U		0.5	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	5300		0.5	U		0.5	U		0.5	U	
1,1,2-Trichloroethane	ug/L	5		0.5	U		0.5	U		0.5	U	
1,1-Dichloroethane	ug/L	2.4		0.5	U		0.49	J	#	1.3	J	#
1,1-Dichloroethene	ug/L	7		0.5	U		5.1		#	**17**		A
1,2,3-Trichlorobenzene	ug/L	0.52		0.5	U		0.5	U		0.5	U	
1,2,4-Trichlorobenzene	ug/L	35		0.5	U		0.5	U		0.5	U	
1,2-Dibromo-3-chloropropane	ug/L	0.2		0.05	U		0.5	U		0.5	U	
1,2-Dibromoethane	ug/L	0.05		0.05	U		0.5	U		0.5	U	
1,2-Dichlorobenzene	ug/L	420		0.5	U		0.5	U		0.5	U	
1,2-Dichloroethane	ug/L	3.8		0.5	U		0.5	U		0.5	U	
1,2-Dichloropropane	ug/L	5		0.5	U		0.5	U		0.5	U	
1,3-Dichlorobenzene	ug/L	320		0.5	U		0.5	U		0.5	U	
1,4-Dichlorobenzene	ug/L	63		0.5	U		0.5	U		0.5	U	
2-Butanone	ug/L	490		5	U		5	U		5	U	
2-Hexanone	ug/L	3.4		5	U		5	U		5	U	
4-Methyl-2-pentanone	ug/L	100		5	U		5	U		5	U	
Acetone	ug/L	1200		5	U		5	U		5	U	
Benzene	ug/L	5		0.5	U		0.5	U		0.5	U	
Bromodichloromethane	ug/L	5.5		0.5	U		0.21	J	#	0.37	J	#
Bromoform	ug/L	43		0.5	U		0.5	U		0.5	U	
Bromomethane	ug/L	47		0.5	U		0.5	U		0.5	U	
Carbon Disulfide	ug/L	72		0.5	U		0.5	U		0.5	U	
Carbon Tetrachloride	ug/L	2.3		0.5	U		0.5	U		0.5	U	
Chlorobenzene	ug/L	100		0.5	U		0.5	U		0.5	U	
Chlorobromomethane	ug/L	8.3		0.5	U		0.5	U		0.5	U	
Chloroethane	ug/L	2100	#	0.23	J	#	0.5	U		0.5	U	
Chloroform	ug/L	57		0.5	U		13		#	39		#
Chloromethane	ug/L	19	#	0.61		#	0.5	U		1.2		#
cis-1,2-Dichloroethene	ug/L	70		0.5	U		0.5	U		0.5	U	
cis-1,3-Dichloropropene	ug/L	3.4		0.5	U		0.5	U		0.5	U	
Cyclohexane	ug/L	1300		0.5	U		0.5	U		0.5	U	
Dibromochloromethane	ug/L	4		0.5	U		0.5	U		0.5	U	
Dichlorodifluoromethane	ug/L	19		0.5	U		0.5	U		0.5	U	

Initial Supply Well Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code		ZAPA			ZENI1			ZENI2		
		Location		Zapera			IVAX 1			IVAX 2		
		Sample Date		7/31/2007			7/16/2007			7/16/2007		
Chemical Name	Unit	SC	C	Result	Q	C	Result	Q	C	Result	Q	C
Ethylbenzene	ug/L	530		0.5	U		0.5	U		0.5	U	
Isopropylbenzene	ug/L	39		0.5	U		0.5	U		0.5	U	
m,p-Xylene	ug/L	10000		0.5	U		0.5	U		0.5	U	
Methyl Acetate	ug/L	1600		0.5	U		0.5	U		0.5	U	
Methyl tert-Butyl Ether	ug/L	12		0.5	U		0.5	U		0.5	U	
Methylene Chloride	ug/L	46		0.5	U		0.5	U		0.5	U	
Metylcyclohexane	ug/L	N/A		0.5	U		0.5	U		0.5	U	
o-Xylene	ug/L	10000		0.5	U		0.5	U		0.5	U	
Styrene	ug/L	100		0.5	U		0.5	U		0.5	U	
Tetrachloroethene	ug/L	5		0.5	U		0.5	U		0.89		#
Toluene	ug/L	1000		0.5	U		0.5	U		0.5	U	
trans-1,2-Dichloroethene	ug/L	100		0.5	U		0.5	U		0.5	U	
trans-1,3-Dichloropropene	ug/L	3.4		0.5	U		0.5	U		0.5	U	
Trichloroethene	ug/L	5		0.5	U		0.5	U		0.5	U	
Trichlorofluoromethane	ug/L	110		0.5	U		0.5	U		0.5	U	
Vinyl Chloride	ug/L	0.25		0.5	U		0.5	U		0.5	U	
Semi-Volatile Organic Compounds												
1,1'-Biphenyl	ug/L	0.08		5	U		5	U		5	U	
1,2,4,5-Tetrachlorobenzene	ug/L	0.12		5	U		5	U		5	U	
2,2'-oxybis(1-Chloropropane)	ug/L	1400		5	U		5	U		5	U	
2,4,5-Trichlorophenol	ug/L	89		5	U		5	U		5	U	
2,4,6-Trichlorophenol	ug/L	14		5	U		5	U		5	U	
2,4-Dichlorophenol	ug/L	77		5	U		5	U		5	U	
2,4-Dimethylphenol	ug/L	380		5	U		5	U		5	U	
2,4-Dinitrophenol	ug/L	69		10	U		10	U		10	U	
2,4-Dinitrotoluene	ug/L	1.1		5	U		5	U		5	U	
2,6-Dinitrotoluene	ug/L	1.5		5	U		5	U		5	U	
2-Chloronaphthalene	ug/L	1000		5	U		5	U		5	U	
2-Chlorophenol	ug/L	81		5	U		5	U		5	U	
2-Methylnaphthalene	ug/L	2.7		0.1	U		5	U		5	U	
2-Methylphenol	ug/L	72		5	U		5	U		5	U	
2-Nitroaniline	ug/L	15		10	U		10	U		10	U	
2-Nitrophenol	ug/L	N/A		5	U		5	U		5	U	
3,3'-Dichlorobenzidine	ug/L	0.21		5	U		5	U		5	U	
3-Nitroaniline	ug/L	N/A		10	U		10	U		10	U	

Initial Supply Well Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code Location Sample Date		ZAPA Zapera 7/31/2007			ZENI1 IVAX 1 7/16/2007			ZENI2 IVAX 2 7/16/2007		
Chemical Name	Unit	SC	C	Result	Q	C	Result	Q	C	Result	Q	C
4,6-Dinitro-2-methylphenol	ug/L	13		10	U		10	U		10	U	
4-Bromophenyl-phenylether	ug/L	N/A		5	U		5	U		5	U	
4-Chloro-3-methylphenol	ug/L	110		5	U		5	U		5	U	
4-Chloroaniline	ug/L	0.32		5	U		5	U		5	U	
4-Chlorophenyl-phenylether	ug/L	N/A		5	U		5	U		5	U	
4-Methylphenol	ug/L	140		5	U		5	U		5	U	
4-Nitroaniline	ug/L	3.3		10	U		10	U		10	U	
4-Nitrophenol	ug/L	N/A		10	U		10	U		10	U	
Acenaphthene	ug/L	670		0.1	U		5	U		5	U	
Acenaphthylene	ug/L	N/A		0.1	U		5	U		5	U	
Acetophenone	ug/L	150		5	U		5	U		5	U	
Anthracene	ug/L	8300		0.1	U		5	U		5	U	
Atrazine	ug/L	3		5	U		5	U		5	U	
Benzaldehyde	ug/L	150		5	U		5	U		5	U	
Benzo(a)anthracene	ug/L	0.04		0.1	U		5	U		5	U	
Benzo(a)pyrene	ug/L	0.04		0.1	U		5	U		5	U	
Benzo(b)fluoranthene	ug/L	0.04		0.1	U		5	U		5	U	
Benzo(g,h,i)perylene	ug/L	N/A		0.1	U		5	U		5	U	
Benzo(k)fluoranthene	ug/L	0.04		0.1	U		5	U		5	U	
bis(2-Chloroethoxy)methane	ug/L	4.7		5	U		5	U		5	U	
bis(2-Chloroethyl) ether	ug/L	0.3		5	U		5	U		5	U	
bis(2-Ethylhexyl) phthalate	ug/L	12		5	U		5	U		5	U	
Butylbenzylphthalate	ug/L	1500		5	U		5	U		5	U	
Caprolactam	ug/L	770		0.46	J	#	5	U		5	U	
Carbazole	ug/L	N/A		5	U		5	U		5	U	
Chlorophenols	ug/L	17		5	U		5	U		5	U	
Chrysene	ug/L	0.04		0.1	U		5	U		5	U	
Dibenz(a,h)anthracene	ug/L	0.04		0.1	U		5	U		5	U	
Dibenzofuran	ug/L	0.58		5	U		5	U		5	U	
Diethylphthalate	ug/L	17000		5	U		5	U		5	U	
Dimethylphthalate	ug/L	270000		5	U		5	U		5	U	
Di-n-butylphthalate	ug/L	2000		5	U		5	U		5	U	
Di-n-octylphthalate	ug/L	N/A		5	U		5	U		5	U	
Fluoranthene	ug/L	130		0.1	U		5	U		5	U	
Fluorene	ug/L	1100		0.1	U		5	U		5	U	
Hexachlorobenzene	ug/L	0.0028		5	U		5	U		5	U	

Initial Supply Well Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code Location Sample Date		ZAPA Zapera 7/31/2007			ZENI1 IVAX 1 7/16/2007			ZENI2 IVAX 2 7/16/2007		
Chemical Name	Unit	SC	C	Result	Q	C	Result	Q	C	Result	Q	C
Hexachlorobutadiene	ug/L	4.4		5	U		5	U		5	U	
Hexachlorocyclopentadiene	ug/L	40		5	U		5	U		5	U	
Hexachloroethane	ug/L	14		5	U		5	U		5	U	
Indeno(1,2,3-cd)pyrene	ug/L	0.04		0.1	U		5	U		5	U	
Isophorone	ug/L	350		5	U		5	U		5	U	
Naphthalene	ug/L	0.14		0.024	J	#	5	U		5	U	
Nitrobenzene	ug/L	17		5	U		5	U		5	U	
n-Nitroso-di-n-propylamine	ug/L	0.05		5	UJ		5	U		5	U	
n-Nitrosodiphenylamine	ug/L	33		5	U		5	U		5	U	
Pentachlorophenol	ug/L	1		0.2	UJ		10	U		10	U	
Phenanthrene	ug/L	N/A		0.1	U		5	U		5	U	
Phenol	ug/L	21000		5	U		5	U		5	U	
Pyrene	ug/L	830		0.1	U		5	U		5	U	
Aroclors												
Aroclor-1016	ug/L	0.00064		1	U		1	U		1	U	
Aroclor-1221	ug/L	0.00064		1	U		1	U		1	U	
Aroclor-1232	ug/L	0.00064		1	U		1	U		1	U	
Aroclor-1242	ug/L	0.00064		1	U		1	U		1	U	
Aroclor-1248	ug/L	0.00064		1	U		1	U		1	U	
Aroclor-1254	ug/L	0.00064		1	U		1	U		1	U	
Aroclor-1260	ug/L	0.00064		1	U		1	U		1	U	
Aroclor-1262	ug/L	0.00064		1	U		1	U		1	U	
Aroclor-1268	ug/L	0.00064		1	U		1	U		1	U	
Pesticides												
alpha-BHC	ug/L	0.03		0.05	U		0.05	U		0.05	U	
beta-BHC	ug/L	0.09		0.05	U		0.05	U		0.05	U	
delta-BHC	ug/L	N/A		0.05	U		0.05	U		0.05	U	
gamma-BHC (Lindane)	ug/L	0.2		0.05	U		0.05	U		0.05	U	
Heptachlor	ug/L	0.00079		0.05	U		0.05	U		0.05	U	
Aldrin	ug/L	0.00049		0.05	U		0.05	U		0.05	U	
Heptachlor epoxide	ug/L	0.2		0.05	U		0.05	U		0.05	U	
Endosulfan I	ug/L	62		0.05	U		0.05	U		0.05	U	
Dieldrin	ug/L	0.00052		0.1	U		0.1	U		0.1	U	
4,4'-DDE	ug/L	0.0022		0.1	U		0.1	U		0.1	U	

Initial Supply Well Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code Location Sample Date		ZAPA Zapera 7/31/2007			ZENI1 IVAX 1 7/16/2007			ZENI2 IVAX 2 7/16/2007		
Chemical Name	Unit	SC	C	Result	Q	C	Result	Q	C	Result	Q	C
Endrin	ug/L	0.06		0.1	U		0.1	U		0.1	U	
Endosulfan II	ug/L	62		0.1	U		0.016	J	#	0.1	U	
4,4'-DDD	ug/L	0.0022		0.1	U		0.1	U		0.1	U	
Endosulfan sulfate	ug/L	62		0.1	U		0.1	U		0.1	U	
4,4'-DDT	ug/L	0.0022		0.1	U		0.1	U		0.1	U	
Methoxychlor	ug/L	40		0.5	U		0.5	U		0.5	U	
Endrin ketone	ug/L	0.06		0.1	U		0.1	U		0.1	U	
Endrin aldehyde	ug/L	0.29		0.1	U		0.1	U		0.1	U	
alpha-Chlordane	ug/L	0.01		0.05	U		0.05	U		0.05	U	
gamma-Chlordane	ug/L	0.01		0.05	U		0.05	U		0.05	U	
Toxaphene	ug/L	0.0028		5	U		5	U		5	U	
Inorganic Analytes												
Aluminum	ug/L	1600		200	U		200	U		200	U	
Antimony	ug/L	5.6		2	U		2	U		2	U	
Arsenic	ug/L	10		1.8	U		1	U		1	U	
Barium	ug/L	2000		10	U		29.6	J	#	31.8	J	#
Beryllium	ug/L	4		5	U		5	U		5	U	
Cadmium	ug/L	5		1	U		1	U		1	U	
Calcium	ug/L	N/A	~	51200		~	42600		~	44200		~
Chromium	ug/L	100	#	2.4	J	#	10	U		10	U	
Cobalt	ug/L	0.47		50	U		50	U		50	U	
Copper	ug/L	1300	#	5.5	J	#	25	U		25	U	
Iron	ug/L	1100	#	267		#	100	R		100	R	
Lead	ug/L	15		10	U		10	U		10	U	
Magnesium	ug/L	N/A	~	35100		~	17600		~	18200		~
Manganese	ug/L	32		**87.6**		A	15	U		15	U	
Mercury	ug/L	0.05	A	0.2	U		0.2	U		0.2	U	
Nickel	ug/L	610	#	40	U		40	U		40	U	
Potassium	ug/L	N/A	~	1090	J	~	1720	J	~	1820	J	~
Selenium	ug/L	50	#	0.66	J	#	5	U		5	U	
Silver	ug/L	7.1		10	U		10	U		10	U	
Sodium	ug/L	N/A	~	32900		~	17500		~	18100		~
Thallium	ug/L	0.24		1	U		1	U		1	U	
Vanadium	ug/L	7.8	A	**34.4**	J	A	**20**	J	A	**20.8**	J	A
Zinc	ug/L	470	#	41.9	J	#	**842**		A	219		#

Initial Supply Well Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code		ZAPA			ZENI1			ZENI2		
		Location		Zapera			IVAX 1			IVAX 2		
		Sample Date		7/31/2007			7/16/2007			7/16/2007		
Chemical Name	Unit	SC	C	Result	Q	C	Result	Q	C	Result	Q	C
Cyanide	ug/L	200		10	U		7.8	J	#	8	J	#

Notes:
Highlight indicates exceedance
SC - Site Specific Screening Criteria
ug/L - microgram per liter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable

Q - Qualifier
C - Comparison Flag

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

Packer Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	PS-MPW1-127			PS-MPW1-135			PS-MPW1-145			PS-MPW1-155			PS-MPW1-215			PS-MPW1-235		
		Location	MPW-1			MPW-1			MPW-1			MPW-1			MPW-1			MPW-1		
		Sample Date	7/8/2008			7/7/2008			7/7/2008			7/7/2008			7/3/2008			7/3/2008		
		Depth	122 to 132 Ft			130 to 140 ft			140 to 150 ft			150 to 160 Ft			210 to 220 ft			230 to 240 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/L	19	0.41	J	#	0.44	J	#	0.41	J	#	0.39	J	#	0.33	J	#	0.47	J	#
Chloromethane	ug/L	19	0.5	U		0.22	J	#	0.5	U		0.5	U		0.5	U		0.5	U	
Vinyl Chloride	ug/L	0.25	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromomethane	ug/L	47	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chloroethane	ug/L	2100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Trichlorofluoromethane	ug/L	110	0.5	U		0.5	U		0.5	UJ		0.5	U		0.5	U		0.5	U	
1,1-Dichloroethene	ug/L	7	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	5300	0.5	U		0.5	U		0.5	UJ		0.5	U		0.5	U		0.5	U	
Acetone	ug/L	1200	5	U		5	U		5	U		5	U		5	U		5	U	
Carbon Disulfide	ug/L	72	0.081	J	#	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methyl Acetate	ug/L	1600	0.5	U		0.5	U		0.5	UJ		0.5	U		0.5	U		0.5	U	
Methylene Chloride	ug/L	46	0.5	U		0.5	U		0.5	UJ		0.5	U		0.5	U		0.5	U	
trans-1,2-Dichloroethene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methyl tert-Butyl Ether	ug/L	12	0.5	U		0.5	U		0.5	UJ		0.5	U		0.5	U		0.5	U	
1,1-Dichloroethane	ug/L	2.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
cis-1,2-Dichloroethene	ug/L	70	0.36	J	#	0.12	J	#	0.084	J	#	0.096	J	#	0.14	J	#	0.088	J	#
2-Butanone	ug/L	490	5	U		5	U		5	U		5	U		5	U		5	U	
Chlorobromomethane	ug/L	8.3	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chloroform	ug/L	57	6.7		#	7.4		#	6.5		#	6.5		#	6.3		#	7.3		#
1,1,1-Trichloroethane	ug/L	200	0.5	U		0.5	U		0.5	UJ		0.5	U		0.5	U		0.5	U	
Cyclohexane	ug/L	1300	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Carbon Tetrachloride	ug/L	2.3	1.2		#	1.3		#	1.3	J	#	1.2		#	0.67		#	1		#
Benzene	ug/L	5	0.54		#	0.44	J	#	0.49	J	#	0.51		#	0.24	J	#	0.45	J	#
1,2-Dichloroethane	ug/L	3.8	0.5	U		0.5	U		0.5	UJ		0.5	U		0.5	U		0.5	U	
Trichloroethene	ug/L	5	0.44	J	#	0.19	J	#	0.17	J	#	0.15	J	#	0.16	J	#	0.16	J	#
Metylcyclohexane	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichloropropane	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromodichloromethane	ug/L	5.5	0.55		#	0.56		#	0.53		#	0.56		#	0.39	J	#	0.46	J	#
cis-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
4-Methyl-2-pentanone	ug/L	100	5	U		5	U		5	U		5	U		5	U		5	U	
Toluene	ug/L	1000	6.3		#	7		#	8		#	7.3		#	2.2		#	8.1		#
trans-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2-Trichloroethane	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	

Packer Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	PS-MPW1-127			PS-MPW1-135			PS-MPW1-145			PS-MPW1-155			PS-MPW1-215			PS-MPW1-235		
		Location	MPW-1			MPW-1			MPW-1			MPW-1			MPW-1			MPW-1		
		Sample Date	7/8/2008			7/7/2008			7/7/2008			7/7/2008			7/3/2008			7/3/2008		
		Depth	122 to 132 Ft			130 to 140 ft			140 to 150 ft			150 to 160 Ft			210 to 220 ft			230 to 240 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Tetrachloroethene	ug/L	5	**10**		A	3.3		#	3.3		#	3.4		#	0.88		#	0.73		#
2-Hexanone	ug/L	3.4	5	U		5	U		5	U		5	U		5	U		5	U	
Dibromochloromethane	ug/L	4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dibromoethane	ug/L	0.05	0.5	U		0.5	U		0.5	UJ		0.5	U		0.5	U		0.5	U	
Chlorobenzene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Ethylbenzene	ug/L	530	0.65		#	0.59		#	0.58		#	0.57		#	0.38	J	#	0.52		#
o-Xylene	ug/L	10000	0.95		#	0.88		#	0.85		#	0.87		#	0.47	J	#	0.74		#
m,p-Xylene	ug/L	10000	2.8		#	2.4		#	2.4		#	2.4		#	1.4		#	2.1		#
Styrene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromoform	ug/L	43	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Isopropylbenzene	ug/L	39	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2,2-Tetrachloroethane	ug/L	1.7	0.5	U		0.5	U		0.5	UJ		0.5	UJ		0.5	U		0.5	U	
1,3-Dichlorobenzene	ug/L	320	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,4-Dichlorobenzene	ug/L	63	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichlorobenzene	ug/L	420	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.5	U		0.5	U		0.5	UJ		0.5	UJ		0.5	U		0.5	U	
1,2,4-Trichlorobenzene	ug/L	35	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2,3-Trichlorobenzene	ug/L	0.52	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	

Notes:
Highlight indicates exceedance
SC - Site Specific Screening Criteria
ug/L - microgram per liter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable

Q - Qualifier
C - Comparison Flag

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

Packer Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	PS-MPW1-247			PS-MPW1-281			PS-MPW1-305			PS-MPW2-141			PS-MPW2-163			PS-MPW2-183		
		Location	MPW-1			MPW-1			MPW-1			MPW-2			MPW-2			MPW-2		
		Sample Date	7/3/2008			7/3/2008			7/2/2008			6/27/2008			6/27/2008			6/27/2008		
		Depth	242 to 252 ft			276 to 286 ft			300 to 324 Ft			136 to 146 ft			158 to 168 ft			178 to 188 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/L	19	0.51		#	0.34	J	#	0.47	J	#	0.38	J	#	0.49	J	#	0.45	J	#
Chloromethane	ug/L	19	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Vinyl Chloride	ug/L	0.25	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromomethane	ug/L	47	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chloroethane	ug/L	2100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Trichlorofluoromethane	ug/L	110	0.5	U		0.5	U		0.5	U		0.21	J	#	0.21	J	#	0.19	J	#
1,1-Dichloroethene	ug/L	7	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	5300	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Acetone	ug/L	1200	5	U		5	U		5	U		5	U		5	U		5	U	
Carbon Disulfide	ug/L	72	1.2		#	0.5	U		0.5	U		0.2	J	#	0.33	J	#	0.29	J	#
Methyl Acetate	ug/L	1600	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methylene Chloride	ug/L	46	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
trans-1,2-Dichloroethene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methyl tert-Butyl Ether	ug/L	12	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1-Dichloroethane	ug/L	2.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
cis-1,2-Dichloroethene	ug/L	70	0.5	U		0.5	J	#	0.5	U		0.5	U		0.5	U		0.5	U	
2-Butanone	ug/L	490	5	U		5	U		5	U		5	U		5	U		5	U	
Chlorobromomethane	ug/L	8.3	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chloroform	ug/L	57	7.9		#	6		#	7.4		#	28		#	27		#	25		#
1,1,1-Trichloroethane	ug/L	200	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Cyclohexane	ug/L	1300	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Carbon Tetrachloride	ug/L	2.3	1.3		#	0.51		#	1.1		#	0.13	J	#	0.16	J	#	0.18	J	#
Benzene	ug/L	5	0.33	J	#	0.35	J	#	0.23	J	#	0.5	U		0.5	U		0.5	U	
1,2-Dichloroethane	ug/L	3.8	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Trichloroethene	ug/L	5	0.12	J	#	0.29	J	#	0.5	U		0.5	U		0.5	U		0.12	J	#
Metylcyclohexane	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichloropropane	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromodichloromethane	ug/L	5.5	0.59		#	0.27	J	#	0.54		#	1.4		#	1.4		#	1.3		#
cis-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
4-Methyl-2-pentanone	ug/L	100	5	U		5	U		5	U		5	U		5	U		5	U	
Toluene	ug/L	1000	5.6		#	2.1		#	1.4		#	2.8		#	4.3		#	6.5		#
trans-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2-Trichloroethane	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	

Packer Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	PS-MPW1-247			PS-MPW1-281			PS-MPW1-305			PS-MPW2-141			PS-MPW2-163			PS-MPW2-183		
		Location	MPW-1			MPW-1			MPW-1			MPW-2			MPW-2			MPW-2		
		Sample Date	7/3/2008			7/3/2008			7/2/2008			6/27/2008			6/27/2008			6/27/2008		
		Depth	242 to 252 ft			276 to 286 ft			300 to 324 Ft			136 to 146 ft			158 to 168 ft			178 to 188 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Tetrachloroethene	ug/L	5	0.37	J	#	2.9		#	0.35	J	#	0.14	J	#	0.17	J	#	0.17	J	#
2-Hexanone	ug/L	3.4	5	U		5	U		5	U		5	U		5	U		5	U	
Dibromochloromethane	ug/L	4	0.5	U		0.5	U		0.5	U		0.5	U		0.1	J	#	0.1	J	#
1,2-Dibromoethane	ug/L	0.05	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chlorobenzene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Ethylbenzene	ug/L	530	0.28	J	#	0.29	J	#	0.1	J	#	0.12	J	#	0.14	J	#	0.17	J	#
o-Xylene	ug/L	10000	0.38	J	#	0.38	J	#	0.13	J	#	0.15	J	#	0.19	J	#	0.21	J	#
m,p-Xylene	ug/L	10000	1.1		#	1.1		#	0.5	U		0.43	J	#	0.51		#	0.61		#
Styrene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromoform	ug/L	43	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Isopropylbenzene	ug/L	39	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2,2-Tetrachloroethane	ug/L	1.7	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,3-Dichlorobenzene	ug/L	320	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,4-Dichlorobenzene	ug/L	63	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichlorobenzene	ug/L	420	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2,4-Trichlorobenzene	ug/L	35	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2,3-Trichlorobenzene	ug/L	0.52	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	

Notes:
Highlight indicates exceedance
SC - Site Specific Screening Criteria
ug/L - microgram per liter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
Q - Qualifier
C - Comparison Flag

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
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~ - No comparison.

Packer Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	PS-MPW2-199			PS-MPW2-211			PS-MPW3-139			PS-MPW3-163			PS-MPW3-169			PS-MPW3-183		
		Location	MPW-2			MPW-2			MPW-3			MPW-3			MPW-3			MPW-3		
		Sample Date	6/27/2008			6/26/2008			7/1/2008			7/1/2008			7/1/2008			7/1/2008		
		Depth	194 to 204 ft			206 to 244 ft			134 to 144 ft			158 to 168 ft			164 to 174 ft			178 to 188 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/L	19	0.26	J	#	0.15	J	#	0.65		#	0.67		#	0.65		#	0.66		#
Chloromethane	ug/L	19	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Vinyl Chloride	ug/L	0.25	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromomethane	ug/L	47	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chloroethane	ug/L	2100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Trichlorofluoromethane	ug/L	110	0.12	J	#	0.5	U		0.092	J	#	0.092	J	#	0.099	J	#	0.097	J	#
1,1-Dichloroethene	ug/L	7	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	5300	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Acetone	ug/L	1200	5	U		5	U		5	U		5	U		5	U		5	U	
Carbon Disulfide	ug/L	72	0.21	J	#	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methyl Acetate	ug/L	1600	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methylene Chloride	ug/L	46	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
trans-1,2-Dichloroethene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methyl tert-Butyl Ether	ug/L	12	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1-Dichloroethane	ug/L	2.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
cis-1,2-Dichloroethene	ug/L	70	0.5	U		0.5	U		0.15	J	#	0.18	J	#	0.19	J	#	0.18	J	#
2-Butanone	ug/L	490	5	U		5	U		5	U		5	U		5	U		5	U	
Chlorobromomethane	ug/L	8.3	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chloroform	ug/L	57	20		#	23		#	4.3		#	5.2		#	5.1		#	4.9		#
1,1,1-Trichloroethane	ug/L	200	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Cyclohexane	ug/L	1300	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Carbon Tetrachloride	ug/L	2.3	0.13	J	#	0.12	J	#	0.13	J	#	0.16	J	#	0.15	J	#	0.18	J	#
Benzene	ug/L	5	0.5	U		0.5	U		0.31	J	#	0.4	J	#	0.49	J	#	0.56		#
1,2-Dichloroethane	ug/L	3.8	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Trichloroethene	ug/L	5	0.12	J	#	0.5	U		0.13	J	#	0.17	J	#	0.13	J	#	0.19	J	#
Metylcyclohexane	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichloropropane	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromodichloromethane	ug/L	5.5	1.1		#	1.6		#	0.57		#	0.69		#	0.68		#	0.7		#
cis-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
4-Methyl-2-pentanone	ug/L	100	5	U		5	U		5	U		5	U		5	U		5	U	
Toluene	ug/L	1000	7.5		#	7		#	4.6		#	7.1		#	9		#	12		#
trans-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2-Trichloroethane	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	

Packer Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	PS-MPW2-199			PS-MPW2-211			PS-MPW3-139			PS-MPW3-163			PS-MPW3-169			PS-MPW3-183		
		Location	MPW-2			MPW-2			MPW-3			MPW-3			MPW-3			MPW-3		
		Sample Date	6/27/2008			6/26/2008			7/1/2008			7/1/2008			7/1/2008			7/1/2008		
		Depth	194 to 204 ft			206 to 244 ft			134 to 144 ft			158 to 168 ft			164 to 174 ft			178 to 188 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Tetrachloroethene	ug/L	5	0.15	J	#	0.5	U		1.2		#	1.3		#	1.4		#	1.5		#
2-Hexanone	ug/L	3.4	5	U		5	U		5	U		5	U		5	U		5	U	
Dibromochloromethane	ug/L	4	0.5	U		0.14	J	#	0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dibromoethane	ug/L	0.05	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chlorobenzene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Ethylbenzene	ug/L	530	0.17	J	#	0.11	J	#	0.4	J	#	0.5	J	#	0.61		#	0.62		#
o-Xylene	ug/L	10000	0.23	J	#	0.16	J	#	0.61		#	0.8		#	0.97		#	0.96		#
m,p-Xylene	ug/L	10000	0.58		#	0.35	J	#	1.7		#	2.1		#	2.6		#	2.6		#
Styrene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromoform	ug/L	43	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Isopropylbenzene	ug/L	39	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2,2-Tetrachloroethane	ug/L	1.7	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	UJ	
1,3-Dichlorobenzene	ug/L	320	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,4-Dichlorobenzene	ug/L	63	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichlorobenzene	ug/L	420	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	UJ	
1,2,4-Trichlorobenzene	ug/L	35	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2,3-Trichlorobenzene	ug/L	0.52	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	

Notes:
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SC - Site Specific Screening Criteria
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COMPARISON FLAGS:
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B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

Packer Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	PS-MPW3-199			PS-MPW3-211			PS-MPW4-135			PS-MPW4-145			PS-MPW4-155			PS-MPW4-165		
		Location	MPW-3			MPW-3			MPW-4			MPW-4			MPW-4			MPW-4		
		Sample Date	7/1/2008			6/30/2008			7/15/2008			7/15/2008			7/15/2008			7/14/2008		
		Depth	194 to 204 ft			206 to 223 ft			130 to 140 ft			145 to 150 ft			150 to 160 ft			160 to 170 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/L	19	0.77		#	1.2		#	0.77		#	0.78		#	0.84		#	0.88		#
Chloromethane	ug/L	19	0.5	U		0.5	U		0.21	J	#	0.5	U		0.44	J	#	0.5	U	
Vinyl Chloride	ug/L	0.25	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromomethane	ug/L	47	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chloroethane	ug/L	2100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Trichlorofluoromethane	ug/L	110	0.11	J	#	0.12	J	#	0.3	J	#	0.27	J	#	0.3	J	#	0.33	J	#
1,1-Dichloroethene	ug/L	7	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	5300	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Acetone	ug/L	1200	5	U		5	U		5	U		5	U		5	U		5	U	
Carbon Disulfide	ug/L	72	0.5	U		0.5	U		0.5	U		0.15	J	#	0.5	U		0.5	U	
Methyl Acetate	ug/L	1600	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methylene Chloride	ug/L	46	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
trans-1,2-Dichloroethene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methyl tert-Butyl Ether	ug/L	12	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1-Dichloroethane	ug/L	2.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
cis-1,2-Dichloroethene	ug/L	70	0.19	J	#	0.19	J	#	0.11	J	#	0.1	J	#	0.11	J	#	0.12	J	#
2-Butanone	ug/L	490	5	U		5	U		5	U		5	U		5	U		5	U	
Chlorobromomethane	ug/L	8.3	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chloroform	ug/L	57	4.9		#	5		#	15		#	15		#	14		#	15		#
1,1,1-Trichloroethane	ug/L	200	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Cyclohexane	ug/L	1300	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Carbon Tetrachloride	ug/L	2.3	0.19	J	#	0.17	J	#	0.3	J	#	0.26	J	#	0.28	J	#	0.34	J	#
Benzene	ug/L	5	0.7		#	0.5	U		0.61		#	0.65		#	0.35	J	#	0.29	J	#
1,2-Dichloroethane	ug/L	3.8	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Trichloroethene	ug/L	5	0.24	J	#	0.11	J	#	0.16	J	#	0.12	J	#	0.11	J	#	0.11	J	#
Metylcyclohexane	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichloropropane	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromodichloromethane	ug/L	5.5	0.7		#	0.72		#	0.27	J	#	0.25	J	#	0.28	J	#	0.49	J	#
cis-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
4-Methyl-2-pentanone	ug/L	100	5	U		5	U		5	U		5	U		5	U		5	U	
Toluene	ug/L	1000	13		#	5.1		#	6.2		#	7.4		#	5.4		#	2.9		#
trans-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2-Trichloroethane	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	

Packer Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	PS-MPW3-199			PS-MPW3-211			PS-MPW4-135			PS-MPW4-145			PS-MPW4-155			PS-MPW4-165		
		Location	MPW-3			MPW-3			MPW-4			MPW-4			MPW-4			MPW-4		
		Sample Date	7/1/2008			6/30/2008			7/15/2008			7/15/2008			7/15/2008			7/14/2008		
		Depth	194 to 204 ft			206 to 223 ft			130 to 140 ft			145 to 150 ft			150 to 160 ft			160 to 170 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Tetrachloroethene	ug/L	5	1.5		#	1.6		#	1.4		#	1.3		#	1.4		#	1.5		#
2-Hexanone	ug/L	3.4	5	U		5	U		5	U		5	U		5	U		5	U	
Dibromochloromethane	ug/L	4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dibromoethane	ug/L	0.05	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chlorobenzene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Ethylbenzene	ug/L	530	0.56		#	0.15	J	#	0.68		#	0.59		#	0.35	J	#	0.28	J	#
o-Xylene	ug/L	10000	0.87		#	0.22	J	#	1		#	0.93		#	0.51		#	0.43	J	#
m,p-Xylene	ug/L	10000	2.2		#	0.58		#	2.7		#	2.5		#	1.4		#	1.2		#
Styrene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromoform	ug/L	43	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Isopropylbenzene	ug/L	39	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2,2-Tetrachloroethane	ug/L	1.7	0.5	UJ		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,3-Dichlorobenzene	ug/L	320	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,4-Dichlorobenzene	ug/L	63	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichlorobenzene	ug/L	420	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.5	UJ		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2,4-Trichlorobenzene	ug/L	35	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2,3-Trichlorobenzene	ug/L	0.52	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	

Notes:
Highlight indicates exceedance
SC - Site Specific Screening Criteria
ug/L - microgram per liter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
Q - Qualifier
C - Comparison Flag

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

Packer Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	PS-MPW4-213			PS-MPW5-131			PS-MPW5-139			PS-MPW5-149			PS-MPW5-163			PS-MPW5-190		
		Location	MPW-4			MPW-5			MPW-5			MPW-5			MPW-5			MPW-5		
		Sample Date	7/14/2008			7/11/2008			7/11/2008			7/11/2008			7/10/2008			7/10/2008		
		Depth	208 to 224 FT			126 to 136 ft			134 to 144 ft			144 to 154 ft			158 to 168 ft			185 to 195 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/L	19	0.74		#	0.19	J	#	0.27	J	#	0.28	J	#	0.29	J	#	0.25	J	#
Chloromethane	ug/L	19	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Vinyl Chloride	ug/L	0.25	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromomethane	ug/L	47	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chloroethane	ug/L	2100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Trichlorofluoromethane	ug/L	110	0.29	J	#	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1-Dichloroethene	ug/L	7	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	5300	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Acetone	ug/L	1200	5	U		5	U		5	U		5	U		5	U		5	U	
Carbon Disulfide	ug/L	72	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.13	J	#
Methyl Acetate	ug/L	1600	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methylene Chloride	ug/L	46	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
trans-1,2-Dichloroethene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methyl tert-Butyl Ether	ug/L	12	0.5	U		0.22	J	#	0.26	J	#	0.22	J	#	0.26	J	#	0.23	J	#
1,1-Dichloroethane	ug/L	2.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
cis-1,2-Dichloroethene	ug/L	70	0.12	J	#	1.5		#	1.2		#	0.88		#	0.85		#	1.4		#
2-Butanone	ug/L	490	5	U		5	U		5	U		5	U		5	U		5	U	
Chlorobromomethane	ug/L	8.3	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chloroform	ug/L	57	14		#	5.7		#	6.2		#	6.1		#	6.3		#	6.1		#
1,1,1-Trichloroethane	ug/L	200	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Cyclohexane	ug/L	1300	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Carbon Tetrachloride	ug/L	2.3	0.27	J	#	0.22	J	#	0.29	J	#	0.31	J	#	0.33	J	#	0.3	J	#
Benzene	ug/L	5	0.39	J	#	0.4	J	#	0.5	U		0.3	J	#	0.24	J	#	0.27	J	#
1,2-Dichloroethane	ug/L	3.8	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Trichloroethene	ug/L	5	0.11	J	#	0.61		#	0.53		#	0.49	J	#	0.42	J	#	0.58		#
Metylcyclohexane	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichloropropane	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromodichloromethane	ug/L	5.5	0.42	J	#	0.58		#	0.68		#	0.64		#	0.67		#	0.64		#
cis-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
4-Methyl-2-pentanone	ug/L	100	5	U		5	U		5	U		5	U		5	U		5	U	
Toluene	ug/L	1000	2.9		#	3.9		#	2.1		#	3.7		#	2.8		#	2.9		#
trans-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2-Trichloroethane	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	

Packer Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	PS-MPW4-213			PS-MPW5-131			PS-MPW5-139			PS-MPW5-149			PS-MPW5-163			PS-MPW5-190		
		Location	MPW-4			MPW-5			MPW-5			MPW-5			MPW-5			MPW-5		
		Sample Date	7/14/2008			7/11/2008			7/11/2008			7/11/2008			7/10/2008			7/10/2008		
		Depth	208 to 224 FT			126 to 136 ft			134 to 144 ft			144 to 154 ft			158 to 168 ft			185 to 195 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Tetrachloroethene	ug/L	5	1.2		#	**12**		A	**12**		A	**9.7**		A	**9.9**		A	**15**		A
2-Hexanone	ug/L	3.4	5	U		5	U		5	U		5	U		5	U		5	U	
Dibromochloromethane	ug/L	4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dibromoethane	ug/L	0.05	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chlorobenzene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Ethylbenzene	ug/L	530	0.27	J	#	0.42	J	#	0.19	J	#	0.37	J	#	0.23	J	#	0.24	J	#
o-Xylene	ug/L	10000	0.43	J	#	0.53		#	0.22	J	#	0.47	J	#	0.29	J	#	0.3	J	#
m,p-Xylene	ug/L	10000	1.1		#	1.7		#	0.76		#	1.6		#	0.85		#	0.88		#
Styrene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromoform	ug/L	43	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Isopropylbenzene	ug/L	39	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2,2-Tetrachloroethane	ug/L	1.7	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,3-Dichlorobenzene	ug/L	320	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,4-Dichlorobenzene	ug/L	63	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichlorobenzene	ug/L	420	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2,4-Trichlorobenzene	ug/L	35	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2,3-Trichlorobenzene	ug/L	0.52	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	

Notes:
Highlight indicates exceedance
SC - Site Specific Screening Criteria
ug/L - microgram per liter
U - non-detect
J - estimated value
R - rejected data
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COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

Packer Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	PS-MPW5-255			PS-MPW5-270			PS-MPW5-283			PS-MPW5-313			PS-MPW6-109			PS-MPW6-159		
		Location	MPW-5			MPW-5			MPW-5			MPW-5			MPW-6			MPW-6		
		Sample Date	7/10/2008			7/9/2008			7/9/2008			7/9/2008			7/21/2008			7/21/2008		
		Depth	250 to 260 ft			265 to 275 ft			278 to 288 ft			308 to 325 ft			104 to 114 ft			154 to 164 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/L	19	0.29	J	#	0.29	J	#	0.25	J	#	0.11	J	#	0.5	U		0.5	U	
Chloromethane	ug/L	19	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Vinyl Chloride	ug/L	0.25	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromomethane	ug/L	47	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chloroethane	ug/L	2100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Trichlorofluoromethane	ug/L	110	0.5	U		0.5	U		0.5	U		0.15	J	#	0.5	U		0.5	U	
1,1-Dichloroethene	ug/L	7	0.5	U		0.5	U		0.73		#	2.2		#	4.1		#	3.9		#
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	5300	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Acetone	ug/L	1200	5	U		5	U		5	U		5	U		5	U		5	U	
Carbon Disulfide	ug/L	72	0.18	J	#	0.28	J	#	0.21	J	#	0.5	U		0.25	J	#	0.5	U	
Methyl Acetate	ug/L	1600	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methylene Chloride	ug/L	46	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
trans-1,2-Dichloroethene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methyl tert-Butyl Ether	ug/L	12	0.23	J	#	0.25	J	#	0.23	J	#	0.5	U		0.5	U		0.5	U	
1,1-Dichloroethane	ug/L	2.4	0.5	U		0.5	U		0.5	U		0.5	U		0.43	J	#	0.42	J	#
cis-1,2-Dichloroethene	ug/L	70	1.3		#	1.4		#	3.6		#	14		#	0.5	U		0.5	U	
2-Butanone	ug/L	490	5	U		5	U		5	U		5	U		5	U		5	U	
Chlorobromomethane	ug/L	8.3	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chloroform	ug/L	57	6.1		#	6.2		#	5.8		#	3.6		#	1.4		#	2		#
1,1,1-Trichloroethane	ug/L	200	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Cyclohexane	ug/L	1300	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Carbon Tetrachloride	ug/L	2.3	0.3	J	#	0.3	J	#	0.28	J	#	0.28	J	#	0.5	U		0.5	U	
Benzene	ug/L	5	0.33	J	#	0.48	J	#	0.39	J	#	0.31	J	#	0.88		#	1.5		#
1,2-Dichloroethane	ug/L	3.8	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Trichloroethene	ug/L	5	0.6		#	0.57		#	1.3		#	3.9		#	0.5	U		0.15	J	#
Metylcyclohexane	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichloropropane	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromodichloromethane	ug/L	5.5	0.64		#	0.64		#	0.54		#	0.5	U		0.5	U		0.5	U	
cis-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
4-Methyl-2-pentanone	ug/L	100	5	U		5	U		5	U		5	U		5	U		5	U	
Toluene	ug/L	1000	4.8		#	6.5		#	6.8		#	3.7		#	10		#	9.4		#
trans-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2-Trichloroethane	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	

Packer Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	PS-MPW5-255			PS-MPW5-270			PS-MPW5-283			PS-MPW5-313			PS-MPW6-109			PS-MPW6-159		
		Location	MPW-5			MPW-5			MPW-5			MPW-5			MPW-6			MPW-6		
		Sample Date	7/10/2008			7/9/2008			7/9/2008			7/9/2008			7/21/2008			7/21/2008		
		Depth	250 to 260 ft			265 to 275 ft			278 to 288 ft			308 to 325 ft			104 to 114 ft			154 to 164 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Tetrachloroethene	ug/L	5	**14**		A	**15**		A	**31**		A	**92**		A	0.79		#	0.46	J	#
2-Hexanone	ug/L	3.4	5	U		5	U		5	U		5	U		5	U		5	U	
Dibromochloromethane	ug/L	4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dibromoethane	ug/L	0.05	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chlorobenzene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Ethylbenzene	ug/L	530	0.32	J	#	0.44	J	#	0.37	J	#	0.48	J	#	1.1		#	0.75		#
o-Xylene	ug/L	10000	0.43	J	#	0.61		#	0.53		#	0.54		#	1.3		#	0.66		#
m,p-Xylene	ug/L	10000	1.2		#	1.9		#	1.6		#	2.3		#	3.2		#	1.2		#
Styrene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromoform	ug/L	43	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Isopropylbenzene	ug/L	39	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2,2-Tetrachloroethane	ug/L	1.7	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,3-Dichlorobenzene	ug/L	320	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,4-Dichlorobenzene	ug/L	63	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichlorobenzene	ug/L	420	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2,4-Trichlorobenzene	ug/L	35	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2,3-Trichlorobenzene	ug/L	0.52	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	

Notes:
Highlight indicates exceedance
SC - Site Specific Screening Criteria
ug/L - microgram per liter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
Q - Qualifier
C - Comparison Flag

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

Packer Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	PS-MPW6-177			PS-MPW6-195			PS-MPW6-219			PS-MPW6-241			PS-MPW6-299			PS-MPW6-311		
		Location	MPW-6			MPW-6			MPW-6			MPW-6			MPW-6			MPW-6		
		Sample Date	7/18/2008			7/18/2008			7/18/2008			7/17/2008			7/17/2008			7/17/2008		
		Depth	172 to 182 ft			190 to 200 ft			214 to 224 FT			236 to 246 ft			294 to 304 ft			306 to 323 Ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/L	19	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chloromethane	ug/L	19	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Vinyl Chloride	ug/L	0.25	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromomethane	ug/L	47	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chloroethane	ug/L	2100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Trichlorofluoromethane	ug/L	110	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1-Dichloroethene	ug/L	7	**12**	J	A	**7.5**	J	A	**9.6**	J	A	**7.9**	J	A	2.9		#	1.9		#
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	5300	0.53		#	0.45	J	#	0.27	J	#	0.5	U		0.5	U		0.5	U	
Acetone	ug/L	1200	5	U		5	U		5	U		5	U		5	U		5	U	
Carbon Disulfide	ug/L	72	0.5	U		0.5	U		0.13	J	#	0.5	U		0.5	U		0.5	U	
Methyl Acetate	ug/L	1600	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methylene Chloride	ug/L	46	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
trans-1,2-Dichloroethene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methyl tert-Butyl Ether	ug/L	12	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1-Dichloroethane	ug/L	2.4	0.41	J	#	0.28	J	#	0.69		#	0.51		#	0.5	U		0.11	J	#
cis-1,2-Dichloroethene	ug/L	70	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
2-Butanone	ug/L	490	5	U		5	U		5	U		5	U		5	U		5	U	
Chlorobromomethane	ug/L	8.3	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chloroform	ug/L	57	2.8		#	1.9		#	12		#	9		#	1.3		#	1.2		#
1,1,1-Trichloroethane	ug/L	200	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Cyclohexane	ug/L	1300	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Carbon Tetrachloride	ug/L	2.3	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Benzene	ug/L	5	0.22	J	#	0.34	J	#	0.42	J	#	0.84		#	0.62		#	1		#
1,2-Dichloroethane	ug/L	3.8	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Trichloroethene	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Metylcyclohexane	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichloropropane	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromodichloromethane	ug/L	5.5	0.24	J	#	0.22	J	#	0.22	J	#	0.19	J	#	0.18	J	#	0.13	J	#
cis-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
4-Methyl-2-pentanone	ug/L	100	5	U		5	U		5	U		5	U		5	U		5	U	
Toluene	ug/L	1000	2.5		#	3.2		#	4.5		#	5.5		#	6.7		#	11		#
trans-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2-Trichloroethane	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	

Packer Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	PS-MPW6-177			PS-MPW6-195			PS-MPW6-219			PS-MPW6-241			PS-MPW6-299			PS-MPW6-311		
		Location	MPW-6			MPW-6			MPW-6			MPW-6			MPW-6			MPW-6		
		Sample Date	7/18/2008			7/18/2008			7/18/2008			7/17/2008			7/17/2008			7/17/2008		
		Depth	172 to 182 ft			190 to 200 ft			214 to 224 FT			236 to 246 ft			294 to 304 ft			306 to 323 Ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Tetrachloroethene	ug/L	5	0.13	J	#	0.12	J	#	0.36	J	#	0.14	J	#	0.25	J	#	0.19	J	#
2-Hexanone	ug/L	3.4	5	U		5	U		5	U		5	U		5	U		5	U	
Dibromochloromethane	ug/L	4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dibromoethane	ug/L	0.05	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chlorobenzene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Ethylbenzene	ug/L	530	0.39	J	#	0.43	J	#	0.57		#	0.51		#	0.62		#	0.71		#
o-Xylene	ug/L	10000	0.56		#	0.63		#	0.82		#	0.78		#	0.89		#	0.95		#
m,p-Xylene	ug/L	10000	1.6		#	1.7		#	2.4		#	2.1		#	2.5		#	2.4		#
Styrene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromoform	ug/L	43	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Isopropylbenzene	ug/L	39	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2,2-Tetrachloroethane	ug/L	1.7	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,3-Dichlorobenzene	ug/L	320	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,4-Dichlorobenzene	ug/L	63	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichlorobenzene	ug/L	420	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2,4-Trichlorobenzene	ug/L	35	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2,3-Trichlorobenzene	ug/L	0.52	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	

Notes:
Highlight indicates exceedance
SC - Site Specific Screening Criteria
ug/L - microgram per liter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable

Q - Qualifier
C - Comparison Flag

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

Groundwater Sample Results Full Table - Stage 1
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-1-P1-S1			MPW-1-P2-S1			MPW-1-P3-S1			MPW-1-P4-S1			MPW-1-P5-S1			MPW-1-P6-S1		
		Location	MPW-1			MPW-1			MPW-1			MPW-1			MPW-1			MPW-1		
		Sample Date	1/13/2009			1/13/2009			1/13/2009			1/13/2009			1/13/2009			1/13/2009		
		Depth	121 to 129 ft			132 to 144 ft			148 to 160 ft			228 to 237 ft			241 to 253 ft			276 to 286 ft		
Chemical Name	Unit	SC	Result	Q	C				Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
1,1,1-Trichloroethane	ug/L	200	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2,2-Tetrachloroethane	ug/L	1.7	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2-Trichloro-1,2,2-trifluoroethan	ug/L	5300	0.5	U		0.35	J	#	0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2-Trichloroethane	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1-Dichloroethane	ug/L	2.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1-Dichloroethene	ug/L	7	0.37	J	#	0.32	J	#	0.19	J	#	0.5	U		0.5	U		0.5	U	
1,2,3-Trichlorobenzene	ug/L	0.52	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2,4-Trichlorobenzene	ug/L	35	0.5	U		0.21	J	#	0.11	J	#	0.5	U		0.5	U		0.5	U	
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U	
1,2-Dibromoethane	ug/L	0.05	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U	
1,2-Dichlorobenzene	ug/L	420	0.5	U		0.14	J	#	0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichloroethane	ug/L	3.8	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichloropropane	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,3-Dichlorobenzene	ug/L	320	0.5	U		0.17	J	#	0.5	U		0.5	U		0.5	U		0.5	U	
1,4-Dichlorobenzene	ug/L	63	0.5	U		0.22	J	#	0.11	J	#	0.5	U		0.5	U		0.5	U	
2-Butanone	ug/L	490	5	U		5	U		1.5	J	#	5	U		5	U		5.5		#
2-Hexanone	ug/L	3.4	5	U		5	U		5	U		5	U		5	U		5	U	
4-Methyl-2-pentanone	ug/L	100	5	U		5	U		5	U		5	U		5	U		5	U	
Acetone	ug/L	1200	5	U		5	U		4.6	J	#	5	U		5	U		19		#
Benzene	ug/L	5	0.5	U		0.5	U		0.34	J	#	0.5	U		0.5	U		0.23	J	#
Bromodichloromethane	ug/L	5.5	0.4	J	#	0.48	J	#	0.29	J	#	0.47	J	#	0.54		#	0.5	U	
Bromoform	ug/L	43	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromomethane	ug/L	47	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	UJ	
Carbon Disulfide	ug/L	72	0.5	U		0.13	J	#	0.1	J	#	0.5	U		0.5	U		0.5	UJ	
Carbon Tetrachloride	ug/L	2.3	0.35	J	#	0.67		#	0.42	J	#	1		#	1		#	0.11	J	#
Chlorobenzene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chlorobromomethane	ug/L	8.3	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chloroethane	ug/L	2100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	UJ	
Chloroform	ug/L	57	4		#	5.2		#	5.1		#	7.1		#	7.1		#	3.1		#
Chloromethane	ug/L	19	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	UJ	
cis-1,2-Dichloroethene	ug/L	70	0.59		#	0.27	J	#	0.5	U		0.5	U		0.5	U		0.5	U	
cis-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Cyclohexane	ug/L	1300	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	

Groundwater Sample Results Full Table - Stage 1
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Cidra, Puerto Rico

		Sample Code	MPW-1-P1-S1			MPW-1-P2-S1			MPW-1-P3-S1			MPW-1-P4-S1			MPW-1-P5-S1			MPW-1-P6-S1		
		Location	MPW-1			MPW-1			MPW-1			MPW-1			MPW-1			MPW-1		
		Sample Date	1/13/2009			1/13/2009			1/13/2009			1/13/2009			1/13/2009			1/13/2009		
		Depth	121 to 129 ft			132 to 144 ft			148 to 160 ft			228 to 237 ft			241 to 253 ft			276 to 286 ft		
Chemical Name	Unit	SC	Result	Q	C				Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Dibromochloromethane	ug/L	4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Dichlorodifluoromethane	ug/L	19	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	UJ	
Ethylbenzene	ug/L	530	0.5	U		0.1	J	#	0.5	U		0.5	U		0.5	U		0.5	U	
Isopropylbenzene	ug/L	39	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
m,p-Xylene	ug/L	10000	0.5	U		0.11	J	#	0.5	U		0.5	U		0.5	U		0.5	U	
Methyl Acetate	ug/L	1600	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methyl tert-Butyl Ether	ug/L	12	0.5	U		0.16	J	#	0.11	J	#	0.12	J	#	0.12	J	#	0.5	U	
Methylene Chloride	ug/L	46	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Metylcyclohexane	ug/L	N/A	0.5	U		0.15	J	~	0.5	U		0.5	U		0.5	U		0.5	U	
o-Xylene	ug/L	10000	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Styrene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Tetrachloroethene	ug/L	5	**14**		A	4.4		#	0.67		#	0.5	U		0.11	J	#	0.5	U	
Toluene	ug/L	1000	0.28	J	#	0.18	J	#	7.8		#	0.44	J	#	0.24	J	#	58		#
trans-1,2-Dichloroethene	ug/L	100	0.5	U		0.11	J	#	0.5	U		0.5	U		0.5	U		0.5	U	
trans-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Trichloroethene	ug/L	5	0.53		#	0.25	J	#	0.5	U		0.5	U		0.5	U		0.5	U	
Trichlorofluoromethane	ug/L	110	0.5	U		0.21	J	#	0.14	J	#	0.5	U		0.5	U		0.5	U	
Vinyl Chloride	ug/L	0.25	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
DESA 2009 Wet Chemistry Analysis																				
Nitrate	mg/L	N/A	8	J	~				6.1	J	~							8.9	J	~
Nitrite	mg/L	N/A	0.07	J	~				0.17	J	~							0.23	J	~
Hardness As CaCO3	mg/L	N/A	250	J	~				270	J	~							280	J	~
Methane	ug/L	N/A	2	U					2	U								2	U	
Ethene	ug/L	N/A	2	U					2	U								2	U	
Ethane	ug/L	N/A	2	U					2	U								2	U	
Nitrogen, Ammonia	mg/L	N/A	0.05	U					0.05	U								0.05	U	
Total Organic Carbon	mg/L	N/A	1	U					2		~							6		~
Total Suspended Solids	mg/L	N/A	10	U					10	U								10	U	
Sulfide	mg/L	N/A	0.01	UL					0.015		~							0.01	U	
Alkalinity, Total (as CaCO3)	mg/L	N/A	190		~				220		~							210		~
Chloride	mg/L	N/A	49		~				60		~							67		~
Sulfate	mg/L	N/A	8.4		~				9.5		~							11		~
Total Dissolved Solids	mg/L	N/A	380		~				390		~							410		~

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		Sample Code	MPW-1-P1-S1			MPW-1-P2-S1			MPW-1-P3-S1			MPW-1-P4-S1			MPW-1-P5-S1			MPW-1-P6-S1		
		Location	MPW-1			MPW-1			MPW-1			MPW-1			MPW-1			MPW-1		
		Sample Date	1/13/2009			1/13/2009			1/13/2009			1/13/2009			1/13/2009			1/13/2009		
		Depth	121 to 129 ft			132 to 144 ft			148 to 160 ft			228 to 237 ft			241 to 253 ft			276 to 286 ft		
Chemical Name	Unit	SC	Result	Q	C				Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Nitrogen, Total Kjeldahl	mg/L	N/A	0.21		~				0.55		~							0.7		~
PCBs																				
Aroclor-1016	ug/L	0.00064	1.1	U		1	U		1.1	U		1	U		1	U		1.1	U	
Aroclor-1221	ug/L	0.00064	1.1	U		1	U		1.1	U		1	U		1	U		1.1	U	
Aroclor-1232	ug/L	0.00064	1.1	U		1	U		1.1	U		1	U		1	U		1.1	U	
Aroclor-1242	ug/L	0.00064	1.1	U		1	U		1.1	U		1	U		1	U		1.1	U	
Aroclor-1248	ug/L	0.00064	1.1	U		1	U		1.1	U		1	U		1	U		1.1	U	
Aroclor-1254	ug/L	0.00064	1.1	U		1	U		1.1	U		1	U		1	U		1.1	U	
Aroclor-1260	ug/L	0.00064	1.1	U		1	U		1.1	U		1	U		1	U		1.1	U	
Aroclor-1262	ug/L	0.00064	1.1	U		1	U		1.1	U		1	U		1	U		1.1	U	
Aroclor-1268	ug/L	0.00064	1.1	U		1	U		1.1	U		1	U		1	U		1.1	U	
Pesticides																				
alpha-BHC	ug/L	0.03	0.01	U		0.01	U		0.01	U		0.01	U		0.011	U		0.011	U	
beta-BHC	ug/L	0.09	0.01	U		0.01	U		0.0082	J	#	0.01	U		0.011	U		0.027		#
delta-BHC	ug/L	N/A	0.01	U		0.01	U		0.01	U		0.042	NJ	~	0.011	U		0.011	U	
gamma-BHC (Lindane)	ug/L	0.2	0.01	U		0.01	U		0.01	U		0.01	U		0.011	U		0.011	U	
Heptachlor	ug/L	0.00079	0.01	U		0.01	U		0.01	U		0.01	U		0.011	U		0.011	U	
Aldrin	ug/L	0.00049	0.01	U		0.01	U		0.01	U		0.01	U		0.011	U		0.011	U	
Heptachlor epoxide	ug/L	0.2	0.01	U		0.01	U		0.01	U		0.01	U		0.011	U		0.0031	J	#
Endosulfan I	ug/L	62	0.01	U		0.01	U		0.01	U		0.01	U		0.011	U		0.011	U	
Dieldrin	ug/L	0.00052	0.02	U		0.02	U		0.02	U		0.02	U		0.022	U		0.022	U	
4,4'-DDE	ug/L	0.0022	0.02	U		0.02	U		0.02	U		0.02	U		0.022	U		0.022	U	
Endrin	ug/L	0.06	0.02	U		0.02	U		0.02	U		0.02	U		0.022	U		0.022	U	
Endosulfan II	ug/L	62	0.02	U		0.02	U		0.02	U		0.02	U		0.022	U		0.022	U	
4,4'-DDD	ug/L	0.0022	0.02	U		0.02	U		0.02	U		0.02	U		0.022	U		0.022	U	
Endosulfan sulfate	ug/L	62	0.02	U		0.02	U		0.02	U		0.02	U		0.022	U		0.022	U	
4,4'-DDT	ug/L	0.0022	0.02	U		0.02	U		0.02	U		0.02	U		0.022	U		0.022	U	
Methoxychlor	ug/L	40	0.1	U		0.1	U		0.1	U		0.1	U		0.11	U		0.11	U	
Endrin ketone	ug/L	0.06	0.02	U		0.02	U		0.02	U		0.02	U		0.022	U		0.022	U	
Endrin aldehyde	ug/L	0.29	0.02	U		0.02	U		0.02	U		0.02	U		0.022	U		0.022	U	
alpha-Chlordane	ug/L	0.01	0.01	U		0.01	U		0.01	U		0.01	U		0.011	U		0.011	U	
gamma-Chlordane	ug/L	0.01	0.01	U		0.01	U		0.01	U		0.01	U		0.011	U		0.011	U	

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		Sample Code	MPW-1-P1-S1			MPW-1-P2-S1			MPW-1-P3-S1			MPW-1-P4-S1			MPW-1-P5-S1			MPW-1-P6-S1		
		Location	MPW-1			MPW-1			MPW-1			MPW-1			MPW-1			MPW-1		
		Sample Date	1/13/2009			1/13/2009			1/13/2009			1/13/2009			1/13/2009			1/13/2009		
		Depth	121 to 129 ft			132 to 144 ft			148 to 160 ft			228 to 237 ft			241 to 253 ft			276 to 286 ft		
Chemical Name	Unit	SC	Result	Q	C				Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Toxaphene	ug/L	0.0028	1	U		1	U		1	U		1	U		1.1	U		1.1	U	
Semi-Volatile Organic Compounds																				
1,1'-Biphenyl	ug/L	0.08	5.4	U		5	U		5	U		5	U		5	U		5	U	
1,2,4,5-Tetrachlorobenzene	ug/L	0.12	5.4	U		5	U		5	U		5	U		5	U		5	U	
2,2'-oxybis(1-Chloropropane)	ug/L	1400	5.4	U		5	U		5	U		5	U		5	U		5	U	
2,4,5-Trichlorophenol	ug/L	89	5.4	U		5	U		5	U		5	U		5	U		5	U	
2,4,6-Trichlorophenol	ug/L	14	5.4	U		5	U		5	U		5	U		5	U		5	U	
2,4-Dichlorophenol	ug/L	77	5.4	U		5	U		5	U		5	U		5	U		5	U	
2,4-Dimethylphenol	ug/L	380	5.4	U		5	U		5	U		5	U		5	U		5	U	
2,4-Dinitrophenol	ug/L	69	11	U		10	U		10	U		10	U		10	U		10	U	
2,4-Dinitrotoluene	ug/L	1.1	5.4	U		5	U		5	U		5	U		5	U		5	U	
2,6-Dinitrotoluene	ug/L	1.5	5.4	U		5	U		5	U		5	U		5	U		5	U	
2-Chloronaphthalene	ug/L	1000	5.4	U		5	U		5	U		5	U		5	U		5	U	
2-Chlorophenol	ug/L	81	5.4	U		5	U		5	U		5	U		5	U		5	U	
2-Methylnaphthalene	ug/L	2.7	0.11	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
2-Methylphenol	ug/L	72	5.4	U		5	U		5	U		5	U		5	U		5	U	
2-Nitroaniline	ug/L	15	11	U		10	U		10	U		10	U		10	U		10	U	
2-Nitrophenol	ug/L	N/A	5.4	U		5	U		5	U		5	U		5	U		5	U	
3,3'-Dichlorobenzidine	ug/L	0.21	5.4	U		5	UJ		5	UJ		5	U		5	U		5	UJ	
3-Nitroaniline	ug/L	N/A	11	U		10	U		10	U		10	U		10	U		10	U	
4,6-Dinitro-2-methylphenol	ug/L	13	11	U		10	U		10	U		10	U		10	U		10	U	
4-Bromophenyl-phenylether	ug/L	N/A	5.4	U		5	U		5	U		5	U		5	U		5	U	
4-Chloro-3-methylphenol	ug/L	110	5.4	U		5	U		5	U		5	U		5	U		5	U	
4-Chloroaniline	ug/L	0.32	5.4	U		5	UJ		5	UJ		5	U		5	U		5	UJ	
4-Chlorophenyl-phenylether	ug/L	N/A	5.4	U		5	U		5	U		5	U		5	U		5	U	
4-Methylphenol	ug/L	140	5.4	U		5	U		5	U		5	U		5	U		5	U	
4-Nitroaniline	ug/L	3.3	11	U		10	U		10	U		10	U		10	U		10	U	
4-Nitrophenol	ug/L	N/A	11	U		10	U		10	U		10	U		10	U		10	U	
Acenaphthene	ug/L	670	0.11	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
Acenaphthylene	ug/L	N/A	0.11	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
Acetophenone	ug/L	150	5.4	U		5	U		5	U		5	U		5	U		5	U	
Anthracene	ug/L	8300	0.11	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
Atrazine	ug/l	3	3.2	U		3	U		3	U		3	U		3	U		3	U	

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		Sample Code	MPW-1-P1-S1			MPW-1-P2-S1			MPW-1-P3-S1			MPW-1-P4-S1			MPW-1-P5-S1			MPW-1-P6-S1		
		Location	MPW-1			MPW-1			MPW-1			MPW-1			MPW-1			MPW-1		
		Sample Date	1/13/2009			1/13/2009			1/13/2009			1/13/2009			1/13/2009			1/13/2009		
		Depth	121 to 129 ft			132 to 144 ft			148 to 160 ft			228 to 237 ft			241 to 253 ft			276 to 286 ft		
Chemical Name	Unit	SC	Result	Q	C				Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/L	150	5.4	U		5	U		5	U		5	U		5	U		5	U	
Benzo(a)anthracene	ug/L	0.04	0.11	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
Benzo(a)pyrene	ug/L	0.04	0.11	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
Benzo(b)fluoranthene	ug/L	0.04	0.11	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
Benzo(g,h,i)perylene	ug/L	N/A	0.11	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
Benzo(k)fluoranthene	ug/L	0.04	0.11	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
bis(2-Chloroethoxy)methane	ug/L	4.7	5.4	U		5	U		5	U		5	U		5	U		5	U	
bis(2-Chloroethyl) ether	ug/L	0.3	5.4	U		5	U		5	U		5	U		5	U		5	U	
bis(2-Ethylhexyl) phthalate	ug/L	12	5.4	U		5	U		5	U		5	U		5	U		5	U	
Butylbenzylphthalate	ug/L	1500	5.4	U		5	U		5	U		5	U		5	U		5	U	
Caprolactam	ug/L	770	5.4	U		5	U		17		#	5	U		5	U		67		#
Carbazole	ug/L	N/A	5.4	U		5	U		5	U		5	U		5	U		5	U	
Chlorophenols	ug/L	17	5.4	U		5	U		5	U		5	U		5	U		5	U	
Chrysene	ug/L	0.04	0.11	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
Dibenz(a,h)anthracene	ug/L	0.04	0.11	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
Dibenzofuran	ug/L	0.58	5.4	U		5	U		5	U		5	U		5	U		5	U	
Diethylphthalate	ug/L	17000	5.4	U		5	U		5	U		5	U		5	U		5	U	
Dimethylphthalate	ug/L	270000	5.4	U		5	U		5	U		5	U		5	U		5	U	
Di-n-butylphthalate	ug/L	2000	5.4	U		5	U		5	U		5	U		5	U		5	U	
Di-n-octylphthalate	ug/L	N/A	5.4	U		5	U		5	U		5	U		5	U		5	U	
Fluoranthene	ug/L	130	0.11	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
Fluorene	ug/L	1100	0.11	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
Hexachlorobenzene	ug/l	0.0028	1.1	U		1	U		1	U		1	U		1	U		1	U	
Hexachlorobutadiene	ug/L	4.4	5.4	U		5	U		5	U		5	U		5	U		5	U	
Hexachlorocyclopentadiene	ug/L	40	5.4	U		5	UJ		5	UJ		5	U		5	U		5	UJ	
Hexachloroethane	ug/L	14	5.4	U		5	U		5	U		5	U		5	U		5	U	
Indeno(1,2,3-cd)pyrene	ug/L	0.04	0.11	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
Isophorone	ug/L	350	5.4	U		5	U		9.5		#	5	U		5	U		17		#
Naphthalene	ug/L	0.14	0.11	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
Nitrobenzene	ug/L	17	5.4	U		5	U		5	U		5	U		5	U		5	U	
n-Nitroso-di-n-propylamine	ug/L	0.05	5.4	U		5	U		5	U		5	U		5	U		5	U	
n-Nitrosodiphenylamine	ug/L	33	5.4	U		5	U		5	U		5	U		5	U		5	U	
Pentachlorophenol	ug/L	1	0.22	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Phenanthrene	ug/L	N/A	0.11	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	

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		Sample Code	MPW-1-P1-S1			MPW-1-P2-S1			MPW-1-P3-S1			MPW-1-P4-S1			MPW-1-P5-S1			MPW-1-P6-S1		
		Location	MPW-1			MPW-1			MPW-1			MPW-1			MPW-1			MPW-1		
		Sample Date	1/13/2009			1/13/2009			1/13/2009			1/13/2009			1/13/2009			1/13/2009		
		Depth	121 to 129 ft			132 to 144 ft			148 to 160 ft			228 to 237 ft			241 to 253 ft			276 to 286 ft		
Chemical Name	Unit	SC	Result	Q	C				Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Phenol	ug/L	21000	5.4	U		5	U		5	U		5	U		5	U		5	U	
Pyrene	ug/L	830	0.11	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
Inorganic Analytes																				
Aluminum	ug/L	1600	200	U		200	U		200	U		200	U		200	U		200	U	
Antimony	ug/L	5.6	2	U		2	U		2	U		2	U		2	U		2	U	
Arsenic	ug/L	10	4.5		#	2.5		#	**90.7**		A	**11.6**		A	3.3		#	**266**		A
Barium	ug/L	2000	3.5	J	#	11.4	J	#	8.2	J	#	200	U		200	U		0.78	J	#
Beryllium	ug/L	4	1	U		1	U		1	U		1	U		1	U		1	U	
Cadmium	ug/L	5	1	U		1	U		1	U		1	U		1	U		1	U	
Calcium	ug/L	N/A	58300		~	49700		~	65000		~	69800		~	70300		~	71500		~
Chromium	ug/L	100	10	U		10	U		10	U		10	U		10	U		10	U	
Cobalt	ug/L	0.47	50	U		50	U		50	U		50	U		50	U		50	U	
Copper	ug/L	1300	25	U		25	U		25	U		25	U		25	U		25	U	
Iron	ug/L	1100	100	U		100	U		100	U		100	U		100	U		100	U	
Lead	ug/L	15	10	U		10	U		10	U		10	U		10	U		10	U	
Magnesium	ug/L	N/A	25800		~	24800		~	27600		~	28900		~	28700		~	26600		~
Manganese	ug/L	32	12.1	J	#	10.4	J	#	**1380**		A	0.68	J	#	1.3	J	#	**42.6**		A
Mercury	ug/L	0.05	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Nickel	ug/L	610	40	U		40	U		40	U		40	U		40	U		40	U	
Potassium	ug/L	N/A	1300	J	~	1510	J	~	1250	J	~	1300	J	~	1310	J	~	940	J	~
Selenium	ug/L	50	0.81	J	#	0.81	J	#	0.88	J	#	1	J	#	1.1	J	#	1.1	J	#
Silver	ug/L	7.1	10	U		10	U		10	U		10	U		10	U		10	U	
Sodium	ug/L	N/A	23000		~	22600		~	24500		~	24400		~	24200		~	25600		~
Thallium	ug/L	0.24	1	U		1	U		1	U		1	U		1	U		1	U	
Vanadium	ug/L	7.8	**23.8**	J	A	**24.9**	J	A	**16.9**	J	A	**21.8**	J	A	**22**	J	A	**12.4**	J	A
Zinc	ug/L	470	60	U		60	U		60	U		60	U		60	U		60	U	
Cyanide	ug/L	200	10	U		10	U		10	U		10	U		10	U		10	U	

Groundwater Sample Results Full Table - Stage 1
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-1-P1-S1						MPW-1-P3-S1			MPW-1-P4-S1			MPW-1-P5-S1			MPW-1-P6-S1		
		Location	MPW-1			MPW-1			MPW-1			MPW-1			MPW-1			MPW-1		
		Sample Date	1/13/2009			1/13/2009			1/13/2009			1/13/2009			1/13/2009			1/13/2009		
		Depth	121 to 129 ft			132 to 144 ft			148 to 160 ft			228 to 237 ft			241 to 253 ft			276 to 286 ft		
Chemical Name	Unit	SC	Result	Q	C				Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criter

ug/L - microgram per liter

mg/L - milligram per liter

U - non-detect

J - estimated value

R - rejected data

PCB - Polychlorinated Biphenyl

N/A - not applicable

Q - Qualifier

C - Comparison Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

R2-0008669

Groundwater Sample Results Full Table - Stage 1
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-2-P1-S1			MPW-2-P2-S1			MPW-2-P3-S1			MPW-2-P4-S1			MPW-3-P1-S1			MPW-3-P2-S1		
		Location	MPW-2			MPW-2			MPW-2			MPW-2			MPW-3			MPW-3		
		Sample Date	1/16/2009			1/16/2009			1/16/2009			1/16/2009			1/19/2009			1/16/2009		
		Depth	144 to 154 ft			165 to 175 ft			178 to 188 ft			214 to 222 ft			131 to 146 ft			150 to 162 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
1,1,1-Trichloroethane	ug/L	200	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2,2-Tetrachloroethane	ug/L	1.7	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2-Trichloro-1,2,2-trifluoroethan	ug/L	5300	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.19	J	#
1,1,2-Trichloroethane	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1-Dichloroethane	ug/L	2.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1-Dichloroethene	ug/L	7	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2,3-Trichlorobenzene	ug/L	0.52	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2,4-Trichlorobenzene	ug/L	35	0.5	U		0.5	U		0.5	U		0.5	UJ		0.5	U		0.5	UJ	
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U	
1,2-Dibromoethane	ug/L	0.05	0.05	UJ		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U	
1,2-Dichlorobenzene	ug/L	420	0.5	U		0.5	U		0.5	U		0.13	J	#	0.5	U		0.5	U	
1,2-Dichloroethane	ug/L	3.8	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichloropropane	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,3-Dichlorobenzene	ug/L	320	0.5	U		0.5	U		0.5	U		0.15	J	#	0.12	J	#	0.5	U	
1,4-Dichlorobenzene	ug/L	63	0.5	U		0.5	U		0.5	U		0.5	U		0.15	J	#	0.5	U	
2-Butanone	ug/L	490	5	U		5	U		5	U		5	U		5	U		5	U	
2-Hexanone	ug/L	3.4	5	U		5	U		5	U		5	U		5	U		5	U	
4-Methyl-2-pentanone	ug/L	100	5	U		5	U		5	U		5	U		5	U		5	U	
Acetone	ug/L	1200	5	U		5	U		5	U		5	U		5	U		5	U	
Benzene	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromodichloromethane	ug/L	5.5	1.1		#	1.7		#	1		#	1.3		#	0.8		#	0.77		#
Bromoform	ug/L	43	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromomethane	ug/L	47	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Carbon Disulfide	ug/L	72	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Carbon Tetrachloride	ug/L	2.3	0.19	J	#	0.45	J	#	0.25	J	#	0.15	J	#	0.21	J	#	0.23	J	#
Chlorobenzene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chlorobromomethane	ug/L	8.3	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chloroethane	ug/L	2100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chloroform	ug/L	57	20	J	#	18	J	#	12	J	#	7.2		#	5		#	4.8		#
Chloromethane	ug/L	19	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
cis-1,2-Dichloroethene	ug/L	70	0.5	U		0.5	U		0.5	U		0.5	U		0.17	J	#	0.17	J	#
cis-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Cyclohexane	ug/L	1300	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	

Groundwater Sample Results Full Table - Stage 1
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-2-P1-S1			MPW-2-P2-S1			MPW-2-P3-S1			MPW-2-P4-S1			MPW-3-P1-S1			MPW-3-P2-S1		
		Location	MPW-2			MPW-2			MPW-2			MPW-2			MPW-3			MPW-3		
		Sample Date	1/16/2009			1/16/2009			1/16/2009			1/16/2009			1/19/2009			1/16/2009		
		Depth	144 to 154 ft			165 to 175 ft			178 to 188 ft			214 to 222 ft			131 to 146 ft			150 to 162 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Dibromochloromethane	ug/L	4	0.5	U		0.17	J	#	0.5	U		0.2	J	#	0.11	J	#	0.11	J	#
Dichlorodifluoromethane	ug/L	19	0.5	U		0.5	U		0.55		#	0.74		#	0.57		#	0.62		#
Ethylbenzene	ug/L	530	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Isopropylbenzene	ug/L	39	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
m,p-Xylene	ug/L	10000	0.5	U		0.5	U		0.5	U		0.5	U		0.11	J	#	0.5	U	
Methyl Acetate	ug/L	1600	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methyl tert-Butyl Ether	ug/L	12	0.5	U		0.14	J	#	0.5	U		0.5	U		0.15	J	#	0.17	J	#
Methylene Chloride	ug/L	46	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Metylcyclohexane	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
o-Xylene	ug/L	10000	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Styrene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Tetrachloroethene	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	UJ		1.7		#	1.9	J	#
Toluene	ug/L	1000	0.5	U		0.5	U		0.18	J	#	0.5	U		0.14	J	#	0.5	U	
trans-1,2-Dichloroethene	ug/L	100	0.5	U		0.5	U		0.5	U		0.1	J	#	0.5	U		0.5	U	
trans-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Trichloroethene	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.16	J	#	0.5	U	
Trichlorofluoromethane	ug/L	110	0.23	J	#	0.29	J	#	0.18	J	#	0.18	J	#	0.21	J	#	0.19	J	#
Vinyl Chloride	ug/L	0.25	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
DESA 2009 Wet Chemistry Analysis																				
Nitrate	mg/L	N/A	5.6	J	~							7.7	J	~	10		~			
Nitrite	mg/L	N/A	0.23	J	~							0.05	UJ		0.05	U				
Hardness As CaCO3	mg/L	N/A	210	J	~							180	J	~	260	J	~			
Methane	ug/L	N/A	35		~							2	U		2	U				
Ethene	ug/L	N/A	2	U								2	U		2	U				
Ethane	ug/L	N/A	2	U								2	U		2	U				
Nitrogen, Ammonia	mg/L	N/A	0.05	U								0.05	U		0.05	U				
Total Organic Carbon	mg/L	N/A	1	U								1	U		1	U				
Total Suspended Solids	mg/L	N/A	10	U								10	U		10	U				
Sulfide	mg/L	N/A	0.01	UL								0.01	U		0.01	U				
Alkalinity, Total (as CaCO3)	mg/L	N/A	160		~							140		~	190		~			
Chloride	mg/L	N/A	52		~							50		~	58		~			
Sulfate	mg/L	N/A	14		~							3.7		~	8.6		~			
Total Dissolved Solids	mg/L	N/A	330		~							310		~	390		~			

Groundwater Sample Results Full Table - Stage 1
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-2-P1-S1			MPW-2-P2-S1			MPW-2-P3-S1			MPW-2-P4-S1			MPW-3-P1-S1			MPW-3-P2-S1		
		Location	MPW-2			MPW-2			MPW-2			MPW-2			MPW-3			MPW-3		
		Sample Date	1/16/2009			1/16/2009			1/16/2009			1/16/2009			1/19/2009			1/16/2009		
		Depth	144 to 154 ft			165 to 175 ft			178 to 188 ft			214 to 222 ft			131 to 146 ft			150 to 162 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Nitrogen, Total Kjeldahl	mg/L	N/A	0.25		~							0.1	U		0.11		~			
PCBs																				
Aroclor-1016	ug/L	0.00064	1.1	U		1.1	U		1.1	U		1	U		**3.4**		A	1	U	
Aroclor-1221	ug/L	0.00064	1.1	U		1.1	U		1.1	U		1	U		1	U		1	U	
Aroclor-1232	ug/L	0.00064	1.1	U		1.1	U		1.1	U		1	U		1	U		1	U	
Aroclor-1242	ug/L	0.00064	1.1	U		1.1	U		1.1	U		1	U		1	U		1	U	
Aroclor-1248	ug/L	0.00064	1.1	U		1.1	U		1.1	U		1	U		1	U		1	U	
Aroclor-1254	ug/L	0.00064	1.1	U		1.1	U		1.1	U		1	U		1	U		1	U	
Aroclor-1260	ug/L	0.00064	1.1	U		1.1	U		1.1	U		1	U		**3.4**		A	1	U	
Aroclor-1262	ug/L	0.00064	1.1	U		1.1	U		1.1	U		1	U		1	U		1	U	
Aroclor-1268	ug/L	0.00064	1.1	U		1.1	U		1.1	U		1	U		1	U		1	U	
Pesticides																				
alpha-BHC	ug/L	0.03	0.011	U		0.011	U		0.011	U		0.011	U		0.01	U		0.011	U	
beta-BHC	ug/L	0.09	0.011	U		0.011	U		0.011	U		0.011	U		0.01	U		0.011	U	
delta-BHC	ug/L	N/A	0.011	U		0.011	U		0.011	U		0.0037	J	~	0.01	U		0.011	U	
gamma-BHC (Lindane)	ug/L	0.2	0.011	U		0.011	U		0.011	U		0.011	U		0.01	U		0.011	U	
Heptachlor	ug/L	0.00079	0.011	U		0.011	U		0.011	U		0.011	U		0.01	U		0.011	U	
Aldrin	ug/L	0.00049	0.011	U		0.011	U		0.011	U		0.011	U		0.01	U		0.011	U	
Heptachlor epoxide	ug/L	0.2	0.011	U		0.011	U		0.011	U		0.011	U		0.01	U		0.011	U	
Endosulfan I	ug/L	62	0.011	U		0.011	U		0.011	U		0.011	U		0.01	U		0.011	U	
Dieldrin	ug/L	0.00052	0.022	U		0.022	U		0.022	U		0.022	U		0.02	U		0.021	U	
4,4'-DDE	ug/L	0.0022	0.022	U		0.022	U		0.022	U		0.022	U		0.02	U		0.021	U	
Endrin	ug/L	0.06	0.022	U		0.022	U		0.022	U		0.022	U		0.02	U		0.021	U	
Endosulfan II	ug/L	62	0.022	U		0.022	U		0.022	U		0.022	U		0.02	U		0.021	U	
4,4'-DDD	ug/L	0.0022	0.022	U		0.022	U		0.022	U		0.022	U		0.02	U		0.021	U	
Endosulfan sulfate	ug/L	62	0.022	U		0.022	U		0.022	U		0.022	U		0.02	U		0.021	U	
4,4'-DDT	ug/L	0.0022	0.022	U		0.022	U		0.022	U		0.022	U		0.02	U		0.021	U	
Methoxychlor	ug/L	40	0.11	U		0.11	U		0.11	U		0.11	U		0.1	U		0.11	U	
Endrin ketone	ug/L	0.06	0.022	U		0.022	U		0.022	U		0.022	U		0.02	U		0.021	U	
Endrin aldehyde	ug/L	0.29	0.022	U		0.022	U		0.022	U		0.022	U		0.02	U		0.021	U	
alpha-Chlordane	ug/L	0.01	0.011	U		0.011	U		0.011	U		0.011	U		0.01	U		0.011	U	
gamma-Chlordane	ug/L	0.01	0.011	U		0.011	U		0.011	U		0.011	U		0.01	U		0.011	U	

Groundwater Sample Results Full Table - Stage 1
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-2-P1-S1			MPW-2-P2-S1			MPW-2-P3-S1			MPW-2-P4-S1			MPW-3-P1-S1			MPW-3-P2-S1		
		Location	MPW-2			MPW-2			MPW-2			MPW-2			MPW-3			MPW-3		
		Sample Date	1/16/2009			1/16/2009			1/16/2009			1/16/2009			1/19/2009			1/16/2009		
		Depth	144 to 154 ft			165 to 175 ft			178 to 188 ft			214 to 222 ft			131 to 146 ft			150 to 162 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Toxaphene	ug/L	0.0028	1.1	U		1.1	U		1.1	U		1.1	U		1	U		1.1	U	
Semi-Volatile Organic Compounds																				
1,1'-Biphenyl	ug/L	0.08	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
1,2,4,5-Tetrachlorobenzene	ug/L	0.12	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
2,2'-oxybis(1-Chloropropane)	ug/L	1400	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
2,4,5-Trichlorophenol	ug/L	89	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
2,4,6-Trichlorophenol	ug/L	14	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
2,4-Dichlorophenol	ug/L	77	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
2,4-Dimethylphenol	ug/L	380	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
2,4-Dinitrophenol	ug/L	69	11	U		10	UJ		11	U		10	UJ		10	U		11	UJ	
2,4-Dinitrotoluene	ug/L	1.1	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
2,6-Dinitrotoluene	ug/L	1.5	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
2-Chloronaphthalene	ug/L	1000	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
2-Chlorophenol	ug/L	81	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
2-Methylnaphthalene	ug/L	2.7	0.11	U		0.1	U		0.11	U		0.1	U		0.1	U		0.11	U	
2-Methylphenol	ug/L	72	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
2-Nitroaniline	ug/L	15	11	U		10	UJ		11	U		10	UJ		10	U		11	UJ	
2-Nitrophenol	ug/L	N/A	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
3,3'-Dichlorobenzidine	ug/L	0.21	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
3-Nitroaniline	ug/L	N/A	11	U		10	UJ		11	U		10	UJ		10	U		11	UJ	
4,6-Dinitro-2-methylphenol	ug/L	13	11	U		10	U		11	U		10	U		10	U		11	U	
4-Bromophenyl-phenylether	ug/L	N/A	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
4-Chloro-3-methylphenol	ug/L	110	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
4-Chloroaniline	ug/L	0.32	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
4-Chlorophenyl-phenylether	ug/L	N/A	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
4-Methylphenol	ug/L	140	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
4-Nitroaniline	ug/L	3.3	11	U		10	UJ		11	U		10	UJ		10	U		11	UJ	
4-Nitrophenol	ug/L	N/A	11	U		10	UJ		11	U		10	UJ		10	U		11	UJ	
Acenaphthene	ug/L	670	0.11	U		0.1	U		0.11	U		0.1	U		0.1	U		0.11	U	
Acenaphthylene	ug/L	N/A	0.11	U		0.1	U		0.11	U		0.1	U		0.1	U		0.11	U	
Acetophenone	ug/L	150	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
Anthracene	ug/L	8300	0.11	U		0.1	U		0.11	U		0.1	U		0.1	U		0.11	U	
Atrazine	ug/l	3	3.2	U		3	U		3.2	U		3	U		3	U		3.2	U	

Groundwater Sample Results Full Table - Stage 1
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-2-P1-S1			MPW-2-P2-S1			MPW-2-P3-S1			MPW-2-P4-S1			MPW-3-P1-S1			MPW-3-P2-S1		
		Location	MPW-2			MPW-2			MPW-2			MPW-2			MPW-3			MPW-3		
		Sample Date	1/16/2009			1/16/2009			1/16/2009			1/16/2009			1/19/2009			1/16/2009		
		Depth	144 to 154 ft			165 to 175 ft			178 to 188 ft			214 to 222 ft			131 to 146 ft			150 to 162 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/L	150	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
Benzo(a)anthracene	ug/L	0.04	0.11	U		0.1	U		0.11	U		0.1	U		0.1	U		0.11	U	
Benzo(a)pyrene	ug/L	0.04	0.11	U		0.1	U		0.11	U		0.1	U		0.1	U		0.11	U	
Benzo(b)fluoranthene	ug/L	0.04	0.11	U		0.1	U		0.11	U		0.1	U		0.1	U		0.11	U	
Benzo(g,h,i)perylene	ug/L	N/A	0.11	U		0.1	U		0.11	U		0.1	U		0.1	U		0.11	U	
Benzo(k)fluoranthene	ug/L	0.04	0.11	U		0.1	U		0.11	U		0.1	U		0.1	U		0.11	U	
bis(2-Chloroethoxy)methane	ug/L	4.7	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
bis(2-Chloroethyl) ether	ug/L	0.3	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
bis(2-Ethylhexyl) phthalate	ug/L	12	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
Butylbenzylphthalate	ug/L	1500	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
Caprolactam	ug/L	770	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
Carbazole	ug/L	N/A	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
Chlorophenols	ug/L	17	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
Chrysene	ug/L	0.04	0.11	U		0.1	U		0.11	U		0.1	U		0.1	U		0.11	U	
Dibenz(a,h)anthracene	ug/L	0.04	0.11	U		0.1	U		0.11	U		0.1	U		0.1	U		0.11	U	
Dibenzofuran	ug/L	0.58	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
Diethylphthalate	ug/L	17000	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
Dimethylphthalate	ug/L	270000	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
Di-n-butylphthalate	ug/L	2000	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
Di-n-octylphthalate	ug/L	N/A	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
Fluoranthene	ug/L	130	0.11	U		0.1	U		0.11	U		0.1	U		0.1	U		0.11	U	
Fluorene	ug/L	1100	0.11	U		0.1	U		0.11	U		0.1	U		0.1	U		0.11	U	
Hexachlorobenzene	ug/l	0.0028	1.1	U		1	U		1.1	U		1	U		1	U		1.1	U	
Hexachlorobutadiene	ug/L	4.4	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
Hexachlorocyclopentadiene	ug/L	40	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
Hexachloroethane	ug/L	14	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
Indeno(1,2,3-cd)pyrene	ug/L	0.04	0.11	U		0.1	U		0.11	U		0.1	U		0.1	U		0.11	U	
Isophorone	ug/L	350	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
Naphthalene	ug/L	0.14	0.11	U		0.1	U		0.11	U		0.1	U		0.1	U		0.11	U	
Nitrobenzene	ug/L	17	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
n-Nitroso-di-n-propylamine	ug/L	0.05	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
n-Nitrosodiphenylamine	ug/L	33	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
Pentachlorophenol	ug/L	1	0.21	U		0.2	U		0.22	U		0.2	U		0.2	U		0.21	U	
Phenanthrene	ug/L	N/A	0.11	U		0.1	U		0.11	U		0.1	U		0.1	U		0.11	U	

Groundwater Sample Results Full Table - Stage 1
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-2-P1-S1			MPW-2-P2-S1			MPW-2-P3-S1			MPW-2-P4-S1			MPW-3-P1-S1			MPW-3-P2-S1		
		Location	MPW-2			MPW-2			MPW-2			MPW-2			MPW-3			MPW-3		
		Sample Date	1/16/2009			1/16/2009			1/16/2009			1/16/2009			1/19/2009			1/16/2009		
		Depth	144 to 154 ft			165 to 175 ft			178 to 188 ft			214 to 222 ft			131 to 146 ft			150 to 162 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Phenol	ug/L	21000	5.3	U		5	U		5.4	U		5	U		5	U		5.3	U	
Pyrene	ug/L	830	0.11	U		0.1	U		0.11	U		0.1	U		0.1	U		0.11	U	
Inorganic Analytes																				
Aluminum	ug/L	1600	200	U		200	U		200	U		200	U		200	U		200	U	
Antimony	ug/L	5.6	2	U		2	U		2	U		2	U		2	U		2	U	
Arsenic	ug/L	10	**10.3**		A	8		#	**10.3**		A	2.1		#	3		#	4.6		#
Barium	ug/L	2000	17.3	J	#	17.3	J	#	16	J	#	0.97	J	#	0.16	J	#	200	U	
Beryllium	ug/L	4	1	U		1	U		1	U		0.023	J	#	1	U		1	U	
Cadmium	ug/L	5	1	U		1	U		1	U		1	U		1	U		1	U	
Calcium	ug/L	N/A	41500		~	46100		~	41200		~	42200		~	57000		~	59000		~
Chromium	ug/L	100	10	U		10	U		10	U		10	U		10	U		10	U	
Cobalt	ug/L	0.47	50	U		50	U		50	U		50	U		50	U		50	U	
Copper	ug/L	1300	25	U		0.93	J	#	0.74	J	#	25	U		25	U		0.76	J	#
Iron	ug/L	1100	100	U		100	U		100	U		100	U		100	U		100	U	
Lead	ug/L	15	10	U		10	U		10	U		10	U		10	U		10	U	
Magnesium	ug/L	N/A	22900		~	25500		~	22700		~	19300		~	27000		~	27300		~
Manganese	ug/L	32	6.4	J	#	2.3	J	#	6.1	J	#	1.1	J	#	15	U		15	U	
Mercury	ug/L	0.05	0.2	U		**0.087**	J	A	**0.15**	J	A	0.2	U		0.2	U		0.2	U	
Nickel	ug/L	610	40	U		40	U		0.8	J	#	40	U		0.76	J	#	40	U	
Potassium	ug/L	N/A	1660	J	~	1720	J	~	1630	J	~	1250	J	~	1410	J	~	1420	J	~
Selenium	ug/L	50	1.2	J	#	1.1	J	#	1.1	J	#	0.72	J	#	0.95	J	#	0.97	J	#
Silver	ug/L	7.1	10	U		10	U		10	U		10	U		10	U		10	U	
Sodium	ug/L	N/A	20400		~	21000		~	20100		~	22000		~	22900		~	23200		~
Thallium	ug/L	0.24	1	U		1	U		1	U		0.02	J	#	1	U		1	U	
Vanadium	ug/L	7.8	**20.1**	J	A	**20.4**	J	A	**19.4**	J	A	**18.9**	J	A	**19.2**	J	A	**18.9**	J	A
Zinc	ug/L	470	60	U		2.6	J	#	60	U		60	U		60	U		60	U	
Cyanide	ug/L	200	10	U		10	U		10	U		10	U		10	U		10	U	

Groundwater Sample Results Full Table - Stage 1
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-2-P1-S1			MPW-2-P2-S1			MPW-2-P3-S1			MPW-2-P4-S1			MPW-3-P1-S1			MPW-3-P2-S1		
		Location	MPW-2			MPW-2			MPW-2			MPW-2			MPW-3			MPW-3		
		Sample Date	1/16/2009			1/16/2009			1/16/2009			1/16/2009			1/19/2009			1/16/2009		
		Depth	144 to 154 ft			165 to 175 ft			178 to 188 ft			214 to 222 ft			131 to 146 ft			150 to 162 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criter

ug/L - microgram per liter

mg/L - milligram per liter

U - non-detect

J - estimated value

R - rejected data

PCB - Polychlorinated Biphenyl

N/A - not applicable

Q - Qualifier

C - Comparison Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud)

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

R2-0008676

Groundwater Sample Results Full Table - Stage 1
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-3-P3-S1			MPW-3-P4-S1			MPW-3-P5-S1			MPW-4-P1-S1			MPW-4-P2-S1			MPW-4-P3-S1		
		Location	MPW-3			MPW-3			MPW-3			MPW-4			MPW-4			MPW-4		
		Sample Date	1/16/2009			1/16/2009			1/16/2009			1/15/2009			1/15/2009			1/15/2009		
		Depth	168 to 174 ft			178 to 188 ft			194 to 204 ft			138 to 149 ft			152 to 160 ft			164 to 174 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
1,1,1-Trichloroethane	ug/L	200	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2,2-Tetrachloroethane	ug/L	1.7	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2-Trichloro-1,2,2-trifluoroethan	ug/L	5300	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2-Trichloroethane	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1-Dichloroethane	ug/L	2.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1-Dichloroethene	ug/L	7	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2,3-Trichlorobenzene	ug/L	0.52	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2,4-Trichlorobenzene	ug/L	35	0.5	UJ		0.5	UJ		0.5	UJ		0.5	U		0.5	U		0.5	U	
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U	
1,2-Dibromoethane	ug/L	0.05	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U	
1,2-Dichlorobenzene	ug/L	420	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichloroethane	ug/L	3.8	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichloropropane	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,3-Dichlorobenzene	ug/L	320	0.1	J	#	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,4-Dichlorobenzene	ug/L	63	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
2-Butanone	ug/L	490	5	U		5	U		5	U		5	U		5	U		5	U	
2-Hexanone	ug/L	3.4	5	U		5	U		5	U		5	U		5	U		5	U	
4-Methyl-2-pentanone	ug/L	100	5	U		5	U		5	U		5	U		5	U		5	U	
Acetone	ug/L	1200	5	U		5	U		5	U		5	U		5	U		5	U	
Benzene	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromodichloromethane	ug/L	5.5	0.72		#	0.59		#	0.51		#	0.17	J	#	0.22	J	#	0.45	J	#
Bromoform	ug/L	43	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromomethane	ug/L	47	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Carbon Disulfide	ug/L	72	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Carbon Tetrachloride	ug/L	2.3	0.24	J	#	0.18	J	#	0.12	J	#	0.25	J	#	0.24	J	#	0.34	J	#
Chlorobenzene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chlorobromomethane	ug/L	8.3	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chloroethane	ug/L	2100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chloroform	ug/L	57	4.4		#	4.1		#	3.9		#	15		#	14	J	#	15	J	#
Chloromethane	ug/L	19	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
cis-1,2-Dichloroethene	ug/L	70	0.2	J	#	0.16	J	#	0.13	J	#	0.5	U		0.5	U		0.5	U	
cis-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Cyclohexane	ug/L	1300	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	

Groundwater Sample Results Full Table - Stage 1
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-3-P3-S1			MPW-3-P4-S1			MPW-3-P5-S1			MPW-4-P1-S1			MPW-4-P2-S1			MPW-4-P3-S1		
		Location	MPW-3			MPW-3			MPW-3			MPW-4			MPW-4			MPW-4		
		Sample Date	1/16/2009			1/16/2009			1/16/2009			1/15/2009			1/15/2009			1/15/2009		
		Depth	168 to 174 ft			178 to 188 ft			194 to 204 ft			138 to 149 ft			152 to 160 ft			164 to 174 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Dibromochloromethane	ug/L	4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Dichlorodifluoromethane	ug/L	19	0.65		#	0.55		#	0.5	U		0.45	J	#	0.46	J	#	0.5	J	#
Ethylbenzene	ug/L	530	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Isopropylbenzene	ug/L	39	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
m,p-Xylene	ug/L	10000	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methyl Acetate	ug/L	1600	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methyl tert-Butyl Ether	ug/L	12	0.19	J	#	0.19	J	#	0.18	J	#	0.5	U		0.24	J	#	0.24	J	#
Methylene Chloride	ug/L	46	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Metylcyclohexane	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
o-Xylene	ug/L	10000	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Styrene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Tetrachloroethene	ug/L	5	2	J	#	0.9	J	#	0.5	UJ		0.96		#	0.86		#	1.7		#
Toluene	ug/L	1000	0.14	J	#	0.5	U		1.3		#	5	U		0.76		#	0.12	J	#
trans-1,2-Dichloroethene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
trans-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Trichloroethene	ug/L	5	0.13	J	#	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Trichlorofluoromethane	ug/L	110	0.23	J	#	0.17	J	#	0.12	J	#	0.33	J	#	0.31	J	#	0.38	J	#
Vinyl Chloride	ug/L	0.25	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
DESA 2009 Wet Chemistry Analysis																				
Nitrate	mg/L	N/A	9.9	J	~				8.1	J	~	7.7		~						
Nitrite	mg/L	N/A	0.05	UJ					0.77	J	~	0.05	U							
Hardness As CaCO3	mg/L	N/A	270	J	~				260	J	~	230	J	~						
Methane	ug/L	N/A	2	UJ					2	U		2	U							
Ethene	ug/L	N/A	2	UJ					2	U		2	U							
Ethane	ug/L	N/A	2	UJ					2	U		2	U							
Nitrogen, Ammonia	mg/L	N/A	0.05	U					0.05	U		0.05	U							
Total Organic Carbon	mg/L	N/A	1	U					1.1		~	1	U							
Total Suspended Solids	mg/L	N/A	10	U					10	U		10	U							
Sulfide	mg/L	N/A	0.01	U					0.01	U		0.01	U							
Alkalinity, Total (as CaCO3)	mg/L	N/A	190		~				200		~	150		~						
Chloride	mg/L	N/A	66		~				66		~	70		~						
Sulfate	mg/L	N/A	8.5		~				9		~	8.9		~						
Total Dissolved Solids	mg/L	N/A	390		~				390		~	350		~						

Groundwater Sample Results Full Table - Stage 1
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-3-P3-S1			MPW-3-P4-S1			MPW-3-P5-S1			MPW-4-P1-S1			MPW-4-P2-S1			MPW-4-P3-S1		
		Location	MPW-3			MPW-3			MPW-3			MPW-4			MPW-4			MPW-4		
		Sample Date	1/16/2009			1/16/2009			1/16/2009			1/15/2009			1/15/2009			1/15/2009		
		Depth	168 to 174 ft			178 to 188 ft			194 to 204 ft			138 to 149 ft			152 to 160 ft			164 to 174 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Nitrogen, Total Kjeldahl	mg/L	N/A	0.1	U					0.21		~	0.2	U							
PCBs																				
Aroclor-1016	ug/L	0.00064	0.95	U		0.95	U		0.95	U		1.1	U		1	U		1	U	
Aroclor-1221	ug/L	0.00064	0.95	U		0.95	U		0.95	U		1.1	U		1	U		1	U	
Aroclor-1232	ug/L	0.00064	0.95	U		0.95	U		0.95	U		1.1	U		1	U		1	U	
Aroclor-1242	ug/L	0.00064	0.95	U		0.95	U		0.95	U		1.1	U		1	U		1	U	
Aroclor-1248	ug/L	0.00064	0.95	U		0.95	U		0.95	U		1.1	U		1	U		1	U	
Aroclor-1254	ug/L	0.00064	0.95	U		0.95	U		0.95	U		1.1	U		1	U		1	U	
Aroclor-1260	ug/L	0.00064	0.95	U		0.95	U		0.95	U		1.1	U		1	U		1	U	
Aroclor-1262	ug/L	0.00064	0.95	U		0.95	U		0.95	U		1.1	U		1	U		1	U	
Aroclor-1268	ug/L	0.00064	0.95	U		0.95	U		0.95	U		1.1	U		1	U		1	U	
Pesticides																				
alpha-BHC	ug/L	0.03	0.01	U		0.01	U		0.011	U		0.011	U		0.011	U		0.01	U	
beta-BHC	ug/L	0.09	0.01	U		0.011		#	0.011	U		0.011	U		0.011	U		0.01	U	
delta-BHC	ug/L	N/A	0.016	R		0.01	U		0.011	U		0.011	U		0.011	U		0.01	U	
gamma-BHC (Lindane)	ug/L	0.2	0.01	U		0.01	U		0.011	U		0.011	U		0.011	U		0.01	U	
Heptachlor	ug/L	0.00079	0.01	U		0.01	U		0.011	U		0.011	U		0.011	U		0.01	U	
Aldrin	ug/L	0.00049	0.01	U		0.01	U		0.011	U		0.011	UJ		0.011	U		0.01	U	
Heptachlor epoxide	ug/L	0.2	0.01	U		0.01	U		0.011	U		0.011	U		0.011	U		0.01	U	
Endosulfan I	ug/L	62	0.01	U		0.01	U		0.011	U		0.011	U		0.011	U		0.0082	J	#
Dieldrin	ug/L	0.00052	0.02	U		0.02	U		0.022	U		0.022	U		0.022	U		0.02	U	
4,4'-DDE	ug/L	0.0022	0.02	U		0.02	U		0.022	U		0.022	U		0.022	U		0.02	U	
Endrin	ug/L	0.06	0.02	U		0.02	U		0.022	U		0.022	U		0.022	U		0.02	U	
Endosulfan II	ug/L	62	0.02	U		0.02	U		0.022	U		0.022	U		0.022	U		0.02	U	
4,4'-DDD	ug/L	0.0022	0.02	U		0.02	U		0.022	U		0.022	U		0.022	U		0.02	U	
Endosulfan sulfate	ug/L	62	0.02	U		0.02	U		0.022	U		0.022	U		0.022	U		0.02	U	
4,4'-DDT	ug/L	0.0022	0.02	U		0.02	U		0.022	U		0.022	U		0.022	U		0.02	U	
Methoxychlor	ug/L	40	0.1	U		0.1	U		0.11	U		0.11	U		0.11	U		0.1	U	
Endrin ketone	ug/L	0.06	0.02	U		0.02	U		0.022	U		0.022	U		0.022	U		0.02	U	
Endrin aldehyde	ug/L	0.29	0.02	U		0.02	U		0.022	U		0.022	U		0.022	U		0.02	U	
alpha-Chlordane	ug/L	0.01	0.01	U		0.01	U		0.011	U		0.011	U		0.011	U		0.01	U	
gamma-Chlordane	ug/L	0.01	0.01	U		0.01	U		0.011	U		0.011	U		0.011	U		0.01	U	

Groundwater Sample Results Full Table - Stage 1
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Cidra, Puerto Rico

		Sample Code	MPW-3-P3-S1			MPW-3-P4-S1			MPW-3-P5-S1			MPW-4-P1-S1			MPW-4-P2-S1			MPW-4-P3-S1		
		Location	MPW-3			MPW-3			MPW-3			MPW-4			MPW-4			MPW-4		
		Sample Date	1/16/2009			1/16/2009			1/16/2009			1/15/2009			1/15/2009			1/15/2009		
		Depth	168 to 174 ft			178 to 188 ft			194 to 204 ft			138 to 149 ft			152 to 160 ft			164 to 174 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Toxaphene	ug/L	0.0028	1	U		1	U		1.1	U		1.1	U		1.1	U		1	U	
Semi-Volatile Organic Compounds																				
1,1'-Biphenyl	ug/L	0.08	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
1,2,4,5-Tetrachlorobenzene	ug/L	0.12	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
2,2'-oxybis(1-Chloropropane)	ug/L	1400	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
2,4,5-Trichlorophenol	ug/L	89	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
2,4,6-Trichlorophenol	ug/L	14	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
2,4-Dichlorophenol	ug/L	77	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
2,4-Dimethylphenol	ug/L	380	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
2,4-Dinitrophenol	ug/L	69	11	U		10	UJ		10	UJ		11	U		10	U		11	U	
2,4-Dinitrotoluene	ug/L	1.1	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
2,6-Dinitrotoluene	ug/L	1.5	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
2-Chloronaphthalene	ug/L	1000	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
2-Chlorophenol	ug/L	81	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
2-Methylnaphthalene	ug/L	2.7	0.11	U		0.1	U		0.1	U		0.11	U		0.1	U		0.11	U	
2-Methylphenol	ug/L	72	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
2-Nitroaniline	ug/L	15	11	U		10	UJ		10	UJ		11	U		10	U		11	U	
2-Nitrophenol	ug/L	N/A	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
3,3'-Dichlorobenzidine	ug/L	0.21	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
3-Nitroaniline	ug/L	N/A	11	U		10	UJ		10	UJ		11	U		10	U		11	U	
4,6-Dinitro-2-methylphenol	ug/L	13	11	U		10	U		10	UJ		11	U		10	U		11	U	
4-Bromophenyl-phenylether	ug/L	N/A	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
4-Chloro-3-methylphenol	ug/L	110	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
4-Chloroaniline	ug/L	0.32	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
4-Chlorophenyl-phenylether	ug/L	N/A	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
4-Methylphenol	ug/L	140	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
4-Nitroaniline	ug/L	3.3	11	U		10	UJ		10	UJ		11	U		10	U		11	U	
4-Nitrophenol	ug/L	N/A	11	U		10	UJ		10	UJ		11	U		10	U		11	U	
Acenaphthene	ug/L	670	0.11	U		0.1	U		0.1	U		0.11	U		0.1	U		0.11	U	
Acenaphthylene	ug/L	N/A	0.11	U		0.1	U		0.1	U		0.11	U		0.1	U		0.11	U	
Acetophenone	ug/L	150	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
Anthracene	ug/L	8300	0.11	U		0.1	U		0.1	U		0.11	U		0.1	U		0.11	U	
Atrazine	ug/l	3	3.2	U		3.1	U		3	U		3.3	U		3	U		3.3	U	

Groundwater Sample Results Full Table - Stage 1
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		Sample Code	MPW-3-P3-S1			MPW-3-P4-S1			MPW-3-P5-S1			MPW-4-P1-S1			MPW-4-P2-S1			MPW-4-P3-S1		
		Location	MPW-3			MPW-3			MPW-3			MPW-4			MPW-4			MPW-4		
		Sample Date	1/16/2009			1/16/2009			1/16/2009			1/15/2009			1/15/2009			1/15/2009		
		Depth	168 to 174 ft			178 to 188 ft			194 to 204 ft			138 to 149 ft			152 to 160 ft			164 to 174 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/L	150	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
Benzo(a)anthracene	ug/L	0.04	0.11	U		0.1	U		0.1	U		0.11	U		0.1	U		0.11	U	
Benzo(a)pyrene	ug/L	0.04	0.11	U		0.1	U		0.1	U		0.11	U		0.1	U		0.11	U	
Benzo(b)fluoranthene	ug/L	0.04	0.11	U		0.1	U		0.1	U		0.11	U		0.1	U		0.11	U	
Benzo(g,h,i)perylene	ug/L	N/A	0.11	U		0.1	U		0.1	U		0.11	U		0.1	U		0.11	U	
Benzo(k)fluoranthene	ug/L	0.04	0.11	U		0.1	U		0.1	U		0.11	U		0.1	U		0.11	U	
bis(2-Chloroethoxy)methane	ug/L	4.7	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
bis(2-Chloroethyl) ether	ug/L	0.3	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
bis(2-Ethylhexyl) phthalate	ug/L	12	5.4	U		5.1	U		5	U		2.8	J	#	3.6	J	#	5.6	U	
Butylbenzylphthalate	ug/L	1500	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
Caprolactam	ug/L	770	5.4	U		2.8	J	#	2.6	J	#	5.6	U		5	U		5.6	U	
Carbazole	ug/L	N/A	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
Chlorophenols	ug/L	17	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
Chrysene	ug/L	0.04	0.11	U		0.1	U		0.1	U		0.11	U		0.1	U		0.11	U	
Dibenz(a,h)anthracene	ug/L	0.04	0.11	U		0.1	U		0.1	U		0.11	U		0.1	U		0.11	U	
Dibenzofuran	ug/L	0.58	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
Diethylphthalate	ug/L	17000	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
Dimethylphthalate	ug/L	270000	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
Di-n-butylphthalate	ug/L	2000	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
Di-n-octylphthalate	ug/L	N/A	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
Fluoranthene	ug/L	130	0.11	U		0.1	U		0.1	U		0.11	U		0.1	U		0.11	U	
Fluorene	ug/L	1100	0.11	U		0.1	U		0.1	U		0.11	U		0.1	U		0.11	U	
Hexachlorobenzene	ug/l	0.0028	1.1	U		1	U		1	U		1.1	U		1	U		1.1	U	
Hexachlorobutadiene	ug/L	4.4	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
Hexachlorocyclopentadiene	ug/L	40	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
Hexachloroethane	ug/L	14	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
Indeno(1,2,3-cd)pyrene	ug/L	0.04	0.11	U		0.1	U		0.1	U		0.11	U		0.1	U		0.11	U	
Isophorone	ug/L	350	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
Naphthalene	ug/L	0.14	0.11	U		0.1	U		0.1	U		0.11	U		0.1	U		0.11	U	
Nitrobenzene	ug/L	17	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
n-Nitroso-di-n-propylamine	ug/L	0.05	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
n-Nitrosodiphenylamine	ug/L	33	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
Pentachlorophenol	ug/L	1	0.22	U		0.21	U		0.2	U		0.22	U		0.2	U		0.22	U	
Phenanthrene	ug/L	N/A	0.11	U		0.1	U		0.1	U		0.11	U		0.1	U		0.11	U	

Groundwater Sample Results Full Table - Stage 1
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Cidra, Puerto Rico

		Sample Code	MPW-3-P3-S1			MPW-3-P4-S1			MPW-3-P5-S1			MPW-4-P1-S1			MPW-4-P2-S1			MPW-4-P3-S1		
		Location	MPW-3			MPW-3			MPW-3			MPW-4			MPW-4			MPW-4		
		Sample Date	1/16/2009			1/16/2009			1/16/2009			1/15/2009			1/15/2009			1/15/2009		
		Depth	168 to 174 ft			178 to 188 ft			194 to 204 ft			138 to 149 ft			152 to 160 ft			164 to 174 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Phenol	ug/L	21000	5.4	U		5.1	U		5	U		5.6	U		5	U		5.6	U	
Pyrene	ug/L	830	0.11	U		0.1	U		0.1	U		0.11	U		0.1	U		0.11	U	
Inorganic Analytes																				
Aluminum	ug/L	1600	200	U		200	U		200	U		200	U		200	U		200	U	
Antimony	ug/L	5.6	2	U		2	U		2	U		2	U		2	U		2	U	
Arsenic	ug/L	10	8.3		#	**44.5**		A	**74.4**		A	9.2		#	4.4		#	4.1		#
Barium	ug/L	2000	200	U		0.25	J	#	1.3	J	#	16.7	J	#	10.3	J	#	7.6	J	#
Beryllium	ug/L	4	0.023	J	#	1	U		1	U		1	U		1	U		1	U	
Cadmium	ug/L	5	1	U		1	U		1	U		1	U		1	U		1	U	
Calcium	ug/L	N/A	61800		~	66200		~	63600		~	49500		~	49300		~	53200		~
Chromium	ug/L	100	10	U		10	U		10	U		10	U		10	U		10	U	
Cobalt	ug/L	0.47	50	U		50	U		50	U		50	U		50	U		50	U	
Copper	ug/L	1300	25	U		25	U		25	U		25	U		1.5	J	#	2	J	#
Iron	ug/L	1100	100	U		100	U		100	U		100	U		100	U		100	U	
Lead	ug/L	15	10	U		10	U		10	U		10	U		2.1	J	#	10	U	
Magnesium	ug/L	N/A	27700		~	28700		~	27900		~	26800		~	26000		~	27000		~
Manganese	ug/L	32	15	U		9.6	J	#	26.4		#	**41**		A	17.1		#	1.8	J	#
Mercury	ug/L	0.05	0.2	U		**0.13**	J	A	**0.12**	J	A	**0.082**	J	A	0.2	U		0.2	U	
Nickel	ug/L	610	40	U		40	U		40	U		40	U		40	U		40	U	
Potassium	ug/L	N/A	1430	J	~	1510	J	~	1470	J	~	1580	J	~	1570	J	~	1560	J	~
Selenium	ug/L	50	0.92	J	#	0.89	J	#	0.91	J	#	0.94	J	#	0.97	J	#	0.97	J	#
Silver	ug/L	7.1	10	U		10	U		10	U		10	U		10	U		10	U	
Sodium	ug/L	N/A	23700		~	24900		~	24100		~	21100		~	20100		~	20700		~
Thallium	ug/L	0.24	0.021	J	#	1	U		0.011	J	#	0.017	J	#	1	U		1	U	
Vanadium	ug/L	7.8	**18.8**	J	A	**20.2**	J	A	**20.2**	J	A	**18.1**	J	A	**19.3**	J	A	**20.4**	J	A
Zinc	ug/L	470	60	U		60	U		60	U		60	U		60	U		60	U	
Cyanide	ug/L	200	2.2	J	#	10	U		3.3	J	#	10	U		10	U		10	U	

Groundwater Sample Results Full Table - Stage 1
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-3-P3-S1			MPW-3-P4-S1			MPW-3-P5-S1			MPW-4-P1-S1			MPW-4-P2-S1			MPW-4-P3-S1		
		Location	MPW-3			MPW-3			MPW-3			MPW-4			MPW-4			MPW-4		
		Sample Date	1/16/2009			1/16/2009			1/16/2009			1/15/2009			1/15/2009			1/15/2009		
		Depth	168 to 174 ft			178 to 188 ft			194 to 204 ft			138 to 149 ft			152 to 160 ft			164 to 174 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criter

ug/L - microgram per liter

mg/L - milligram per liter

U - non-detect

J - estimated value

R - rejected data

PCB - Polychlorinated Biphenyl

N/A - not applicable

Q - Qualifier

C - Comparison Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud)

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

Groundwater Sample Results Full Table - Stage 1
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-4-P4-S1			MPW-5-P1-S1			MPW-5-P2-S1			MPW-5-P3-S1			MPW-5-P4-S1			MPW-5-P5-S1		
		Location	MPW-4			MPW-5			MPW-5			MPW-5			MPW-5			MPW-5		
		Sample Date	1/15/2009			1/14/2009			1/14/2009			1/14/2009			1/14/2009			1/14/2009		
		Depth	210 to 224 ft			130 to 144 ft			148 to 154 ft			157 to 170 ft			202 to 212 ft			260 to 274 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
1,1,1-Trichloroethane	ug/L	200	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2,2-Tetrachloroethane	ug/L	1.7	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2-Trichloro-1,2,2-trifluoroethan	ug/L	5300	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.27	J	#
1,1,2-Trichloroethane	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1-Dichloroethane	ug/L	2.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1-Dichloroethene	ug/L	7	0.5	U		0.5	U		0.5	U		0.5	U		0.62		#	1.2		#
1,2,3-Trichlorobenzene	ug/L	0.52	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2,4-Trichlorobenzene	ug/L	35	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U	
1,2-Dibromoethane	ug/L	0.05	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U	
1,2-Dichlorobenzene	ug/L	420	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichloroethane	ug/L	3.8	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichloropropane	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,3-Dichlorobenzene	ug/L	320	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,4-Dichlorobenzene	ug/L	63	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
2-Butanone	ug/L	490	5	U		5	U		5	U		5	U		2.2	J	#	5	U	
2-Hexanone	ug/L	3.4	5	U		5	U		5	U		5	U		5	U		5	U	
4-Methyl-2-pentanone	ug/L	100	5	U		5	U		5	U		5	U		5	U		5	U	
Acetone	ug/L	1200	5	U		2.3	J	#	5	U		2.3	J	#	6.8		#	2.7	J	#
Benzene	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.13	J	#	0.5	U	
Bromodichloromethane	ug/L	5.5	0.39	J	#	0.72		#	0.55		#	0.73		#	0.26	J	#	0.11	J	#
Bromoform	ug/L	43	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromomethane	ug/L	47	0.5	U		0.5	U		0.5	U		0.5	U		0.5	UJ		0.5	U	
Carbon Disulfide	ug/L	72	0.5	U		0.5	U		0.5	U		0.5	U		0.13	J	#	0.5	U	
Carbon Tetrachloride	ug/L	2.3	0.22	J	#	0.25	J	#	0.17	J	#	0.34	J	#	0.16	J	#	0.14	J	#
Chlorobenzene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chlorobromomethane	ug/L	8.3	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chloroethane	ug/L	2100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	UJ		0.5	U	
Chloroform	ug/L	57	6.4		#	6.3		#	4.9		#	6.4		#	4.4		#	3		#
Chloromethane	ug/L	19	0.5	U		0.5	U		0.5	U		0.5	U		0.5	UJ		0.5	U	
cis-1,2-Dichloroethene	ug/L	70	0.13	J	#	0.5	U		0.5	U		0.5	U		2.8		#	9.5		#
cis-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Cyclohexane	ug/L	1300	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	

Groundwater Sample Results Full Table - Stage 1
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-4-P4-S1			MPW-5-P1-S1			MPW-5-P2-S1			MPW-5-P3-S1			MPW-5-P4-S1			MPW-5-P5-S1		
		Location	MPW-4			MPW-5			MPW-5			MPW-5			MPW-5			MPW-5		
		Sample Date	1/15/2009			1/14/2009			1/14/2009			1/14/2009			1/14/2009			1/14/2009		
		Depth	210 to 224 ft			130 to 144 ft			148 to 154 ft			157 to 170 ft			202 to 212 ft			260 to 274 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Dibromochloromethane	ug/L	4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Dichlorodifluoromethane	ug/L	19	0.79		#	0.5	U		0.5	U		0.5	U		0.5	UJ		0.5	U	
Ethylbenzene	ug/L	530	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Isopropylbenzene	ug/L	39	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
m,p-Xylene	ug/L	10000	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methyl Acetate	ug/L	1600	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methyl tert-Butyl Ether	ug/L	12	0.12	J	#	0.28	J	#	0.24	J	#	0.28	J	#	0.12	J	#	0.14	J	#
Methylene Chloride	ug/L	46	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Metylcyclohexane	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.1	J	~
o-Xylene	ug/L	10000	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Styrene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Tetrachloroethene	ug/L	5	1.4		#	1.2		#	1.2		#	2.5		#	**11**		A	**56**		A
Toluene	ug/L	1000	1		#	0.5	U		0.67		#	0.5	U		15		#	8.3		#
trans-1,2-Dichloroethene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
trans-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Trichloroethene	ug/L	5	0.5	U		0.5	U		0.5	U		0.1	J	#	0.48	J	#	1.7		#
Trichlorofluoromethane	ug/L	110	0.12	J	#	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Vinyl Chloride	ug/L	0.25	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
DESA 2009 Wet Chemistry Analysis																				
Nitrate	mg/L	N/A	7.1		~	7.1		~							6		~			
Nitrite	mg/L	N/A	0.05	U		0.05	U								0.082		~			
Hardness As CaCO3	mg/L	N/A	220	J	~	180	J	~							220	J	~			
Methane	ug/L	N/A	2	U		2	U								2	U				
Ethene	ug/L	N/A	2	U		2	U								2	U				
Ethane	ug/L	N/A	2	U		2	U								2	U				
Nitrogen, Ammonia	mg/L	N/A	0.05	U		0.05	U								0.05	U				
Total Organic Carbon	mg/L	N/A	1	U		1	U								1.3		~			
Total Suspended Solids	mg/L	N/A	10	U		10	U								10	U				
Sulfide	mg/L	N/A	0.01	U		0.01	U								0.01	U				
Alkalinity, Total (as CaCO3)	mg/L	N/A	170		~	150		~							190		~			
Chloride	mg/L	N/A	53		~	42		~							47		~			
Sulfate	mg/L	N/A	7.2		~	2.5		~							4.6		~			
Total Dissolved Solids	mg/L	N/A	330		~	290		~							330		~			

Groundwater Sample Results Full Table - Stage 1
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-4-P4-S1			MPW-5-P1-S1			MPW-5-P2-S1			MPW-5-P3-S1			MPW-5-P4-S1			MPW-5-P5-S1		
		Location	MPW-4			MPW-5			MPW-5			MPW-5			MPW-5			MPW-5		
		Sample Date	1/15/2009			1/14/2009			1/14/2009			1/14/2009			1/14/2009			1/14/2009		
		Depth	210 to 224 ft			130 to 144 ft			148 to 154 ft			157 to 170 ft			202 to 212 ft			260 to 274 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Nitrogen, Total Kjeldahl	mg/L	N/A	0.42		~	0.21		~							0.6		~			
PCBs																				
Aroclor-1016	ug/L	0.00064	1	U		1	U		1	U		1.1	U		1	U		1	U	
Aroclor-1221	ug/L	0.00064	1	U		1	U		1	U		1.1	U		1	U		1	U	
Aroclor-1232	ug/L	0.00064	1	U		1	U		1	U		1.1	U		1	U		1	U	
Aroclor-1242	ug/L	0.00064	1	U		1	U		1	U		1.1	U		1	U		1	U	
Aroclor-1248	ug/L	0.00064	1	U		1	U		1	U		1.1	U		1	U		1	U	
Aroclor-1254	ug/L	0.00064	1	U		1	U		1	U		1.1	U		1	U		1	U	
Aroclor-1260	ug/L	0.00064	1	U		1	U		1	U		1.1	U		1	U		1	U	
Aroclor-1262	ug/L	0.00064	1	U		1	U		1	U		1.1	U		1	U		1	U	
Aroclor-1268	ug/L	0.00064	1	U		1	U		1	U		1.1	U		1	U		1	U	
Pesticides																				
alpha-BHC	ug/L	0.03	0.01	U		0.01	U		0.01	U		0.01	U		0.01	U		0.01	U	
beta-BHC	ug/L	0.09	0.01	U		0.01	U		0.01	U		0.01	U		0.01	U		0.01	U	
delta-BHC	ug/L	N/A	0.01	U		0.01	U		0.01	U		0.01	U		0.01	U		0.014	NJ	~
gamma-BHC (Lindane)	ug/L	0.2	0.01	U		0.01	U		0.01	U		0.01	U		0.01	U		0.01	U	
Heptachlor	ug/L	0.00079	0.01	U		0.01	U		0.01	U		0.01	U		0.01	U		0.01	U	
Aldrin	ug/L	0.00049	0.01	U		0.01	U		0.01	U		0.01	U		0.01	U		0.01	U	
Heptachlor epoxide	ug/L	0.2	0.01	U		0.01	U		0.01	U		0.01	U		0.01	U		0.01	U	
Endosulfan I	ug/L	62	0.0078	J	#	0.01	U		0.01	U		0.01	U		0.01	U		0.01	U	
Dieldrin	ug/L	0.00052	0.021	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U	
4,4'-DDE	ug/L	0.0022	0.021	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U	
Endrin	ug/L	0.06	0.021	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U	
Endosulfan II	ug/L	62	0.021	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U	
4,4'-DDD	ug/L	0.0022	0.021	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U	
Endosulfan sulfate	ug/L	62	0.021	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U	
4,4'-DDT	ug/L	0.0022	0.021	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U	
Methoxychlor	ug/L	40	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
Endrin ketone	ug/L	0.06	0.021	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U	
Endrin aldehyde	ug/L	0.29	0.021	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U	
alpha-Chlordane	ug/L	0.01	0.01	U		0.01	U		0.01	U		0.01	U		0.01	U		0.01	U	
gamma-Chlordane	ug/L	0.01	0.01	U		0.01	U		0.01	U		0.01	U		0.01	U		0.01	U	

Groundwater Sample Results Full Table - Stage 1
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-4-P4-S1			MPW-5-P1-S1			MPW-5-P2-S1			MPW-5-P3-S1			MPW-5-P4-S1			MPW-5-P5-S1		
		Location	MPW-4			MPW-5			MPW-5			MPW-5			MPW-5			MPW-5		
		Sample Date	1/15/2009			1/14/2009			1/14/2009			1/14/2009			1/14/2009			1/14/2009		
		Depth	210 to 224 ft			130 to 144 ft			148 to 154 ft			157 to 170 ft			202 to 212 ft			260 to 274 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Toxaphene	ug/L	0.0028	1	U		1	U		1	U		1	U		1	U		1	U	
Semi-Volatile Organic Compounds																				
1,1'-Biphenyl	ug/L	0.08	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
1,2,4,5-Tetrachlorobenzene	ug/L	0.12	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
2,2'-oxybis(1-Chloropropane)	ug/L	1400	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
2,4,5-Trichlorophenol	ug/L	89	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
2,4,6-Trichlorophenol	ug/L	14	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
2,4-Dichlorophenol	ug/L	77	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
2,4-Dimethylphenol	ug/L	380	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
2,4-Dinitrophenol	ug/L	69	10	U		10	U		10	U		10	U		11	U		11	U	
2,4-Dinitrotoluene	ug/L	1.1	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
2,6-Dinitrotoluene	ug/L	1.5	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
2-Chloronaphthalene	ug/L	1000	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
2-Chlorophenol	ug/L	81	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
2-Methylnaphthalene	ug/L	2.7	0.1	U		0.1	U		0.1	U		0.1	U		0.11	U		0.11	U	
2-Methylphenol	ug/L	72	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
2-Nitroaniline	ug/L	15	10	U		10	U		10	U		10	U		11	U		11	U	
2-Nitrophenol	ug/L	N/A	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
3,3'-Dichlorobenzidine	ug/L	0.21	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
3-Nitroaniline	ug/L	N/A	10	U		10	U		10	U		10	U		11	U		11	U	
4,6-Dinitro-2-methylphenol	ug/L	13	10	U		10	U		10	U		10	U		11	U		11	U	
4-Bromophenyl-phenylether	ug/L	N/A	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
4-Chloro-3-methylphenol	ug/L	110	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
4-Chloroaniline	ug/L	0.32	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
4-Chlorophenyl-phenylether	ug/L	N/A	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
4-Methylphenol	ug/L	140	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
4-Nitroaniline	ug/L	3.3	10	U		10	U		10	U		10	U		11	U		11	U	
4-Nitrophenol	ug/L	N/A	10	U		10	U		10	U		10	U		11	U		11	U	
Acenaphthene	ug/L	670	0.1	U		0.1	U		0.1	U		0.1	U		0.11	U		0.11	U	
Acenaphthylene	ug/L	N/A	0.1	U		0.1	U		0.1	U		0.1	U		0.11	U		0.11	U	
Acetophenone	ug/L	150	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
Anthracene	ug/L	8300	0.1	U		0.1	U		0.1	U		0.1	U		0.11	U		0.11	U	
Atrazine	ug/l	3	3	U		0.0027	J	#	0.0012	J	#	0.002	J	#	3.2	U		3.2	U	

Groundwater Sample Results Full Table - Stage 1
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-4-P4-S1			MPW-5-P1-S1			MPW-5-P2-S1			MPW-5-P3-S1			MPW-5-P4-S1			MPW-5-P5-S1		
		Location	MPW-4			MPW-5			MPW-5			MPW-5			MPW-5			MPW-5		
		Sample Date	1/15/2009			1/14/2009			1/14/2009			1/14/2009			1/14/2009			1/14/2009		
		Depth	210 to 224 ft			130 to 144 ft			148 to 154 ft			157 to 170 ft			202 to 212 ft			260 to 274 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/L	150	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
Benzo(a)anthracene	ug/L	0.04	0.1	U		0.1	U		0.1	U		0.1	U		0.11	U		0.11	U	
Benzo(a)pyrene	ug/L	0.04	0.1	U		0.1	U		0.1	U		0.1	U		0.11	U		0.11	U	
Benzo(b)fluoranthene	ug/L	0.04	0.1	U		0.1	U		0.1	U		0.1	U		0.11	U		0.11	U	
Benzo(g,h,i)perylene	ug/L	N/A	0.1	U		0.1	U		0.1	U		0.1	U		0.11	U		0.11	U	
Benzo(k)fluoranthene	ug/L	0.04	0.1	U		0.1	U		0.1	U		0.1	U		0.11	U		0.11	U	
bis(2-Chloroethoxy)methane	ug/L	4.7	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
bis(2-Chloroethyl) ether	ug/L	0.3	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
bis(2-Ethylhexyl) phthalate	ug/L	12	5	U		5	U		8		#	5	U		5.3	U		5.3	U	
Butylbenzylphthalate	ug/L	1500	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
Caprolactam	ug/L	770	5	U		5	U		5	U		5	U		9.8		#	5.3	U	
Carbazole	ug/L	N/A	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
Chlorophenols	ug/L	17	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
Chrysene	ug/L	0.04	0.1	U		0.1	U		0.1	U		0.1	U		0.11	U		0.11	U	
Dibenz(a,h)anthracene	ug/L	0.04	0.1	U		0.1	U		0.1	U		0.1	U		0.11	U		0.11	U	
Dibenzofuran	ug/L	0.58	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
Diethylphthalate	ug/L	17000	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
Dimethylphthalate	ug/L	270000	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
Di-n-butylphthalate	ug/L	2000	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
Di-n-octylphthalate	ug/L	N/A	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
Fluoranthene	ug/L	130	0.1	U		0.1	U		0.1	U		0.1	U		0.11	U		0.11	U	
Fluorene	ug/L	1100	0.1	U		0.1	U		0.1	U		0.1	U		0.11	U		0.11	U	
Hexachlorobenzene	ug/l	0.0028	1	U		1	U		1	U		1	U		1.1	U		1.1	U	
Hexachlorobutadiene	ug/L	4.4	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
Hexachlorocyclopentadiene	ug/L	40	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
Hexachloroethane	ug/L	14	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
Indeno(1,2,3-cd)pyrene	ug/L	0.04	0.1	U		0.1	U		0.1	U		0.1	U		0.11	U		0.11	U	
Isophorone	ug/L	350	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
Naphthalene	ug/L	0.14	0.1	U		0.1	U		0.1	U		0.1	U		0.11	U		0.11	U	
Nitrobenzene	ug/L	17	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
n-Nitroso-di-n-propylamine	ug/L	0.05	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
n-Nitrosodiphenylamine	ug/L	33	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
Pentachlorophenol	ug/L	1	0.2	U		0.2	U		0.2	U		0.2	U		0.21	U		0.21	U	
Phenanthrene	ug/L	N/A	0.1	U		0.1	U		0.1	U		0.1	U		0.11	U		0.11	U	

Groundwater Sample Results Full Table - Stage 1
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Cidra, Puerto Rico

		Sample Code	MPW-4-P4-S1			MPW-5-P1-S1			MPW-5-P2-S1			MPW-5-P3-S1			MPW-5-P4-S1			MPW-5-P5-S1		
		Location	MPW-4			MPW-5			MPW-5			MPW-5			MPW-5			MPW-5		
		Sample Date	1/15/2009			1/14/2009			1/14/2009			1/14/2009			1/14/2009			1/14/2009		
		Depth	210 to 224 ft			130 to 144 ft			148 to 154 ft			157 to 170 ft			202 to 212 ft			260 to 274 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Phenol	ug/L	21000	5	U		5	U		5	U		5	U		5.3	U		5.3	U	
Pyrene	ug/L	830	0.1	U		0.1	U		0.1	U		0.1	U		0.11	U		0.11	U	
Inorganic Analytes																				
Aluminum	ug/L	1600	200	U		200	U		200	U		200	U		200	U		200	U	
Antimony	ug/L	5.6	2	U		2	U		2	U		2	U		2	U		2	U	
Arsenic	ug/L	10	**15.2**		A	5		#	**20.7**		A	2.5		#	**106**		A	**14.7**		A
Barium	ug/L	2000	3.7	J	#	41.8	J	#	15.1	J	#	16.1	J	#	26.7	J	#	15.3	J	#
Beryllium	ug/L	4	1	U		1	U		1	U		1	U		1	U		1	U	
Cadmium	ug/L	5	1	U		1	U		1	U		1	U		1	U		1	U	
Calcium	ug/L	N/A	48800		~	38100		~	40200		~	39200		~	48000		~	62100		~
Chromium	ug/L	100	10	U		10	U		10	U		10	U		10	U		10	U	
Cobalt	ug/L	0.47	50	U		50	U		50	U		50	U		50	U		50	U	
Copper	ug/L	1300	25	U		0.67	J	#	1.5	J	#	2	J	#	25	U		25	U	
Iron	ug/L	1100	100	U		100	U		100	U		100	U		100	U		100	U	
Lead	ug/L	15	10	U		10	U		2.2	J	#	10	U		10	U		10	U	
Magnesium	ug/L	N/A	23500		~	21400		~	22200		~	22600		~	24900		~	19900		~
Manganese	ug/L	32	14.9	J	#	15	U		11.4	J	#	0.41	J	#	**301**		A	2.6	J	#
Mercury	ug/L	0.05	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Nickel	ug/L	610	40	U		40	U		40	U		40	U		40	U		40	U	
Potassium	ug/L	N/A	1360	J	~	1850	J	~	1880	J	~	1800	J	~	1750	J	~	1370	J	~
Selenium	ug/L	50	0.86	J	#	0.76	J	#	0.72	J	#	0.72	J	#	0.86	J	#	1	J	#
Silver	ug/L	7.1	10	U		10	U		10	U		10	U		10	U		0.6	J	#
Sodium	ug/L	N/A	20900		~	19100		~	19300		~	19100		~	20500		~	20700		~
Thallium	ug/L	0.24	1	U		1	U		1	U		1	U		1	U		1	U	
Vanadium	ug/L	7.8	**20.9**	J	A	**26.8**	J	A	**27.1**	J	A	**26.3**	J	A	**24.4**	J	A	**24.6**	J	A
Zinc	ug/L	470	60	U		60	U		60	U		60	U		60	U		60	U	
Cyanide	ug/L	200	10	U		10	U		10	U		10	U		10	U		10	U	

Groundwater Sample Results Full Table - Stage 1
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Cidra, Puerto Rico

		Sample Code	MPW-4-P4-S1			MPW-5-P1-S1			MPW-5-P2-S1			MPW-5-P3-S1			MPW-5-P4-S1			MPW-5-P5-S1		
		Location	MPW-4			MPW-5			MPW-5			MPW-5			MPW-5			MPW-5		
		Sample Date	1/15/2009			1/14/2009			1/14/2009			1/14/2009			1/14/2009			1/14/2009		
		Depth	210 to 224 ft			130 to 144 ft			148 to 154 ft			157 to 170 ft			202 to 212 ft			260 to 274 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criter

ug/L - microgram per liter

mg/L - milligram per liter

U - non-detect

J - estimated value

R - rejected data

PCB - Polychlorinated Biphenyl

N/A - not applicable

Q - Qualifier

C - Comparison Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud)

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

Groundwater Sample Results Full Table - Stage 1
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-5-P6-S1			MPW-5-P7-S1			MPW-6-P1-S1			MPW-6-P2-S1			MPW-6-P3-S1			MPW-6-P4-S1		
		Location	MPW-5			MPW-5			MPW-6			MPW-6			MPW-6			MPW-6		
		Sample Date	1/14/2009			1/15/2009			1/20/2009			1/20/2009			1/20/2009			1/19/2009		
		Depth	277 to 287 ft			302 to 324 ft			154 to 164 ft			172 to 182 ft			190 to 200 ft			215 to 225 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
1,1,1-Trichloroethane	ug/L	200	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2,2-Tetrachloroethane	ug/L	1.7	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2-Trichloro-1,2,2-trifluoroethan	ug/L	5300	0.5	U		0.5	U		0.5	U		0.51		#	0.5	U		0.5	U	
1,1,2-Trichloroethane	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1-Dichloroethane	ug/L	2.4	0.5	U		0.5	U		0.25	J	#	0.23	J	#	0.11	J	#	1.4	J	#
1,1-Dichloroethene	ug/L	7	1.3		#	0.5	U		4.9		#	6.9	J	#	3.6		#	**16**	J	A
1,2,3-Trichlorobenzene	ug/L	0.52	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2,4-Trichlorobenzene	ug/L	35	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U	
1,2-Dibromoethane	ug/L	0.05	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U	
1,2-Dichlorobenzene	ug/L	420	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichloroethane	ug/L	3.8	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichloropropane	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,3-Dichlorobenzene	ug/L	320	0.5	U		0.5	U		0.12	J	#	0.5	U		0.5	U		0.5	U	
1,4-Dichlorobenzene	ug/L	63	0.5	U		0.5	U		0.15	J	#	0.5	U		0.5	U		0.5	U	
2-Butanone	ug/L	490	5	U		5	U		5	U		5	U		5	U		5	U	
2-Hexanone	ug/L	3.4	5	U		5	U		5	U		5	U		5	U		5	U	
4-Methyl-2-pentanone	ug/L	100	5	U		5	U		5	U		5	U		5	U		5	U	
Acetone	ug/L	1200	5	U		5	U		5	U		2.8	J	#	3.2	J	#	5	U	
Benzene	ug/L	5	0.12	J	#	0.5	U		0.16	J	#	0.5	U		0.5	U		0.5	U	
Bromodichloromethane	ug/L	5.5	0.11	J	#	0.5	U		0.37	J	#	0.5	U		0.5	U		0.31	J	#
Bromoform	ug/L	43	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromomethane	ug/L	47	0.5	UJ		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Carbon Disulfide	ug/L	72	0.5	UJ		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Carbon Tetrachloride	ug/L	2.3	0.14	J	#	0.16	J	#	0.5	U		0.5	U		0.5	U		0.5	U	
Chlorobenzene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chlorobromomethane	ug/L	8.3	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chloroethane	ug/L	2100	0.5	UJ		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chloroform	ug/L	57	3.1		#	3.3		#	3		#	1.9		#	1.3		#	38		#
Chloromethane	ug/L	19	0.5	UJ		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
cis-1,2-Dichloroethene	ug/L	70	9.5		#	9.2		#	0.5	U		0.5	U		0.5	U		0.5	U	
cis-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Cyclohexane	ug/L	1300	0.5	U		0.5	U		0.5	U		0.12	J	#	0.5	U		0.5	U	

Groundwater Sample Results Full Table - Stage 1
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-5-P6-S1			MPW-5-P7-S1			MPW-6-P1-S1			MPW-6-P2-S1			MPW-6-P3-S1			MPW-6-P4-S1		
		Location	MPW-5			MPW-5			MPW-6			MPW-6			MPW-6			MPW-6		
		Sample Date	1/14/2009			1/15/2009			1/20/2009			1/20/2009			1/20/2009			1/19/2009		
		Depth	277 to 287 ft			302 to 324 ft			154 to 164 ft			172 to 182 ft			190 to 200 ft			215 to 225 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Dibromochloromethane	ug/L	4	0.5	U		0.5	U		0.28	J	#	0.5	U		0.5	U		0.5	U	
Dichlorodifluoromethane	ug/L	19	0.5	UJ		0.5	U		0.15	J	#	0.5	U		0.5	U		0.5	U	
Ethylbenzene	ug/L	530	0.5	U		0.5	U		0.13	J	#	0.5	U		0.5	U		0.5	U	
Isopropylbenzene	ug/L	39	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
m,p-Xylene	ug/L	10000	0.5	U		0.5	U		0.25	J	#	0.5	U		0.5	U		0.5	U	
Methyl Acetate	ug/L	1600	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methyl tert-Butyl Ether	ug/L	12	0.5	U		0.16	J	#	0.5	U		0.5	U		0.5	U		0.15	J	#
Methylene Chloride	ug/L	46	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Metylcyclohexane	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.1	J	~	0.5	U		0.5	U	
o-Xylene	ug/L	10000	0.5	U		0.5	U		0.12	J	#	0.5	U		0.5	U		0.5	U	
Styrene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Tetrachloroethene	ug/L	5	**32**		A	**29**		A	0.17	J	#	0.11	J	#	0.5	U		0.48	J	#
Toluene	ug/L	1000	2.5		#	6.7		#	54		#	1.6		#	0.59		#	1.2		#
trans-1,2-Dichloroethene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
trans-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Trichloroethene	ug/L	5	1.5		#	1.4		#	0.5	U		0.51		#	0.5	U		0.5	U	
Trichlorofluoromethane	ug/L	110	0.5	U		0.5	U		0.12	J	#	0.5	U		0.5	U		0.5	U	
Vinyl Chloride	ug/L	0.25	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
DESA 2009 Wet Chemistry Analysis																				
Nitrate	mg/L	N/A	4		~	4.1		~				2.8		~				3.7		~
Nitrite	mg/L	N/A	0.05	U		0.05	U					0.05	U					0.05	U	
Hardness As CaCO3	mg/L	N/A	240	J	~	230	J	~				160	J	~				200	J	~
Methane	ug/L	N/A	2	U		2	U					2	U					2	U	
Ethene	ug/L	N/A	2	U		2	U					2	U					2	U	
Ethane	ug/L	N/A	2	U		2	U					2	U					2	U	
Nitrogen, Ammonia	mg/L	N/A	0.05	U		0.05	U					0.05	U					0.05	U	
Total Organic Carbon	mg/L	N/A	1	U		1	U					1	U					1	U	
Total Suspended Solids	mg/L	N/A	10	U		10	U					10	U					10	U	
Sulfide	mg/L	N/A	0.01	U		0.01	U					0.01	U					0.01	U	
Alkalinity, Total (as CaCO3)	mg/L	N/A	230		~	230		~				160		~				180		~
Chloride	mg/L	N/A	38		~	39		~				25		~				32		~
Sulfate	mg/L	N/A	7.6		~	8.1		~				8.7		~				9.1		~
Total Dissolved Solids	mg/L	N/A	370		~	360		~				270		~				320		~

Groundwater Sample Results Full Table - Stage 1
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-5-P6-S1			MPW-5-P7-S1			MPW-6-P1-S1			MPW-6-P2-S1			MPW-6-P3-S1			MPW-6-P4-S1		
		Location	MPW-5			MPW-5			MPW-6			MPW-6			MPW-6			MPW-6		
		Sample Date	1/14/2009			1/15/2009			1/20/2009			1/20/2009			1/20/2009			1/19/2009		
		Depth	277 to 287 ft			302 to 324 ft			154 to 164 ft			172 to 182 ft			190 to 200 ft			215 to 225 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Nitrogen, Total Kjeldahl	mg/L	N/A	0.9		~	0.54		~				0.1	U					0.1	U	
PCBs																				
Aroclor-1016	ug/L	0.00064	1	U		1	U		0.98	U		0.91	U		0.95	U		1	U	
Aroclor-1221	ug/L	0.00064	1	U		1	U		0.98	U		0.91	U		0.95	U		1	U	
Aroclor-1232	ug/L	0.00064	1	U		1	U		0.98	U		0.91	U		0.95	U		1	U	
Aroclor-1242	ug/L	0.00064	1	U		1	U		0.98	U		0.91	U		0.95	U		1	U	
Aroclor-1248	ug/L	0.00064	1	U		1	U		0.98	U		0.91	U		0.95	U		1	U	
Aroclor-1254	ug/L	0.00064	1	U		1	U		0.98	U		0.91	U		0.95	U		1	U	
Aroclor-1260	ug/L	0.00064	1	U		1	U		0.98	U		0.91	U		0.95	U		1	U	
Aroclor-1262	ug/L	0.00064	1	U		1	U		0.98	U		0.91	U		0.95	U		1	U	
Aroclor-1268	ug/L	0.00064	1	U		1	U		0.98	U		0.91	U		0.95	U		1	U	
Pesticides																				
alpha-BHC	ug/L	0.03	0.01	U		0.01	U		0.01	U		0.01	U		0.01	U		0.01	U	
beta-BHC	ug/L	0.09	0.01	U		0.01	U		0.01	U		0.01	U		0.01	U		0.01	U	
delta-BHC	ug/L	N/A	0.042	NJ	~	0.01	U		0.01	U		0.015	R		0.01	U		0.01	U	
gamma-BHC (Lindane)	ug/L	0.2	0.01	U		0.01	R		0.01	U		0.01	U		0.01	U		0.01	U	
Heptachlor	ug/L	0.00079	0.01	U		0.01	U		0.01	U		0.01	U		0.01	U		0.01	U	
Aldrin	ug/L	0.00049	0.01	U		0.01	U		0.01	U		0.01	U		0.01	U		0.01	U	
Heptachlor epoxide	ug/L	0.2	0.01	U		0.01	U		0.01	U		0.01	U		0.01	U		0.01	U	
Endosulfan I	ug/L	62	0.01	U		0.01	U		0.01	U		0.01	U		0.01	U		0.01	U	
Dieldrin	ug/L	0.00052	0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U	
4,4'-DDE	ug/L	0.0022	0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U	
Endrin	ug/L	0.06	0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U	
Endosulfan II	ug/L	62	0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U	
4,4'-DDD	ug/L	0.0022	0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U	
Endosulfan sulfate	ug/L	62	0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U	
4,4'-DDT	ug/L	0.0022	0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U	
Methoxychlor	ug/L	40	0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U	
Endrin ketone	ug/L	0.06	0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U	
Endrin aldehyde	ug/L	0.29	0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U	
alpha-Chlordane	ug/L	0.01	0.01	U		0.01	U		0.01	U		0.01	U		0.01	U		0.01	U	
gamma-Chlordane	ug/L	0.01	0.01	U		0.01	U		0.01	U		0.01	U		0.01	U		0.01	U	

Groundwater Sample Results Full Table - Stage 1
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		Sample Code	MPW-5-P6-S1			MPW-5-P7-S1			MPW-6-P1-S1			MPW-6-P2-S1			MPW-6-P3-S1			MPW-6-P4-S1		
		Location	MPW-5			MPW-5			MPW-6			MPW-6			MPW-6			MPW-6		
		Sample Date	1/14/2009			1/15/2009			1/20/2009			1/20/2009			1/20/2009			1/19/2009		
		Depth	277 to 287 ft			302 to 324 ft			154 to 164 ft			172 to 182 ft			190 to 200 ft			215 to 225 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Toxaphene	ug/L	0.0028	1	U		1	U		1	U		1	U		1	U		1	U	
Semi-Volatile Organic Compounds																				
1,1'-Biphenyl	ug/L	0.08	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
1,2,4,5-Tetrachlorobenzene	ug/L	0.12	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
2,2'-oxybis(1-Chloropropane)	ug/L	1400	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
2,4,5-Trichlorophenol	ug/L	89	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
2,4,6-Trichlorophenol	ug/L	14	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
2,4-Dichlorophenol	ug/L	77	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
2,4-Dimethylphenol	ug/L	380	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
2,4-Dinitrophenol	ug/L	69	11	U		10	U		9.3	U		10	U		9.1	U		10	U	
2,4-Dinitrotoluene	ug/L	1.1	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
2,6-Dinitrotoluene	ug/L	1.5	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
2-Chloronaphthalene	ug/L	1000	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
2-Chlorophenol	ug/L	81	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
2-Methylnaphthalene	ug/L	2.7	0.11	U		0.1	U		0.093	U		0.1	U		0.091	U		0.1	U	
2-Methylphenol	ug/L	72	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
2-Nitroaniline	ug/L	15	11	U		10	U		9.3	U		10	U		9.1	U		10	U	
2-Nitrophenol	ug/L	N/A	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
3,3'-Dichlorobenzidine	ug/L	0.21	5.3	U		5	U		4.7	UJ		5	U		4.5	U		5	U	
3-Nitroaniline	ug/L	N/A	11	U		10	U		9.3	U		10	U		9.1	U		10	U	
4,6-Dinitro-2-methylphenol	ug/L	13	11	U		10	U		9.3	U		10	U		9.1	U		10	U	
4-Bromophenyl-phenylether	ug/L	N/A	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
4-Chloro-3-methylphenol	ug/L	110	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
4-Chloroaniline	ug/L	0.32	5.3	U		5	U		4.7	UJ		5	U		4.5	U		5	U	
4-Chlorophenyl-phenylether	ug/L	N/A	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
4-Methylphenol	ug/L	140	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
4-Nitroaniline	ug/L	3.3	11	U		10	U		9.3	U		10	U		9.1	U		10	U	
4-Nitrophenol	ug/L	N/A	11	U		10	U		9.3	U		10	U		9.1	U		10	U	
Acenaphthene	ug/L	670	0.11	U		0.1	U		0.093	U		0.1	U		0.091	U		0.1	U	
Acenaphthylene	ug/L	N/A	0.11	U		0.1	U		0.093	U		0.1	U		0.091	U		0.1	U	
Acetophenone	ug/L	150	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
Anthracene	ug/L	8300	0.11	U		0.1	U		0.093	U		0.1	U		0.091	U		0.1	U	
Atrazine	ug/l	3	3.2	U		3	U		2.8	U		3	U		2.7	U		3	U	

Groundwater Sample Results Full Table - Stage 1
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		Sample Code	MPW-5-P6-S1			MPW-5-P7-S1			MPW-6-P1-S1			MPW-6-P2-S1			MPW-6-P3-S1			MPW-6-P4-S1		
		Location	MPW-5			MPW-5			MPW-6			MPW-6			MPW-6			MPW-6		
		Sample Date	1/14/2009			1/15/2009			1/20/2009			1/20/2009			1/20/2009			1/19/2009		
		Depth	277 to 287 ft			302 to 324 ft			154 to 164 ft			172 to 182 ft			190 to 200 ft			215 to 225 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/L	150	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
Benzo(a)anthracene	ug/L	0.04	0.11	U		0.1	U		0.093	U		0.1	U		0.091	U		0.1	U	
Benzo(a)pyrene	ug/L	0.04	0.11	U		0.1	U		0.093	U		0.1	U		0.091	U		0.1	U	
Benzo(b)fluoranthene	ug/L	0.04	0.11	U		0.1	U		0.093	U		0.1	U		0.091	U		0.1	U	
Benzo(g,h,i)perylene	ug/L	N/A	0.11	U		0.1	U		0.093	U		0.1	U		0.091	U		0.1	U	
Benzo(k)fluoranthene	ug/L	0.04	0.11	U		0.1	U		0.093	U		0.1	U		0.091	U		0.1	U	
bis(2-Chloroethoxy)methane	ug/L	4.7	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
bis(2-Chloroethyl) ether	ug/L	0.3	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
bis(2-Ethylhexyl) phthalate	ug/L	12	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
Butylbenzylphthalate	ug/L	1500	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
Caprolactam	ug/L	770	5.3	U		5	U		80		#	7		#	4.5	U		1.4	J	#
Carbazole	ug/L	N/A	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
Chlorophenols	ug/L	17	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
Chrysene	ug/L	0.04	0.11	U		0.1	U		0.093	U		0.1	U		0.091	U		0.1	U	
Dibenz(a,h)anthracene	ug/L	0.04	0.11	U		0.1	U		0.093	U		0.1	U		0.091	U		0.1	U	
Dibenzofuran	ug/L	0.58	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
Diethylphthalate	ug/L	17000	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
Dimethylphthalate	ug/L	270000	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
Di-n-butylphthalate	ug/L	2000	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
Di-n-octylphthalate	ug/L	N/A	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
Fluoranthene	ug/L	130	0.11	U		0.1	U		0.093	U		0.1	U		0.091	U		0.1	U	
Fluorene	ug/L	1100	0.11	U		0.1	U		0.093	U		0.1	U		0.091	U		0.1	U	
Hexachlorobenzene	ug/l	0.0028	1.1	U		1	U		0.93	U		1	U		0.91	U		1	U	
Hexachlorobutadiene	ug/L	4.4	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
Hexachlorocyclopentadiene	ug/L	40	5.3	U		5	U		4.7	UJ		5	U		4.5	U		5	U	
Hexachloroethane	ug/L	14	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
Indeno(1,2,3-cd)pyrene	ug/L	0.04	0.11	U		0.1	U		0.093	U		0.1	U		0.091	U		0.1	U	
Isophorone	ug/L	350	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
Naphthalene	ug/L	0.14	0.11	U		0.1	U		0.093	U		0.1	U		0.091	U		0.1	U	
Nitrobenzene	ug/L	17	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
n-Nitroso-di-n-propylamine	ug/L	0.05	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
n-Nitrosodiphenylamine	ug/L	33	5.3	U		5	U		4.7	U		5	U		4.5	U		5	U	
Pentachlorophenol	ug/L	1	0.21	U		0.2	U		0.19	U		0.2	U		0.18	U		0.2	U	
Phenanthrene	ug/L	N/A	0.11	U		0.1	U		0.093	U		0.1	U		0.091	U		0.1	U	

Groundwater Sample Results Full Table - Stage 1
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-5-P6-S1			MPW-5-P7-S1			MPW-6-P1-S1			MPW-6-P2-S1			MPW-6-P3-S1			MPW-6-P4-S1		
		Location	MPW-5			MPW-5			MPW-6			MPW-6			MPW-6			MPW-6		
		Sample Date	1/14/2009			1/15/2009			1/20/2009			1/20/2009			1/20/2009			1/19/2009		
		Depth	277 to 287 ft			302 to 324 ft			154 to 164 ft			172 to 182 ft			190 to 200 ft			215 to 225 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Phenol	ug/L	21000	5.3	U		5	U		4.1	J	#	5	U		4.5	U		5	U	
Pyrene	ug/L	830	0.11	U		0.1	U		0.093	U		0.1	U		0.091	U		0.1	U	
Inorganic Analytes																				
Aluminum	ug/L	1600	200	U		200	U		200	U		200	U		200	U		200	U	
Antimony	ug/L	5.6	4	U		2	U		2	U		2	U		2	U		2	U	
Arsenic	ug/L	10	**15**		A	**36.2**		A	**140**		A	**23.9**		A	1.6		#	**16.3**		A
Barium	ug/L	2000	7.2	J	#	0.13	J	#	39.3	J	#	2.9	J	#	0.48	J	#	19.4	J	#
Beryllium	ug/L	4	2	U		1	U		1	U		1	U		1	U		1	U	
Cadmium	ug/L	5	2	U		1	U		1	U		1	U		1	U		1	U	
Calcium	ug/L	N/A	64800		~	62400		~	41800		~	38100		~	35700		~	47200		~
Chromium	ug/L	100	10	U		10	U		10	U		10	U		10	U		10	U	
Cobalt	ug/L	0.47	50	U		50	U		50	U		50	U		50	U		50	U	
Copper	ug/L	1300	25	U		0.7	J	#	1.5	J	#	0.97	J	#	0.76	J	#	2.4	J	#
Iron	ug/L	1100	100	U		100	U		100	U		100	U		100	U		100	U	
Lead	ug/L	15	10	U		10	U		10	U		10	U		10	U		2	J	#
Magnesium	ug/L	N/A	19000		~	19200		~	15100		~	15900		~	16300		~	17600		~
Manganese	ug/L	32	4.3	J	#	24.1		#	**321**		A	**43.8**	J	A	6.1	J	#	8.5	J	#
Mercury	ug/L	0.05	**0.17**	J	A	0.2	U		**0.12**	J	A	0.2	U		0.2	U		0.2	U	
Nickel	ug/L	610	40	U		0.61	J	#	0.83	J	#	0.8	J	#	40	U		40	U	
Potassium	ug/L	N/A	1180	J	~	840	J	~	1400	J	~	1350	J	~	1370	J	~	1550	J	~
Selenium	ug/L	50	1.3	J	#	1	J	#	0.72	J	#	0.75	J	#	0.69	J	#	0.79	J	#
Silver	ug/L	7.1	10	U		10	U		10	U		10	U		10	U		10	U	
Sodium	ug/L	N/A	21200		~	23900		~	19400		~	16700		~	17000		~	19700		~
Thallium	ug/L	0.24	2	U		1	U		1	U		1	U		1	U		0.0081	J	#
Vanadium	ug/L	7.8	**24**	J	A	**24.2**	J	A	**22**	J	A	**22.9**	J	A	**22.6**	J	A	**19.2**	J	A
Zinc	ug/L	470	60	U		60	U		60	U		60	U		60	U		9.8	J	#
Cyanide	ug/L	200	10	U		10	U		10	U		10	U		10	U		10	U	

Groundwater Sample Results Full Table - Stage 1
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-5-P6-S1			MPW-5-P7-S1			MPW-6-P1-S1			MPW-6-P2-S1			MPW-6-P3-S1			MPW-6-P4-S1		
		Location	MPW-5			MPW-5			MPW-6			MPW-6			MPW-6			MPW-6		
		Sample Date	1/14/2009			1/15/2009			1/20/2009			1/20/2009			1/20/2009			1/19/2009		
		Depth	277 to 287 ft			302 to 324 ft			154 to 164 ft			172 to 182 ft			190 to 200 ft			215 to 225 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criter

ug/L - microgram per liter

mg/L - milligram per liter

U - non-detect

J - estimated value

R - rejected data

PCB - Polychlorinated Biphenyl

N/A - not applicable

Q - Qualifier

C - Comparison Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud)

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

R2-0008697

Groundwater Sample Results Full Table - Stage 1
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-6-P5-S1			MPW-6-P6-S1			MPW-6-P7-S1		
		Location	MPW-6			MPW-6			MPW-6		
		Sample Date	1/19/2009			1/19/2009			1/19/2009		
		Depth	236 to 246 ft			260 to 270 ft			294 to 304 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds											
1,1,1-Trichloroethane	ug/L	200	0.5	U		0.5	U		0.5	U	
1,1,2,2-Tetrachloroethane	ug/L	1.7	0.5	U		0.5	U		0.5	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	5300	0.5	U		0.5	U		0.5	U	
1,1,2-Trichloroethane	ug/L	5	0.5	U		0.5	U		0.5	U	
1,1-Dichloroethane	ug/L	2.4	0.55		#	0.5	U		0.5	U	
1,1-Dichloroethene	ug/L	7	5.3	J	#	2.7		#	3.3		#
1,2,3-Trichlorobenzene	ug/L	0.52	0.5	U		0.5	U		0.5	U	
1,2,4-Trichlorobenzene	ug/L	35	0.5	U		0.5	U		0.5	U	
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.05	U		0.05	U		0.05	U	
1,2-Dibromoethane	ug/L	0.05	0.05	U		0.05	U		0.05	U	
1,2-Dichlorobenzene	ug/L	420	0.5	U		0.5	U		0.14	J	#
1,2-Dichloroethane	ug/L	3.8	0.5	U		0.5	U		0.5	U	
1,2-Dichloropropane	ug/L	5	0.5	U		0.5	U		0.5	U	
1,3-Dichlorobenzene	ug/L	320	0.5	U		0.5	U		0.18	J	#
1,4-Dichlorobenzene	ug/L	63	0.5	U		0.5	U		0.23	J	#
2-Butanone	ug/L	490	2.4	J	#	5	U		5	U	
2-Hexanone	ug/L	3.4	5	U		5	U		5	U	
4-Methyl-2-pentanone	ug/L	100	5	U		5	U		5	U	
Acetone	ug/L	1200	5	U		5	U		5	U	
Benzene	ug/L	5	0.12	J	#	0.5	U		0.5	U	
Bromodichloromethane	ug/L	5.5	0.2	J	#	0.5	U		0.19	J	#
Bromoform	ug/L	43	0.5	U		0.5	U		0.5	U	
Bromomethane	ug/L	47	0.5	U		0.5	U		0.5	U	
Carbon Disulfide	ug/L	72	0.5	U		0.5	U		0.12	J	#
Carbon Tetrachloride	ug/L	2.3	0.5	U		0.5	U		0.13	J	#
Chlorobenzene	ug/L	100	0.5	U		0.5	U		0.1	J	#
Chlorobromomethane	ug/L	8.3	0.36	J	#	0.5	U		0.5	U	
Chloroethane	ug/L	2100	0.5	U		0.5	U		0.5	U	
Chloroform	ug/L	57	11		#	1		#	1.2		#
Chloromethane	ug/L	19	0.5	U		0.5	U		0.5	U	
cis-1,2-Dichloroethene	ug/L	70	0.5	U		0.5	U		0.5	U	
cis-1,3-Dichloropropene	ug/L	3.4	0.21	J	#	0.5	U		0.5	U	
Cyclohexane	ug/L	1300	0.5	U		0.5	U		0.5	U	

Groundwater Sample Results Full Table - Stage 1
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-6-P5-S1			MPW-6-P6-S1			MPW-6-P7-S1		
		Location	MPW-6			MPW-6			MPW-6		
		Sample Date	1/19/2009			1/19/2009			1/19/2009		
		Depth	236 to 246 ft			260 to 270 ft			294 to 304 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Dibromochloromethane	ug/L	4	0.16	J	#	0.5	U		0.5	U	
Dichlorodifluoromethane	ug/L	19	0.5	U		0.5	U		0.26	J	#
Ethylbenzene	ug/L	530	0.5	U		0.5	U		0.17	J	#
Isopropylbenzene	ug/L	39	0.5	U		0.5	U		0.12	J	#
m,p-Xylene	ug/L	10000	0.5	U		0.5	U		0.26	J	#
Methyl Acetate	ug/L	1600	0.5	U		0.5	U		0.5	U	
Methyl tert-Butyl Ether	ug/L	12	0.1	J	#	0.5	U		0.5	U	
Methylene Chloride	ug/L	46	0.5	U		0.5	U		0.5	U	
Metylcyclohexane	ug/L	N/A	0.5	U		0.5	U		0.21	J	~
o-Xylene	ug/L	10000	0.5	U		0.5	U		0.13	J	#
Styrene	ug/L	100	0.5	U		0.5	U		0.5	U	
Tetrachloroethene	ug/L	5	0.14	J	#	0.26	J	#	0.36	J	#
Toluene	ug/L	1000	57		#	0.94		#	9		#
trans-1,2-Dichloroethene	ug/L	100	0.5	U		0.5	U		0.5	U	
trans-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	U	
Trichloroethene	ug/L	5	0.13	J	#	0.5	U		0.16	J	#
Trichlorofluoromethane	ug/L	110	0.5	U		0.5	U		0.5	U	
Vinyl Chloride	ug/L	0.25	0.5	U		0.5	U		0.5	U	
DESA 2009 Wet Chemistry Analysis											
Nitrate	mg/L	N/A	3.6		~				3.2		~
Nitrite	mg/L	N/A	0.05	U					0.05	U	
Hardness As CaCO3	mg/L	N/A	220	J	~				250	J	~
Methane	ug/L	N/A	2	U					2	U	
Ethene	ug/L	N/A	2	U					2	U	
Ethane	ug/L	N/A	2	U					3.2	K	~
Nitrogen, Ammonia	mg/L	N/A	0.05	U					0.05	U	
Total Organic Carbon	mg/L	N/A	2.7		~				1.2		~
Total Suspended Solids	mg/L	N/A	10	U					10	U	
Sulfide	mg/L	N/A	0.01	U					0.01	U	
Alkalinity, Total (as CaCO3)	mg/L	N/A	210		~				230		~
Chloride	mg/L	N/A	35		~				35		~
Sulfate	mg/L	N/A	12		~				13		~
Total Dissolved Solids	mg/L	N/A	350		~				380		~

Groundwater Sample Results Full Table - Stage 1
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-6-P5-S1			MPW-6-P6-S1			MPW-6-P7-S1		
		Location	MPW-6			MPW-6			MPW-6		
		Sample Date	1/19/2009			1/19/2009			1/19/2009		
		Depth	236 to 246 ft			260 to 270 ft			294 to 304 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Nitrogen, Total Kjeldahl	mg/L	N/A	0.43		~				0.24		~
PCBs											
Aroclor-1016	ug/L	0.00064	1	U		0.91	U		0.95	U	
Aroclor-1221	ug/L	0.00064	1	U		0.91	U		0.95	U	
Aroclor-1232	ug/L	0.00064	1	U		0.91	U		0.95	U	
Aroclor-1242	ug/L	0.00064	1	U		0.91	U		0.95	U	
Aroclor-1248	ug/L	0.00064	1	U		0.91	U		0.95	U	
Aroclor-1254	ug/L	0.00064	1	U		0.91	U		0.95	U	
Aroclor-1260	ug/L	0.00064	1	U		0.91	U		0.95	U	
Aroclor-1262	ug/L	0.00064	1	U		0.91	U		0.95	U	
Aroclor-1268	ug/L	0.00064	1	U		0.91	U		0.95	U	
Pesticides											
alpha-BHC	ug/L	0.03	0.01	U		0.01	U		0.01	U	
beta-BHC	ug/L	0.09	0.01	U		0.01	U		0.01	U	
delta-BHC	ug/L	N/A	0.01	U		0.01	U		0.01	U	
gamma-BHC (Lindane)	ug/L	0.2	0.01	U		0.01	U		0.01	U	
Heptachlor	ug/L	0.00079	0.01	U		0.01	U		0.01	U	
Aldrin	ug/L	0.00049	0.01	U		0.01	U		0.01	U	
Heptachlor epoxide	ug/L	0.2	0.01	U		0.01	U		0.01	U	
Endosulfan I	ug/L	62	0.01	U		0.01	U		0.01	U	
Dieldrin	ug/L	0.00052	0.02	U		0.02	U		0.02	U	
4,4'-DDE	ug/L	0.0022	0.02	U		0.02	U		0.02	U	
Endrin	ug/L	0.06	0.02	U		0.02	U		0.02	U	
Endosulfan II	ug/L	62	0.02	U		0.02	U		0.02	U	
4,4'-DDD	ug/L	0.0022	0.02	U		0.02	U		0.02	U	
Endosulfan sulfate	ug/L	62	0.02	U		0.02	U		0.02	U	
4,4'-DDT	ug/L	0.0022	0.02	U		0.2	U		0.02	U	
Methoxychlor	ug/L	40	0.1	U		0.1	U		0.1	U	
Endrin ketone	ug/L	0.06	0.02	U		0.02	U		0.02	U	
Endrin aldehyde	ug/L	0.29	0.02	U		0.02	U		0.02	U	
alpha-Chlordane	ug/L	0.01	0.01	U		0.01	U		0.01	U	
gamma-Chlordane	ug/L	0.01	0.01	U		0.01	U		0.01	U	

Groundwater Sample Results Full Table - Stage 1
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-6-P5-S1			MPW-6-P6-S1			MPW-6-P7-S1		
		Location	MPW-6			MPW-6			MPW-6		
		Sample Date	1/19/2009			1/19/2009			1/19/2009		
		Depth	236 to 246 ft			260 to 270 ft			294 to 304 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Toxaphene	ug/L	0.0028	1	U		1	U		1	U	
Semi-Volatile Organic Compounds											
1,1'-Biphenyl	ug/L	0.08	5	U		5	U		4.9	U	
1,2,4,5-Tetrachlorobenzene	ug/L	0.12	5	U		5	U		4.9	U	
2,2'-oxybis(1-Chloropropane)	ug/L	1400	5	U		5	U		4.9	U	
2,4,5-Trichlorophenol	ug/L	89	5	U		5	U		4.9	U	
2,4,6-Trichlorophenol	ug/L	14	5	U		5	U		4.9	U	
2,4-Dichlorophenol	ug/L	77	5	U		5	U		4.9	U	
2,4-Dimethylphenol	ug/L	380	5	U		5	U		4.9	U	
2,4-Dinitrophenol	ug/L	69	10	U		10	U		9.8	U	
2,4-Dinitrotoluene	ug/L	1.1	5	U		5	U		4.9	U	
2,6-Dinitrotoluene	ug/L	1.5	5	U		5	U		4.9	U	
2-Chloronaphthalene	ug/L	1000	5	U		5	U		4.9	U	
2-Chlorophenol	ug/L	81	5	U		5	U		4.9	U	
2-Methylnaphthalene	ug/L	2.7	0.1	U		0.1	U		0.098	U	
2-Methylphenol	ug/L	72	5	U		5	U		4.9	U	
2-Nitroaniline	ug/L	15	10	U		10	U		9.8	U	
2-Nitrophenol	ug/L	N/A	5	U		5	U		4.9	U	
3,3'-Dichlorobenzidine	ug/L	0.21	5	U		5	U		4.9	U	
3-Nitroaniline	ug/L	N/A	10	U		10	U		9.8	U	
4,6-Dinitro-2-methylphenol	ug/L	13	10	U		10	U		9.8	U	
4-Bromophenyl-phenylether	ug/L	N/A	5	U		5	U		4.9	U	
4-Chloro-3-methylphenol	ug/L	110	5	U		5	U		4.9	U	
4-Chloroaniline	ug/L	0.32	5	U		5	U		4.9	U	
4-Chlorophenyl-phenylether	ug/L	N/A	5	U		5	U		4.9	U	
4-Methylphenol	ug/L	140	5	U		5	U		4.9	U	
4-Nitroaniline	ug/L	3.3	10	U		10	U		9.8	U	
4-Nitrophenol	ug/L	N/A	10	U		10	U		9.8	U	
Acenaphthene	ug/L	670	0.1	U		0.1	U		0.098	U	
Acenaphthylene	ug/L	N/A	0.1	U		0.1	U		0.098	U	
Acetophenone	ug/L	150	5	U		5	U		4.9	U	
Anthracene	ug/L	8300	0.1	U		0.1	U		0.098	U	
Atrazine	ug/l	3	3	U		3	U		2.9	U	

Groundwater Sample Results Full Table - Stage 1
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-6-P5-S1			MPW-6-P6-S1			MPW-6-P7-S1		
		Location	MPW-6			MPW-6			MPW-6		
		Sample Date	1/19/2009			1/19/2009			1/19/2009		
		Depth	236 to 246 ft			260 to 270 ft			294 to 304 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Benzaldehyde	ug/L	150	5	U		5	U		4.9	U	
Benzo(a)anthracene	ug/L	0.04	0.1	U		0.1	U		0.098	U	
Benzo(a)pyrene	ug/L	0.04	0.1	U		0.1	U		0.098	U	
Benzo(b)fluoranthene	ug/L	0.04	0.1	U		0.1	U		0.098	U	
Benzo(g,h,i)perylene	ug/L	N/A	0.1	U		0.1	U		0.098	U	
Benzo(k)fluoranthene	ug/L	0.04	0.1	U		0.1	U		0.098	U	
bis(2-Chloroethoxy)methane	ug/L	4.7	5	U		5	U		4.9	U	
bis(2-Chloroethyl) ether	ug/L	0.3	5	U		5	U		4.9	U	
bis(2-Ethylhexyl) phthalate	ug/L	12	5	U		5	U		4.9	U	
Butylbenzylphthalate	ug/L	1500	5	U		5	U		4.9	U	
Caprolactam	ug/L	770	9.6		#	5	U		6.1		#
Carbazole	ug/L	N/A	5	U		5	U		4.9	U	
Chlorophenols	ug/L	17	5	U		5	U		4.9	U	
Chrysene	ug/L	0.04	0.1	U		0.1	U		0.098	U	
Dibenz(a,h)anthracene	ug/L	0.04	0.1	U		0.1	U		0.098	U	
Dibenzofuran	ug/L	0.58	5	U		5	U		4.9	U	
Diethylphthalate	ug/L	17000	5	U		5	U		4.9	U	
Dimethylphthalate	ug/L	270000	5	U		5	U		4.9	U	
Di-n-butylphthalate	ug/L	2000	5	U		5	U		4.9	U	
Di-n-octylphthalate	ug/L	N/A	5	U		5	U		4.9	U	
Fluoranthene	ug/L	130	0.1	U		0.1	U		0.098	U	
Fluorene	ug/L	1100	0.1	U		0.1	U		0.098	U	
Hexachlorobenzene	ug/l	0.0028	1	U		1	U		0.98	U	
Hexachlorobutadiene	ug/L	4.4	5	U		5	U		4.9	U	
Hexachlorocyclopentadiene	ug/L	40	5	U		5	U		4.9	U	
Hexachloroethane	ug/L	14	5	U		5	U		4.9	U	
Indeno(1,2,3-cd)pyrene	ug/L	0.04	0.1	U		0.1	U		0.098	U	
Isophorone	ug/L	350	5	U		5	U		4.9	U	
Naphthalene	ug/L	0.14	0.1	U		0.1	U		0.098	U	
Nitrobenzene	ug/L	17	5	U		5	U		4.9	U	
n-Nitroso-di-n-propylamine	ug/L	0.05	5	U		5	U		4.9	U	
n-Nitrosodiphenylamine	ug/L	33	5	U		5	U		4.9	U	
Pentachlorophenol	ug/L	1	0.2	U		0.2	U		2	U	
Phenanthrene	ug/L	N/A	0.1	U		0.1	U		0.098	U	

Groundwater Sample Results Full Table - Stage 1
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-6-P5-S1			MPW-6-P6-S1			MPW-6-P7-S1		
		Location	MPW-6			MPW-6			MPW-6		
		Sample Date	1/19/2009			1/19/2009			1/19/2009		
		Depth	236 to 246 ft			260 to 270 ft			294 to 304 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Phenol	ug/L	21000	5.1		#	5	U		4.9	U	
Pyrene	ug/L	830	0.1	U		0.1	U		0.098	U	
Inorganic Analytes											
Aluminum	ug/L	1600	200	U		200	U		200	U	
Antimony	ug/L	5.6	2.5		#	2	U		2	U	
Arsenic	ug/L	10	**64.2**		A	7.2		#	**73.7**		A
Barium	ug/L	2000	6.2	J	#	200	U		5.4	J	#
Beryllium	ug/L	4	1	U		1	U		1	U	
Cadmium	ug/L	5	1	U		1	U		1	U	
Calcium	ug/L	N/A	59000		~	70400		~	69600		~
Chromium	ug/L	100	10	U		10	U		10	U	
Cobalt	ug/L	0.47	50	U		50	U		50	U	
Copper	ug/L	1300	1.5	J	#	25	U		25	U	
Iron	ug/L	1100	100	U		100	U		100	U	
Lead	ug/L	15	10	U		10	U		10	U	
Magnesium	ug/L	N/A	16200		~	18300		~	15800		~
Manganese	ug/L	32	21.5		#	15	U		**103**		A
Mercury	ug/L	0.05	0.2	U		0.2	U		0.2	U	
Nickel	ug/L	610	40	U		40	U		40	U	
Potassium	ug/L	N/A	1250	J	~	1180	J	~	1020	J	~
Selenium	ug/L	50	0.87	J	#	0.88	J	#	0.89	J	#
Silver	ug/L	7.1	10	U		10	U		10	U	
Sodium	ug/L	N/A	24300		~	22500		~	24000		~
Thallium	ug/L	0.24	1	U		1	U		0.012	J	#
Vanadium	ug/L	7.8	**20.8**	J	A	**21.1**	J	A	**17.9**	J	A
Zinc	ug/L	470	60	U		60	U		60	U	
Cyanide	ug/L	200	10	U		10	U		10	U	

Groundwater Sample Results Full Table - Stage 1
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

			Sample Code	MPW-6-P5-S1			MPW-6-P6-S1			MPW-6-P7-S1		
			Location	MPW-6			MPW-6			MPW-6		
			Sample Date	1/19/2009			1/19/2009			1/19/2009		
			Depth	236 to 246 ft			260 to 270 ft			294 to 304 ft		
Chemical Name	Unit	SC		Result	Q	C	Result	Q	C	Result	Q	C

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criter

ug/L - microgram per liter

mg/L - milligram per liter

U - non-detect

J - estimated value

R - rejected data

PCB - Polychlorinated Biphenyl

N/A - not applicable

Q - Qualifier

C - Comparison Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud)

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

Groundwater Sample Results Full Table - Stage 2
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CIDRA-3-S2			CIDRA-4-S2			CIDRA-6-S2			CIDRA-8-S2			IVAX-2-S2			IVAX-abandon-S2		
		Location	Cidra 3			Cidra 4			Cidra 6			Cidra 8			IVAX 2			IVAX (former)		
		Sample Date	7/27/2010			7/27/2010			7/28/2010			7/28/2010			7/23/2010			7/28/2010		
		Depth	0 to 73 ft			0 to 102 ft			0 to 250 ft			0 to 280 ft			to			to 218 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/L	19	0.43	J	#	0.5	U		0.1	J	#	0.5	U		0.5	U		0.5	U	
Chloromethane	ug/L	19	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Vinyl Chloride	ug/L	0.25	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromomethane	ug/L	47	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chloroethane	ug/L	2100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Trichlorofluoromethane	ug/L	110	0.085	J	#	0.5	U		0.5	U		0.089	J	#	0.5	U		0.5	U	
1,1-Dichloroethene	ug/L	7	0.5	U		0.5	U		0.5	U		0.5	U		**39**	J	A	0.5	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	5300	0.5	U		0.5	U		0.5	U		0.5	U		0.41	J	#	0.36	J	#
Acetone	ug/L	1200	5	U		5	U		5	U		5	U		5	U		5	U	
Carbon Disulfide	ug/L	72	0.5	U		0.5	U		0.18	J	#	0.5	U		0.5	U		0.5	U	
Methyl Acetate	ug/L	1600	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methylene Chloride	ug/L	46	0.5	U		0.5	U		0.085	J	#	0.5	U		0.5	U		0.14	J	#
trans-1,2-Dichloroethene	ug/L	100	0.5	U		0.5	U		0.5	U		0.45	J	#	0.5	U		0.5	U	
Methyl tert-Butyl Ether	ug/L	12	0.5	U		0.5	U		0.5	U		0.18	J	#	0.5	U		0.46	J	#
1,1-Dichloroethane	ug/L	2.4	0.5	U		0.5	U		0.5	U		0.5	U		**2.8**	J	A	**6.6**	J	A
cis-1,2-Dichloroethene	ug/L	70	0.5	U		0.5	U		0.5	U		16		#	0.5	U		0.06	J	#
2-Butanone	ug/L	490	5	U		5	U		5	U		5	U		5	U		5	U	
Chlorobromomethane	ug/L	8.3	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chloroform	ug/L	57	5.9		#	0.5	U		5.2		#	4.3		#	**68**	J	A	**210**	J	A
1,1,1-Trichloroethane	ug/L	200	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Cyclohexane	ug/L	1300	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Carbon Tetrachloride	ug/L	2.3	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Benzene	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichloroethane	ug/L	3.8	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,4-Dioxane	ug/L																			
Trichloroethene	ug/L	5	0.5	U		0.5	U		0.5	U		3.3		#	0.5	U		0.084	J	#
Metylcyclohexane	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichloropropane	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromodichloromethane	ug/L	5.5	0.21	J	#	0.5	U		0.42	J	#	0.1	J	#	0.44	J	#	0.86		#
cis-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	UJ		0.5	UJ		0.5	U		0.5	UJ	
4-Methyl-2-pentanone	ug/L	100	5	U		5	U		5	U		5	U		5	U		5	U	

Groundwater Sample Results Full Table - Stage 2
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CIDRA-3-S2			CIDRA-4-S2			CIDRA-6-S2			CIDRA-8-S2			IVAX-2-S2			IVAX-abandon-S2		
		Location	Cidra 3			Cidra 4			Cidra 6			Cidra 8			IVAX 2			IVAX (former)		
		Sample Date	7/27/2010			7/27/2010			7/28/2010			7/28/2010			7/23/2010			7/28/2010		
		Depth	0 to 73 ft			0 to 102 ft			0 to 250 ft			0 to 280 ft			to			to 218 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Toluene	ug/L	1000	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
trans-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	UJ		0.5	UJ		0.5	U		0.5	UJ	
1,1,2-Trichloroethane	ug/L	5	0.5	U		0.5	U		0.5	UJ		0.5	UJ		0.16	J	#	0.52	J	#
Tetrachloroethene	ug/L	5	1.4		#	0.5	U		0.21	J	#	**85**		A	0.78		#	1.6		#
2-Hexanone	ug/L	3.4	5	U		5	U		5	U		5	U		5	U		5	U	
Dibromochloromethane	ug/L	4	0.5	U		0.5	U		0.5	U		0.5	U		0.075	J	#	0.18	J	#
1,2-Dibromoethane	ug/L	0.05																		
Chlorobenzene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Ethylbenzene	ug/L	530	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
o-Xylene	ug/L	10000	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
m,p-Xylene	ug/L	10000	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Styrene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromoform	ug/L	43	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Isopropylbenzene	ug/L	39	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2,2-Tetrachloroethane	ug/L	1.7	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,3-Dichlorobenzene	ug/L	320	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,4-Dichlorobenzene	ug/L	63	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichlorobenzene	ug/L	420	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dibromo-3-chloropropane	ug/L	0.2																		
1,2,4-Trichlorobenzene	ug/L	35	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2,3-Trichlorobenzene	ug/L	0.52	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
DESA 2009 Wet Chemistry Analysis																				
1,2-Dibromoethane	ug/L	0.05	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U	
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U	
Nitrate	mg/L	N/A																		
Nitrite	mg/L	N/A																		
Hardness As CaCO3	mg/L	N/A	220		~	140		~	340		~	140		~	160		~	130		~
Methane	ug/L	N/A																		
Ethene	ug/L	N/A																		
Ethane	ug/L	N/A																		
Nitrogen, Ammonia	mg/L	N/A																		

Groundwater Sample Results Full Table - Stage 2
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CIDRA-3-S2			CIDRA-4-S2			CIDRA-6-S2			CIDRA-8-S2			IVAX-2-S2			IVAX-abandon-S2		
		Location	Cidra 3			Cidra 4			Cidra 6			Cidra 8			IVAX 2			IVAX (former)		
		Sample Date	7/27/2010			7/27/2010			7/28/2010			7/28/2010			7/23/2010			7/28/2010		
		Depth	0 to 73 ft			0 to 102 ft			0 to 250 ft			0 to 280 ft			to			to 218 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Total Organic Carbon	mg/L	N/A																		
Total Suspended Solids	mg/L	N/A																		
Sulfide	mg/L	N/A																		
Alkalinity, Total (as CaCO3)	mg/L	N/A																		
Chloride	mg/L	N/A																		
Sulfate	mg/L	N/A																		
Inorganic Analytes																				
Aluminum	ug/L	1600	100	U		100	U		100	U		100	U		100	U		100	U	
Antimony	ug/L	5.6	2	U		2	U		2	U		2	U		2	U		2	U	
Arsenic	ug/L	10	8	U		8	U		8	U		8	U		8	U		8	U	
Barium	ug/L	2000	100	U		120		#	100	U		140		#	100	U		280		#
Beryllium	ug/L	4	3	U		3	U		3	U		3	U		3	U		3	U	
Cadmium	UG/L	5	3	U		3	U		3	U		3	U		3	U		3	U	
Calcium	UG/L	N/A	46000		~	30000		~	100000		~	29000		~	39000		~	29000		~
Chromium	UG/L	100	5	U		5	U		5	U		7.9		#	5	U		5	U	
Cobalt	UG/L	0.47	20	U		20	U		20	U		20	U		20	U		20	U	
Copper	UG/L	1300	10	U		10	U		10	U		10	U		10	U		10	U	
Iron	ug/L	1100	**4000**		A	**20000**		A	150		#	**2700**		A	50	U		380		#
Lead	UG/L	15	8	U		8	U		8	U		8	U		8	U		8	U	
Magnesium	UG/L	N/A	25000		~	16000		~	21000		~	17000		~	16000		~	14000		~
Manganese	ug/L	32	**100**		A	**780**		A	5	U		11		#	5	U		5	U	
Mercury	ug/L	0.05	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Nickel	UG/L	610	20	U		20	U		20	U		20	U		20	U		20	U	
Potassium	UG/L	N/A	1900		~	2500		~	1900		~	2100		~	2000		~	2600		~
Selenium	UG/L	50	20	U		20	U		20	U		20	U		20	U		20	U	
Silver	UG/L	7.1	5	U		5	U		5	U		5	U		5	U		5	U	
Sodium	UG/L	N/A	22000		~	20000		~	47000		~	20000		~	20000		~	21000		~
Thallium	UG/L	0.24	1	U		1	U		1	U		1	U		1	U		1	U	
Vanadium	ug/L	7.8	20	U		20	U		20	U		**30**		A	**20**		A	20	U	
Zinc	UG/L	470	20	U		20	U		20	U		20	U		38		#	20	U	

Groundwater Sample Results Full Table - Stage 2
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	CIDRA-3-S2			CIDRA-4-S2			CIDRA-6-S2			CIDRA-8-S2			IVAX-2-S2			IVAX-abandon-S2		
		Location	Cidra 3			Cidra 4			Cidra 6			Cidra 8			IVAX 2			IVAX (former)		
		Sample Date	7/27/2010			7/27/2010			7/28/2010			7/28/2010			7/23/2010			7/28/2010		
		Depth	0 to 73 ft			0 to 102 ft			0 to 250 ft			0 to 280 ft			to			to 218 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/L - microgram per liter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

Q - Qualifier

C - Comparison Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

Groundwater Sample Results Full Table - Stage 2
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-1-P1-S2			MPW-1-P2-S2			MPW-1-P3-S2			MPW-1-P4-S2			MPW-1-P5-S2			MPW-1-P6-S2		
		Location	MPW-1			MPW-1			MPW-1			MPW-1			MPW-1			MPW-1		
		Sample Date	7/20/2010			7/20/2010			7/20/2010			7/20/2010			7/20/2010			7/20/2010		
		Depth	121 to 129 ft			132 to 144 ft			148 to 160 ft			228 to 237 ft			241 to 253 ft			276 to 283 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/L	19	0.5	U		0.14	J	#	0.16	J	#	0.38	J	#	0.71		#	0.26	J	#
Chloromethane	ug/L	19	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Vinyl Chloride	ug/L	0.25	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromomethane	ug/L	47	0.5	U		0.074	J	#	0.096	J	#	0.099	J	#	0.096	J	#	0.087	J	#
Chloroethane	ug/L	2100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Trichlorofluoromethane	ug/L	110	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1-Dichloroethene	ug/L	7	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	UJ	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	5300	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Acetone	ug/L	1200	5	U		5	U		5	U		5	U		5	U		5	U	
Carbon Disulfide	ug/L	72	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methyl Acetate	ug/L	1600	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methylene Chloride	ug/L	46	0.5	U		0.068	J	#	0.17	J	#	0.086	J	#	0.5	U		0.14	J	#
trans-1,2-Dichloroethene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	UJ	
Methyl tert-Butyl Ether	ug/L	12	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1-Dichloroethane	ug/L	2.4	0.5	U		0.5	U		0.08	J	#	0.5	U		0.5	U		0.5	U	
cis-1,2-Dichloroethene	ug/L	70	0.5	U		0.66		#	1.6		#	0.72		#	0.5	U		1.7	J	#
2-Butanone	ug/L	490	5	U		5	U		5	U		5	U		5	U		5	U	
Chlorobromomethane	ug/L	8.3	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chloroform	ug/L	57	2.9		#	3.7		#	4.7		#	7.2		#	10		#	2.9		#
1,1,1-Trichloroethane	ug/L	200	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Cyclohexane	ug/L	1300	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Carbon Tetrachloride	ug/L	2.3	0.21	J	#	0.4	J	#	0.37	J	#	0.74		#	1.5		#	0.5	U	
Benzene	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.56		#
1,2-Dichloroethane	ug/L	3.8	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,4-Dioxane	ug/L																			
Trichloroethene	ug/L	5	0.51		#	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Metylcyclohexane	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichloropropane	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromodichloromethane	ug/L	5.5	0.29	J	#	0.35	J	#	0.33	J	#	0.46	J	#	0.69		#	0.17	J	#
cis-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	UJ		0.5	UJ		0.5	UJ		0.5	UJ		0.5	UJ	
4-Methyl-2-pentanone	ug/L	100	5	U		5	U		5	U		5	U		5	U		5	U	

Groundwater Sample Results Full Table - Stage 2
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-1-P1-S2			MPW-1-P2-S2			MPW-1-P3-S2			MPW-1-P4-S2			MPW-1-P5-S2			MPW-1-P6-S2		
		Location	MPW-1			MPW-1			MPW-1			MPW-1			MPW-1			MPW-1		
		Sample Date	7/20/2010			7/20/2010			7/20/2010			7/20/2010			7/20/2010			7/20/2010		
		Depth	121 to 129 ft			132 to 144 ft			148 to 160 ft			228 to 237 ft			241 to 253 ft			276 to 283 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Toluene	ug/L	1000	0.24	J	#	0.25	J	#	1.7		#	0.15	J	#	0.12	J	#	18		#
trans-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	UJ		0.5	UJ		0.5	UJ		0.5	UJ		0.5	UJ	
1,1,2-Trichloroethane	ug/L	5	0.5	U		0.5	UJ		0.5	UJ		0.5	UJ		0.5	UJ		0.5	UJ	
Tetrachloroethene	ug/L	5	**12**		A	3.2		#	2		#	0.47	J	#	0.13	J	#	0.33	J	#
2-Hexanone	ug/L	3.4	5	U		5	U		5	U		5	U		5	U		5	U	
Dibromochloromethane	ug/L	4	0.5	U		0.084	J	#	0.082	J	#	0.077	J	#	0.093	J	#	0.5	U	
1,2-Dibromoethane	ug/L	0.05	0.5	U																
Chlorobenzene	ug/L	100	0.5	U		0.14	J	#	0.26	J	#	0.34	J	#	0.5	U		0.49	J	#
Ethylbenzene	ug/L	530	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
o-Xylene	ug/L	10000	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
m,p-Xylene	ug/L	10000	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.32	J	#
Styrene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromoform	ug/L	43	0.5	UJ		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Isopropylbenzene	ug/L	39	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2,2-Tetrachloroethane	ug/L	1.7	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,3-Dichlorobenzene	ug/L	320	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,4-Dichlorobenzene	ug/L	63	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichlorobenzene	ug/L	420	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.5	U																
1,2,4-Trichlorobenzene	ug/L	35	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2,3-Trichlorobenzene	ug/L	0.52	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
DESA 2009 Wet Chemistry Analysis																				
1,2-Dibromoethane	ug/L	0.05				0.05	U		0.05	U		0.05	U		0.05	U		0.05	U	
1,2-Dibromo-3-chloropropane	ug/L	0.2				0.05	U		0.05	U		0.05	U		0.05	U		0.05	U	
Nitrate	mg/L	N/A	6.7		~				7.5		~							8.9		~
Nitrite	mg/L	N/A	0.05	U					0.05	U								0.05	U	
Hardness As CaCO3	mg/L	N/A	220		~	240		~	260		~	280		~	280		~	280		~
Methane	ug/L	N/A	110		~				990		~							4300		~
Ethene	ug/L	N/A	2	U					2	U								2	U	
Ethane	ug/L	N/A	2	U					2	U								2	U	
Nitrogen, Ammonia	mg/L	N/A	0.05	U					0.05	U								0.05	U	

Groundwater Sample Results Full Table - Stage 2
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-1-P1-S2			MPW-1-P2-S2			MPW-1-P3-S2			MPW-1-P4-S2			MPW-1-P5-S2			MPW-1-P6-S2		
		Location	MPW-1			MPW-1			MPW-1			MPW-1			MPW-1			MPW-1		
		Sample Date	7/20/2010			7/20/2010			7/20/2010			7/20/2010			7/20/2010			7/20/2010		
		Depth	121 to 129 ft			132 to 144 ft			148 to 160 ft			228 to 237 ft			241 to 253 ft			276 to 283 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Total Organic Carbon	mg/L	N/A	1.3		~				3.2		~							11		~
Total Suspended Solids	mg/L	N/A	10	U					10	U								10	U	
Sulfide	mg/L	N/A	0.01	U					0.01	U								0.01	U	
Alkalinity, Total (as CaCO3)	mg/L	N/A	190		~				220		~							230		~
Chloride	mg/L	N/A	47		~				58		~							59		~
Sulfate	mg/L	N/A	9.7		~				11		~							9.4		~
Inorganic Analytes																				
Aluminum	ug/L	1600	100	U		100	U		100	U		160		#	100	U		100	U	
Antimony	ug/L	5.6	2	U		2	U		2	U		2	U		2	U		2	U	
Arsenic	ug/L	10	8	U		8	U		**11**		A	8	U		8	U		8	U	
Barium	ug/L	2000	100	U		100	U		100	U		100	U		100	U		100	U	
Beryllium	ug/L	4	3	U		3	U		3	U		3	U		3	U		3	U	
Cadmium	UG/L	5	3	U		3	U		3	U		3	U		3	U		3	U	
Calcium	UG/L	N/A	47000		~	55000		~	61000		~	67000		~	66000		~	71000		~
Chromium	UG/L	100	5	U		5	U		5	U		5	U		5	U		5	U	
Cobalt	UG/L	0.47	20	U		20	U		20	U		20	U		20	U		20	U	
Copper	UG/L	1300	10	U		10	U		10	U		10	U		10	U		10	U	
Iron	ug/L	1100	50	U		50	U		50	U		50	U		50	U		50	U	
Lead	UG/L	15	8	U		8	U		8	U		8	U		8	U		8	U	
Magnesium	UG/L	N/A	24000		~	25000		~	26000		~	27000		~	27000		~	24000		~
Manganese	ug/L	32	5	U		5	U		**62**		A	5	U		5	U		**48**		A
Mercury	ug/L	0.05	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Nickel	UG/L	610	20	U		20	U		20	U		20	U		20	U		20	U	
Potassium	UG/L	N/A	1800		~	1600		~	1400		~	1600		~	1500		~	1100		~
Selenium	UG/L	50	20	U		20	U		20	U		20	U		20	U		20	U	
Silver	UG/L	7.1	5	U		5	U		5	U		5	U		5	U		5	U	
Sodium	UG/L	N/A	22000		~	23000		~	23000		~	25000		~	23000		~	28000		~
Thallium	UG/L	0.24	1	U		1	U		1	U		1	U		1	U		1	U	
Vanadium	ug/L	7.8	**26**		A	**26**		A	**22**		A	**22**		A	**23**		A	20	U	
Zinc	UG/L	470	20	U		20	U		20	U		20	U		20	U		20	U	

Groundwater Sample Results Full Table - Stage 2
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-1-P1-S2			MPW-1-P2-S2			MPW-1-P3-S2			MPW-1-P4-S2			MPW-1-P5-S2			MPW-1-P6-S2		
		Location	MPW-1			MPW-1			MPW-1			MPW-1			MPW-1			MPW-1		
		Sample Date	7/20/2010			7/20/2010			7/20/2010			7/20/2010			7/20/2010			7/20/2010		
		Depth	121 to 129 ft			132 to 144 ft			148 to 160 ft			228 to 237 ft			241 to 253 ft			276 to 283 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/L - microgram per liter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

Q - Qualifier

C - Comparison Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

Groundwater Sample Results Full Table - Stage 2
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-2-P1-S2			MPW-2-P2-S2			MPW-2-P3-S2			MPW-2-P4-S2			MPW-3-P1-S2			MPW-3-P2-S2		
		Location	MPW-2			MPW-2			MPW-2			MPW-2			MPW-3			MPW-3		
		Sample Date	7/22/2010			7/22/2010			7/22/2010			7/22/2010			7/22/2010			7/22/2010		
		Depth	144 to 154 ft			165 to 175 ft			178 to 188 ft			214 to 222 ft			131 to 146 ft			150 to 162 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/L	19	0.61		#	0.57	J	#	0.85		#	1.2		#	0.63		#	0.83		#
Chloromethane	ug/L	19	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Vinyl Chloride	ug/L	0.25	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromomethane	ug/L	47	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chloroethane	ug/L	2100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Trichlorofluoromethane	ug/L	110	0.22	J	#	0.18	J	#	0.5	U		0.5	U		0.12	J	#	0.15	J	#
1,1-Dichloroethene	ug/L	7	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	5300	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Acetone	ug/L	1200	5	U		5	U		5	U		5	U		5	U		5	U	
Carbon Disulfide	ug/L	72	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methyl Acetate	ug/L	1600	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methylene Chloride	ug/L	46	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
trans-1,2-Dichloroethene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methyl tert-Butyl Ether	ug/L	12	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1-Dichloroethane	ug/L	2.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
cis-1,2-Dichloroethene	ug/L	70	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
2-Butanone	ug/L	490	5	U		5	U		5	U		5	U		5	U		5	U	
Chlorobromomethane	ug/L	8.3	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chloroform	ug/L	57	24	J	#	25	J	#	12		#	11		#	6.8		#	7.1		#
1,1,1-Trichloroethane	ug/L	200	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Cyclohexane	ug/L	1300	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Carbon Tetrachloride	ug/L	2.3	0.48	J	#	0.2	J	#	0.34	J	#	0.5	U		0.5	U		0.2	J	#
Benzene	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichloroethane	ug/L	3.8	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,4-Dioxane	ug/L																			
Trichloroethene	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Metylcyclohexane	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichloropropane	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromodichloromethane	ug/L	5.5	1.3		#	0.35	J	#	0.94		#	1.5		#	0.77		#	0.89		#
cis-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
4-Methyl-2-pentanone	ug/L	100	5	U		5	U		5	U		5	U		5	U		5	U	

Groundwater Sample Results Full Table - Stage 2
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-2-P1-S2			MPW-2-P2-S2			MPW-2-P3-S2			MPW-2-P4-S2			MPW-3-P1-S2			MPW-3-P2-S2		
		Location	MPW-2			MPW-2			MPW-2			MPW-2			MPW-3			MPW-3		
		Sample Date	7/22/2010			7/22/2010			7/22/2010			7/22/2010			7/22/2010			7/22/2010		
		Depth	144 to 154 ft			165 to 175 ft			178 to 188 ft			214 to 222 ft			131 to 146 ft			150 to 162 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Toluene	ug/L	1000	0.23	J	#	0.34	J	#	0.35	J	#	0.5	U		0.5	U		0.5	U	
trans-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2-Trichloroethane	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Tetrachloroethene	ug/L	5	0.45	J	#	0.23	J	#	0.68		#	0.5	U		2.1		#	2.8		#
2-Hexanone	ug/L	3.4	5	U		5	U		5	U		5	U		5	U		5	U	
Dibromochloromethane	ug/L	4	0.1	J	#	0.5	U		0.066	J	#	0.15	J	#	0.078	J	#	0.092	J	#
1,2-Dibromoethane	ug/L	0.05										0.5	U							
Chlorobenzene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Ethylbenzene	ug/L	530	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
o-Xylene	ug/L	10000	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
m,p-Xylene	ug/L	10000	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Styrene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromoform	ug/L	43	0.5	U		0.5	U		0.5	UJ		0.5	UJ		0.5	UJ		0.5	UJ	
Isopropylbenzene	ug/L	39	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2,2-Tetrachloroethane	ug/L	1.7	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,3-Dichlorobenzene	ug/L	320	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,4-Dichlorobenzene	ug/L	63	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichlorobenzene	ug/L	420	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dibromo-3-chloropropane	ug/L	0.2										0.5	U							
1,2,4-Trichlorobenzene	ug/L	35	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2,3-Trichlorobenzene	ug/L	0.52	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
DESA 2009 Wet Chemistry Analysis																				
1,2-Dibromoethane	ug/L	0.05	0.05	U		0.05	U		0.05	U					0.05	U		0.05	U	
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.05	U		0.05	U		0.05	U					0.05	U		0.05	U	
Nitrate	mg/L	N/A	6.5		~							7.8		~	9		~			
Nitrite	mg/L	N/A	0.05	U								0.05	U		0.05	U				
Hardness As CaCO3	mg/L	N/A	190		~	210		~	220		~	180		~	250		~	260		~
Methane	ug/L	N/A	34		~							32		~	64		~			
Ethene	ug/L	N/A	2	U								2	U		2	U				
Ethane	ug/L	N/A	2	U								2	U		2	U				
Nitrogen, Ammonia	mg/L	N/A	0.05	U								0.05	U		0.05	U				

Groundwater Sample Results Full Table - Stage 2
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-2-P1-S2			MPW-2-P2-S2			MPW-2-P3-S2			MPW-2-P4-S2			MPW-3-P1-S2			MPW-3-P2-S2		
		Location	MPW-2			MPW-2			MPW-2			MPW-2			MPW-3			MPW-3		
		Sample Date	7/22/2010			7/22/2010			7/22/2010			7/22/2010			7/22/2010			7/22/2010		
		Depth	144 to 154 ft			165 to 175 ft			178 to 188 ft			214 to 222 ft			131 to 146 ft			150 to 162 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Total Organic Carbon	mg/L	N/A	1	U								1	U		1	U				
Total Suspended Solids	mg/L	N/A	10	U								10	U		10	U				
Sulfide	mg/L	N/A	0.014		~							0.01	U		0.01	U				
Alkalinity, Total (as CaCO3)	mg/L	N/A	170		~							150		~	200		~			
Chloride	mg/L	N/A	52		~							49		~	52		~			
Sulfate	mg/L	N/A	16		~							3.3		~	10		~			
Inorganic Analytes																				
Aluminum	ug/L	1600	100	U		100	U		100	U		100	U		100	U		100	U	
Antimony	ug/L	5.6	2	U		2	U		2	U		2	U		2	U		2	U	
Arsenic	ug/L	10	8	U		8	U		8	U		8	U		8	U		8	U	
Barium	ug/L	2000	100	U		100	U		100	U		100	U		100	U		100	U	
Beryllium	ug/L	4	3	U		3	U		3	U		3	U		3	U		3	U	
Cadmium	UG/L	5	3	U		3	U		3	U		3	U		3	U		3	U	
Calcium	UG/L	N/A	41000		~	45000		~	47000		~	41000		~	55000		~	59000		~
Chromium	UG/L	100	5	U		5	U		5	U		5	U		5	U		5	U	
Cobalt	UG/L	0.47	20	U		20	U		20	U		20	U		20	U		20	U	
Copper	UG/L	1300	10	U		10	U		10	U		10	U		10	U		10	U	
Iron	ug/L	1100	50	U		50	U		870		#	50	U		50	U		50	U	
Lead	UG/L	15	8	U		8	U		8	U		8	U		8	U		8	U	
Magnesium	UG/L	N/A	22000		~	24000		~	24000		~	19000		~	26000		~	26000		~
Manganese	ug/L	32	5	U		5	U		5	U		5	U		5	U		5	U	
Mercury	ug/L	0.05	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Nickel	UG/L	610	20	U		20	U		20	U		20	U		20	U		20	U	
Potassium	UG/L	N/A	1900		~	1900		~	1900		~	1500		~	1700		~	1700		~
Selenium	UG/L	50	20	U		20	U		20	U		20	U		20	U		20	U	
Silver	UG/L	7.1	5	U		5	U		5	U		5	U		5	U		5	U	
Sodium	UG/L	N/A	21000		~	21000		~	21000		~	22000		~	24000		~	24000		~
Thallium	UG/L	0.24	1	U		1	U		1	U		1	U		1	U		1	U	
Vanadium	ug/L	7.8	**21**		A	**20**		A	**20**		A	20	U		20	U		20	U	
Zinc	UG/L	470	20	U		20	U		20	U		25		#	20	U		20	U	

Groundwater Sample Results Full Table - Stage 2
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-2-P1-S2			MPW-2-P2-S2			MPW-2-P3-S2			MPW-2-P4-S2			MPW-3-P1-S2			MPW-3-P2-S2		
		Location	MPW-2			MPW-2			MPW-2			MPW-2			MPW-3			MPW-3		
		Sample Date	7/22/2010			7/22/2010			7/22/2010			7/22/2010			7/22/2010			7/22/2010		
		Depth	144 to 154 ft			165 to 175 ft			178 to 188 ft			214 to 222 ft			131 to 146 ft			150 to 162 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/L - microgram per liter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

Q - Qualifier

C - Comparison Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

Groundwater Sample Results Full Table - Stage 2
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-3-P3-S2			MPW-3-P4-S2			MPW-3-P5-S2			MPW-4-P1-S2			MPW-4-P2-S2			MPW-4-P3-S2		
		Location	MPW-3			MPW-3			MPW-3			MPW-4			MPW-4			MPW-4		
		Sample Date	7/22/2010			7/22/2010			7/22/2010			7/23/2010			7/23/2010			7/23/2010		
		Depth	168 to 174 ft			178 to 188 ft			194 to 204 ft			138 to 149 ft			152 to 160 ft			164 to 174 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/L	19	0.83		#	0.74		#	0.61		#	0.74		#	0.88		#	0.76		#
Chloromethane	ug/L	19	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Vinyl Chloride	ug/L	0.25	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromomethane	ug/L	47	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chloroethane	ug/L	2100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Trichlorofluoromethane	ug/L	110	0.15	J	#	0.13	J	#	0.1	J	#	0.24	J	#	0.24	J	#	0.28	J	#
1,1-Dichloroethene	ug/L	7	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	5300	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Acetone	ug/L	1200	5	U		5	U		5	U		5	U		5	U		5	U	
Carbon Disulfide	ug/L	72	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methyl Acetate	ug/L	1600	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methylene Chloride	ug/L	46	0.5	U		0.1	J	#	0.12	J	#	0.5	U		0.5	U		0.5	U	
trans-1,2-Dichloroethene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methyl tert-Butyl Ether	ug/L	12	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1-Dichloroethane	ug/L	2.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
cis-1,2-Dichloroethene	ug/L	70	0.5	U		0.33	J	#	0.36	J	#	0.5	U		0.5	U		0.5	U	
2-Butanone	ug/L	490	5	U		5	U		5	U		5	U		5	U		5	U	
Chlorobromomethane	ug/L	8.3	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chloroform	ug/L	57	6.1		#	3.9		#	3		#	19		#	18		#	19		#
1,1,1-Trichloroethane	ug/L	200	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Cyclohexane	ug/L	1300	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Carbon Tetrachloride	ug/L	2.3	0.21	J	#	0.5	U		0.5	U		0.27	J	#	0.23	J	#	0.33	J	#
Benzene	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichloroethane	ug/L	3.8	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,4-Dioxane	ug/L																			
Trichloroethene	ug/L	5	0.5	U		0.18	J	#	0.15	J	#	0.5	U		0.5	U		0.5	U	
Metylcyclohexane	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichloropropane	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromodichloromethane	ug/L	5.5	0.74		#	0.34	J	#	0.2	J	#	0.5	U		0.15	J	#	0.27	J	#
cis-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
4-Methyl-2-pentanone	ug/L	100	5	U		5	U		5	U		5	U		5	U		5	U	

Groundwater Sample Results Full Table - Stage 2
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-3-P3-S2			MPW-3-P4-S2			MPW-3-P5-S2			MPW-4-P1-S2			MPW-4-P2-S2			MPW-4-P3-S2		
		Location	MPW-3			MPW-3			MPW-3			MPW-4			MPW-4			MPW-4		
		Sample Date	7/22/2010			7/22/2010			7/22/2010			7/23/2010			7/23/2010			7/23/2010		
		Depth	168 to 174 ft			178 to 188 ft			194 to 204 ft			138 to 149 ft			152 to 160 ft			164 to 174 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Toluene	ug/L	1000	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
trans-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2-Trichloroethane	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Tetrachloroethene	ug/L	5	2.6		#	2.3		#	2		#	1.3		#	1.4		#	2		#
2-Hexanone	ug/L	3.4	5	U		5	U		5	U		5	U		5	U		5	U	
Dibromochloromethane	ug/L	4	0.069	J	#	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dibromoethane	ug/L	0.05																		
Chlorobenzene	ug/L	100	0.5	U		0.14	J	#	0.5	U		0.5	U		0.5	U		0.5	U	
Ethylbenzene	ug/L	530	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
o-Xylene	ug/L	10000	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
m,p-Xylene	ug/L	10000	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Styrene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromoform	ug/L	43	0.5	UJ		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Isopropylbenzene	ug/L	39	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2,2-Tetrachloroethane	ug/L	1.7	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,3-Dichlorobenzene	ug/L	320	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,4-Dichlorobenzene	ug/L	63	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichlorobenzene	ug/L	420	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dibromo-3-chloropropane	ug/L	0.2																		
1,2,4-Trichlorobenzene	ug/L	35	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2,3-Trichlorobenzene	ug/L	0.52	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
DESA 2009 Wet Chemistry Analysis																				
1,2-Dibromoethane	ug/L	0.05	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U	
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U	
Nitrate	mg/L	N/A	9.9		~				8.8		~	8.6		~						
Nitrite	mg/L	N/A	0.05	U					0.05	U		0.05	U							
Hardness As CaCO3	mg/L	N/A	270		~	270		~	280		~	230		~	230		~	240		~
Methane	ug/L	N/A	68		~				170		~	200		~						
Ethene	ug/L	N/A	2	U					2	U		2	U							
Ethane	ug/L	N/A	2	U					2	U		2	U							
Nitrogen, Ammonia	mg/L	N/A	0.05	U					0.05	U		0.05	U							

Groundwater Sample Results Full Table - Stage 2
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-3-P3-S2			MPW-3-P4-S2			MPW-3-P5-S2			MPW-4-P1-S2			MPW-4-P2-S2			MPW-4-P3-S2		
		Location	MPW-3			MPW-3			MPW-3			MPW-4			MPW-4			MPW-4		
		Sample Date	7/22/2010			7/22/2010			7/22/2010			7/23/2010			7/23/2010			7/23/2010		
		Depth	168 to 174 ft			178 to 188 ft			194 to 204 ft			138 to 149 ft			152 to 160 ft			164 to 174 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Total Organic Carbon	mg/L	N/A	1	U					1.7		~	1	U							
Total Suspended Solids	mg/L	N/A	10	U					10	U		10	U							
Sulfide	mg/L	N/A	0.013		~				0.01	U		0.01	U							
Alkalinity, Total (as CaCO3)	mg/L	N/A	200		~				220		~	160		~						
Chloride	mg/L	N/A	58		~				60		~	63		~						
Sulfate	mg/L	N/A	9.3		~				11		~	9.3		~						
Inorganic Analytes																				
Aluminum	ug/L	1600	100	U		100	U		100	U		100	U		100	U		100	U	
Antimony	ug/L	5.6	2	U		2	U		2	U		2	U		2	U		2	U	
Arsenic	ug/L	10	8	U		8	U		8	U		8	U		8	U		8	U	
Barium	ug/L	2000	100	U		100	U		100	U		100	U		100	U		100	U	
Beryllium	ug/L	4	3	U		3	U		3	U		3	U		3	U		3	U	
Cadmium	UG/L	5	3	U		3	U		3	U		3	U		3	U		3	U	
Calcium	UG/L	N/A	63000		~	65000		~	66000		~	49000		~	49000		~	52000		~
Chromium	UG/L	100	5	U		5	U		5	U		5	U		5	U		5	U	
Cobalt	UG/L	0.47	20	U		20	U		20	U		20	U		20	U		20	U	
Copper	UG/L	1300	10	U		10	U		10	U		10	U		10	U		10	U	
Iron	ug/L	1100	50	U		50	U		50	U		50	U		50	U		50	U	
Lead	UG/L	15	8	U		8	U		8	U		8	U		8	U		8	U	
Magnesium	UG/L	N/A	27000		~	27000		~	28000		~	27000		~	26000		~	26000		~
Manganese	ug/L	32	5	U		8.9		#	12		#	5	U		5	U		5	U	
Mercury	ug/L	0.05	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Nickel	UG/L	610	20	U		20	U		20	U		20	U		20	U		20	U	
Potassium	UG/L	N/A	1700		~	1700		~	1800		~	1900		~	1800		~	1800		~
Selenium	UG/L	50	20	U		20	U		20	U		20	U		20	U		20	U	
Silver	UG/L	7.1	5	U		5	U		5	U		5	U		5	U		5	U	
Sodium	UG/L	N/A	25000		~	26000		~	26000		~	22000		~	21000		~	21000		~
Thallium	UG/L	0.24	1	U		1	U		1	U		1	U		1	U		1	U	
Vanadium	ug/L	7.8	20	U		**20**		A	**21**		A	**20**		A	**21**		A	**21**		A
Zinc	UG/L	470	20	U		20	U		20	U		20	U		20	U		20	U	

Groundwater Sample Results Full Table - Stage 2
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-3-P3-S2			MPW-3-P4-S2			MPW-3-P5-S2			MPW-4-P1-S2			MPW-4-P2-S2			MPW-4-P3-S2		
		Location	MPW-3			MPW-3			MPW-3			MPW-4			MPW-4			MPW-4		
		Sample Date	7/22/2010			7/22/2010			7/22/2010			7/23/2010			7/23/2010			7/23/2010		
		Depth	168 to 174 ft			178 to 188 ft			194 to 204 ft			138 to 149 ft			152 to 160 ft			164 to 174 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

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SC - Site Specific Screening Criteria

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Groundwater Sample Results Full Table - Stage 2
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-4-P4-S2			MPW-5-P1-S2			MPW-5-P2-S2			MPW-5-P3-S2			MPW-5-P4-S2			MPW-5-P5-S2		
		Location	MPW-4			MPW-5			MPW-5			MPW-5			MPW-5			MPW-5		
		Sample Date	7/23/2010			7/21/2010			7/21/2010			7/21/2010			7/21/2010			7/21/2010		
		Depth	210 to 224 ft			130 to 144 ft			148 to 154 ft			157 to 170 ft			202 to 212 ft			260 to 274 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/L	19	1.1		#	0.23	J	#	0.2	J	#	0.16	J	#	0.28	J	#	0.098	J	#
Chloromethane	ug/L	19	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Vinyl Chloride	ug/L	0.25	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromomethane	ug/L	47	0.5	U		0.1	J	#	0.094	J	#	0.5	U		0.5	U		0.5	U	
Chloroethane	ug/L	2100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Trichlorofluoromethane	ug/L	110	0.085	J	#	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1-Dichloroethene	ug/L	7	0.5	U		0.5	U		0.5	UJ		0.5	U		0.5	U		0.5	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	5300	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Acetone	ug/L	1200	5	U		5	U		5	U		5	U		5	U		5	U	
Carbon Disulfide	ug/L	72	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methyl Acetate	ug/L	1600	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methylene Chloride	ug/L	46	0.5	U		0.098	J	#	0.078	J	#	0.5	U		0.5	U		0.5	U	
trans-1,2-Dichloroethene	ug/L	100	0.5	U		0.5	U		0.5	UJ		0.5	U		0.093	J	#	0.13	J	#
Methyl tert-Butyl Ether	ug/L	12	0.5	U		0.27	J	#	0.27	J	#	0.26	J	#	0.24	J	#	0.5	U	
1,1-Dichloroethane	ug/L	2.4	0.5	U		0.5	U		0.073	J	#	0.5	U		0.5	U		0.5	U	
cis-1,2-Dichloroethene	ug/L	70	0.5	U		0.27	J	#	0.24	J	#	0.24	J	#	2.8		#	20		#
2-Butanone	ug/L	490	5	U		5	U		5	U		5	U		5	U		5	U	
Chlorobromomethane	ug/L	8.3	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chloroform	ug/L	57	7.6		#	7.6		#	7.6		#	7		#	7.1		#	4.8		#
1,1,1-Trichloroethane	ug/L	200	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Cyclohexane	ug/L	1300	0.5	U		0.5	U		0.5	UJ		0.5	U		0.5	U		0.5	U	
Carbon Tetrachloride	ug/L	2.3	0.21	J	#	0.28	J	#	0.25	J	#	0.25	J	#	0.26	J	#	0.24	J	#
Benzene	ug/L	5	0.5	U		0.12	J	#	0.079	J	#	0.5	U		0.5	U		0.5	U	
1,2-Dichloroethane	ug/L	3.8	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,4-Dioxane	ug/L																			
Trichloroethene	ug/L	5	0.5	U		0.17	J	#	0.15	J	#	0.11	J	#	0.42	J	#	5		#
Metylcyclohexane	ug/L	N/A	0.5	U		0.5	U		0.5	UJ		0.5	U		0.5	U		0.5	U	
1,2-Dichloropropane	ug/L	5	0.5	U		0.5	U		0.5	UJ		0.5	U		0.5	U		0.5	U	
Bromodichloromethane	ug/L	5.5	0.31	J	#	0.87		#	0.83	J	#	0.74		#	0.64		#	0.5	U	
cis-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	UJ		0.5	UJ		0.5	U		0.5	U		0.5	U	
4-Methyl-2-pentanone	ug/L	100	5	U		5	U		5	U		5	U		5	U		5	U	

Groundwater Sample Results Full Table - Stage 2
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-4-P4-S2			MPW-5-P1-S2			MPW-5-P2-S2			MPW-5-P3-S2			MPW-5-P4-S2			MPW-5-P5-S2		
		Location	MPW-4			MPW-5			MPW-5			MPW-5			MPW-5			MPW-5		
		Sample Date	7/23/2010			7/21/2010			7/21/2010			7/21/2010			7/21/2010			7/21/2010		
		Depth	210 to 224 ft			130 to 144 ft			148 to 154 ft			157 to 170 ft			202 to 212 ft			260 to 274 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Toluene	ug/L	1000	2.1		#	0.12	J	#	0.11	J	#	0.5	U		0.27	J	#	0.61		#
trans-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	UJ		0.5	UJ		0.5	U		0.5	U		0.5	U	
1,1,2-Trichloroethane	ug/L	5	0.5	U		0.5	UJ		0.5	UJ		0.5	U		0.5	U		0.5	U	
Tetrachloroethene	ug/L	5	1.8		#	1.6		#	1.5		#	2.6		#	**8.5**		A	**120**		A
2-Hexanone	ug/L	3.4	5	U		5	U		5	U		5	U		5	U		5	U	
Dibromochloromethane	ug/L	4	0.5	U		0.13	J	#	0.12	J	#	0.081	J	#	0.072	J	#	0.5	U	
1,2-Dibromoethane	ug/L	0.05	0.5	U														0.5	U	
Chlorobenzene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Ethylbenzene	ug/L	530	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
o-Xylene	ug/L	10000	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
m,p-Xylene	ug/L	10000	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Styrene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromoform	ug/L	43	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Isopropylbenzene	ug/L	39	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2,2-Tetrachloroethane	ug/L	1.7	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,3-Dichlorobenzene	ug/L	320	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,4-Dichlorobenzene	ug/L	63	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichlorobenzene	ug/L	420	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.5	U														0.5	U	
1,2,4-Trichlorobenzene	ug/L	35	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2,3-Trichlorobenzene	ug/L	0.52	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
DESA 2009 Wet Chemistry Analysis																				
1,2-Dibromoethane	ug/L	0.05				0.05	U		0.05	U		0.05	U		0.05	U				
1,2-Dibromo-3-chloropropane	ug/L	0.2				0.05	U		0.05	U		0.05	U		0.05	U				
Nitrate	mg/L	N/A	7.1		~	7.9		~							7.6		~			
Nitrite	mg/L	N/A	0.05	U		0.05	U								0.05	U				
Hardness As CaCO3	mg/L	N/A	220		~	190		~	200		~	190		~	220		~	250		~
Methane	ug/L	N/A	600		~	130		~							470		~			
Ethene	ug/L	N/A	2	U		2	U								2	U				
Ethane	ug/L	N/A	2	U		2	U								2	U				
Nitrogen, Ammonia	mg/L	N/A	0.05	U		0.05	U								0.05	U				

Groundwater Sample Results Full Table - Stage 2
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-4-P4-S2			MPW-5-P1-S2			MPW-5-P2-S2			MPW-5-P3-S2			MPW-5-P4-S2			MPW-5-P5-S2		
		Location	MPW-4			MPW-5			MPW-5			MPW-5			MPW-5			MPW-5		
		Sample Date	7/23/2010			7/21/2010			7/21/2010			7/21/2010			7/21/2010			7/21/2010		
		Depth	210 to 224 ft			130 to 144 ft			148 to 154 ft			157 to 170 ft			202 to 212 ft			260 to 274 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Total Organic Carbon	mg/L	N/A	1	U		1	U								1.3		~			
Total Suspended Solids	mg/L	N/A	10	U		10	U								10	U				
Sulfide	mg/L	N/A	0.01	U		0.01	U								0.01	U				
Alkalinity, Total (as CaCO3)	mg/L	N/A	180		~	150		~							190		~			
Chloride	mg/L	N/A	51		~	46		~							50		~			
Sulfate	mg/L	N/A	7.5		~	3.2		~							4.2		~			
Inorganic Analytes																				
Aluminum	ug/L	1600	100	U		100	U		100	U		100	U		100	U		100	U	
Antimony	ug/L	5.6	2	U		2	U		2	U		2	U		2	U		2	U	
Arsenic	ug/L	10	8	U		8	U		8	U		8	U		8	U		8	U	
Barium	ug/L	2000	100	U		100	U		100	U		100	U		100	U		100	U	
Beryllium	ug/L	4	3	U		3	U		3	U		3	U		3	U		3	U	
Cadmium	UG/L	5	3	U		3	U		3	U		3	U		3	U		3	U	
Calcium	UG/L	N/A	50000		~	40000		~	41000		~	40000		~	48000		~	67000		~
Chromium	UG/L	100	5	U		5	U		5	U		5	U		5	U		5	U	
Cobalt	UG/L	0.47	20	U		20	U		20	U		20	U		20	U		20	U	
Copper	UG/L	1300	10	U		10	U		10	U		10	U		10	U		10	U	
Iron	ug/L	1100	50	U		50	U		50	U		50	U		50	U		50	U	
Lead	UG/L	15	8	U		8	U		8	U		8	U		8	U		8	U	
Magnesium	UG/L	N/A	23000		~	22000		~	22000		~	23000		~	24000		~	20000		~
Manganese	ug/L	32	7.3		#	12		#	11		#	5	U		**54**		A	5	U	
Mercury	ug/L	0.05	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Nickel	UG/L	610	20	U		20	U		20	U		20	U		20	U		20	U	
Potassium	UG/L	N/A	1600		~	2000		~	2100		~	2100		~	1800		~	1600		~
Selenium	UG/L	50	20	U		20	U		20	U		20	U		20	U		20	U	
Silver	UG/L	7.1	5	U		5	U		5	U		5	U		5	U		5	U	
Sodium	UG/L	N/A	22000		~	19000		~	20000		~	20000		~	21000		~	22000		~
Thallium	UG/L	0.24	1	U		1	U		1	U		1	U		1	U		1	U	
Vanadium	ug/L	7.8	**21**		A	**26**		A	**27**		A	**27**		A	**25**		A	**24**		A
Zinc	UG/L	470	20	U		20	U		20	U		20	U		20	U		20	U	

Groundwater Sample Results Full Table - Stage 2
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-4-P4-S2			MPW-5-P1-S2			MPW-5-P2-S2			MPW-5-P3-S2			MPW-5-P4-S2			MPW-5-P5-S2		
		Location	MPW-4			MPW-5			MPW-5			MPW-5			MPW-5			MPW-5		
		Sample Date	7/23/2010			7/21/2010			7/21/2010			7/21/2010			7/21/2010			7/21/2010		
		Depth	210 to 224 ft			130 to 144 ft			148 to 154 ft			157 to 170 ft			202 to 212 ft			260 to 274 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/L - microgram per liter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

Q - Qualifier

C - Comparison Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

Groundwater Sample Results Full Table - Stage 2
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-5-P6-S2			MPW-5-P7-S2			MPW-6-P5-S2			SMW-10-S2			SMW-12-S2			SMW-1-S2		
		Location	MPW-5			MPW-5			MPW-6			SMW-10			SMW-12			SMW-1		
		Sample Date	7/21/2010			7/21/2010			7/30/2010			7/29/2010			7/28/2010			7/26/2010		
		Depth	277 to 287 ft			302 to 324 ft			236 to 246 ft			62 to 72 ft			78 to 88 ft			48 to 58 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/L	19	0.095	J	#	0.082	J	#	0.5	U		5	U		0.12	J	#	5	U	
Chloromethane	ug/L	19	0.5	U		0.5	U		0.15	J	#	5	U		0.5	U		5	U	
Vinyl Chloride	ug/L	0.25	0.5	U		0.5	U		0.5	U		5	U		0.5	U		5	U	
Bromomethane	ug/L	47	0.5	U		0.5	U		0.5	U		5	U		0.5	U		5	U	
Chloroethane	ug/L	2100	0.5	U		0.5	U		0.5	U		5	U		0.5	U		5	U	
Trichlorofluoromethane	ug/L	110	0.5	U		0.5	U		0.5	U		5	U		0.5	U		5	U	
1,1-Dichloroethene	ug/L	7	0.5	U		3.6	J	#	**17**	J	A	**31**		A	0.5	U		5	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	5300	0.5	U		0.5	U		0.22	J	#	5	U		0.5	U		5	U	
Acetone	ug/L	1200	5	U		5	U		5	U		50	U		5	U		50	U	
Carbon Disulfide	ug/L	72	0.5	U		0.5	U		0.5	U		5	U		0.17	J	#	5	U	
Methyl Acetate	ug/L	1600	0.5	U		0.5	U		0.5	U		5	U		0.5	U		5	U	
Methylene Chloride	ug/L	46	0.5	U		0.5	U		0.5	U		5	U		0.16	J	#	5	U	
trans-1,2-Dichloroethene	ug/L	100	0.17	J	#	0.48	J	#	0.5	U		5	U		0.5	U		5	U	
Methyl tert-Butyl Ether	ug/L	12	0.5	U		0.5	U		0.5	U		5	U		0.5	U		5	U	
1,1-Dichloroethane	ug/L	2.4	0.5	U		0.092	J	#	2	J	#	5	U		0.5	U		5	U	
cis-1,2-Dichloroethene	ug/L	70	28		#	32	J	#	0.5	U		60		#	0.5	U		21		#
2-Butanone	ug/L	490	5	U		5	U		5	U		50	U		5	U		50	U	
Chlorobromomethane	ug/L	8.3	0.5	U		0.5	U		0.5	U		5	U		0.5	U		5	U	
Chloroform	ug/L	57	4.1		#	3.5		#	**65**	J	A	5	U		3.6		#	9.4		#
1,1,1-Trichloroethane	ug/L	200	0.5	U		0.5	U		0.5	U		5	U		0.5	U		5	U	
Cyclohexane	ug/L	1300	0.5	U		0.5	U		0.5	U		5	U		0.5	U		5	U	
Carbon Tetrachloride	ug/L	2.3	0.17	J	#	0.16	J	#	0.5	U		5	U		0.5	U		5	U	
Benzene	ug/L	5	0.2	J	#	0.16	J	#	0.5	U		5	U		0.5	U		5	U	
1,2-Dichloroethane	ug/L	3.8	0.5	U		0.5	U		0.5	U		5	U		0.5	U		5	U	
1,4-Dioxane	ug/L																			
Trichloroethene	ug/L	5	3.9		#	**5.3**		A	0.5	U		**31**		A	0.5	U		**14**		A
Metylcyclohexane	ug/L	N/A	0.5	U		0.5	U		0.5	U		5	U		0.5	U		5	U	
1,2-Dichloropropane	ug/L	5	0.5	U		0.5	U		0.5	U		5	U		0.5	U		5	U	
Bromodichloromethane	ug/L	5.5	0.5	U		0.5	U		0.41	J	#	5	U		0.5	U		5	U	
cis-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	UJ		5	UJ		0.5	UJ		5	UJ	
4-Methyl-2-pentanone	ug/L	100	5	U		5	U		5	U		50	U		5	U		50	U	

Groundwater Sample Results Full Table - Stage 2
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-5-P6-S2			MPW-5-P7-S2			MPW-6-P5-S2			SMW-10-S2			SMW-12-S2			SMW-1-S2		
		Location	MPW-5			MPW-5			MPW-6			SMW-10			SMW-12			SMW-1		
		Sample Date	7/21/2010			7/21/2010			7/30/2010			7/29/2010			7/28/2010			7/26/2010		
		Depth	277 to 287 ft			302 to 324 ft			236 to 246 ft			62 to 72 ft			78 to 88 ft			48 to 58 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Toluene	ug/L	1000	1.6		#	1.6		#	0.5	U		5	U		0.5	U		5	U	
trans-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	UJ		5	UJ		0.5	UJ		5	UJ	
1,1,2-Trichloroethane	ug/L	5	0.5	U		0.5	U		0.16	J	#	5	UJ		0.5	UJ		5	UJ	
Tetrachloroethene	ug/L	5	**73**		A	**86**		A	0.82		#	**1700**		A	0.5	U		**680**		A
2-Hexanone	ug/L	3.4	5	U		5	U		5	U		50	U		5	U		50	U	
Dibromochloromethane	ug/L	4	0.5	U		0.5	U		0.069	J	#	5	U		0.5	U		5	U	
1,2-Dibromoethane	ug/L	0.05																		
Chlorobenzene	ug/L	100	0.27	J	#	0.5	U		0.5	U		5	U		0.5	U		5	U	
Ethylbenzene	ug/L	530	0.5	U		0.5	U		0.5	U		5	U		0.5	U		5	U	
o-Xylene	ug/L	10000	0.5	U		0.5	U		0.5	U		5	U		0.5	U		5	U	
m,p-Xylene	ug/L	10000	0.5	U		0.5	U		0.5	U		5	U		0.5	U		5	U	
Styrene	ug/L	100	0.5	U		0.5	U		0.5	U		5	U		0.5	U		5	U	
Bromoform	ug/L	43	0.5	U		0.5	U		0.5	U		5	U		0.5	U		5	U	
Isopropylbenzene	ug/L	39	0.5	U		0.5	U		0.5	U		5	U		0.5	U		5	U	
1,1,2,2-Tetrachloroethane	ug/L	1.7	0.5	U		0.5	U		0.5	U		5	U		0.5	U		5	U	
1,3-Dichlorobenzene	ug/L	320	0.5	U		0.5	U		0.5	U		5	U		0.5	U		5	U	
1,4-Dichlorobenzene	ug/L	63	0.5	U		0.5	U		0.5	U		5	U		0.5	U		5	U	
1,2-Dichlorobenzene	ug/L	420	0.5	U		0.5	U		0.5	U		5	U		0.5	U		5	U	
1,2-Dibromo-3-chloropropane	ug/L	0.2																		
1,2,4-Trichlorobenzene	ug/L	35	0.5	U		0.5	U		0.5	U		5	U		0.5	U		5	U	
1,2,3-Trichlorobenzene	ug/L	0.52	0.5	U		0.5	U		0.5	U		5	U		0.5	U		5	U	
DESA 2009 Wet Chemistry Analysis																				
1,2-Dibromoethane	ug/L	0.05	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U	
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U	
Nitrate	mg/L	N/A	4.9		~	4.6		~	3.4		~	4.5		~	3.9		~	3.4		~
Nitrite	mg/L	N/A	0.05	U		0.05	U		0.05	U		0.53		~	0.05	U		0.12		~
Hardness As CaCO3	mg/L	N/A	250		~	250		~	190		~	90		~	100		~	180		~
Methane	ug/L	N/A	490		~	560		~	2	U		8.2		~	2.9		~	4.3		~
Ethene	ug/L	N/A	2	U		2	U		2	U		2	U		2	U		2	U	
Ethane	ug/L	N/A	2	U		2	U		2	U		2	U		2	U		2.4		~
Nitrogen, Ammonia	mg/L	N/A	0.05	U		0.05	U		0.05	U		0.29		~	0.05	U		0.05	U	

Groundwater Sample Results Full Table - Stage 2
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-5-P6-S2			MPW-5-P7-S2			MPW-6-P5-S2			SMW-10-S2			SMW-12-S2			SMW-1-S2		
		Location	MPW-5			MPW-5			MPW-6			SMW-10			SMW-12			SMW-1		
		Sample Date	7/21/2010			7/21/2010			7/30/2010			7/29/2010			7/28/2010			7/26/2010		
		Depth	277 to 287 ft			302 to 324 ft			236 to 246 ft			62 to 72 ft			78 to 88 ft			48 to 58 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Total Organic Carbon	mg/L	N/A	1.7		~	1.8		~	1	U		1.3		~	1.5		~	2		~
Total Suspended Solids	mg/L	N/A	10	U		10	U		10	U		64		~	13		~	10	U	
Sulfide	mg/L	N/A	0.01	U		0.01	U		0.013		~	0.01	U		0.01	U		0.01	U	
Alkalinity, Total (as CaCO3)	mg/L	N/A	240		~	250		~	190		~	230		~	210		~	180		~
Chloride	mg/L	N/A	40		~	41		~	34		~	24		~	38		~	36		~
Sulfate	mg/L	N/A	7		~	9.1		~	9.4		~	8.8		~	10		~	18		~
Inorganic Analytes																				
Aluminum	ug/L	1600	100	U		100	U		100	U		1200		#	780		#	240		#
Antimony	ug/L	5.6	2	U		2	U		2	U		2	U		2	U		2	U	
Arsenic	ug/L	10	8	U		8	U		8	U		8	U		8	U		8	U	
Barium	ug/L	2000	100	U		100	U		100	U		210		#	190		#	130		#
Beryllium	ug/L	4	3	U		3	U		3	U		3	U		3	U		3	U	
Cadmium	UG/L	5	3	U		3	U		3	U		3	U		3	U		3	U	
Calcium	UG/L	N/A	68000		~	67000		~	48000		~	26000		~	23000		~	41000		~
Chromium	UG/L	100	5	U		5	U		6		#	5	U		5	U		6.9		#
Cobalt	UG/L	0.47	20	U		20	U		20	U		20	U		20	U		20	U	
Copper	UG/L	1300	10	U		10	U		10	U		10	U		10	U		10	U	
Iron	ug/L	1100	50	U		50	U		300		#	89		#	1000		#	380		#
Lead	UG/L	15	8	U		8	U		8	U		8	U		8	U		8	U	
Magnesium	UG/L	N/A	20000		~	20000		~	18000		~	6200		~	11000		~	19000		~
Manganese	ug/L	32	6.6		#	17		#	6.3		#	7.3		#	**230**		A	**260**		A
Mercury	ug/L	0.05	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Nickel	UG/L	610	20	U		20	U		20	U		20	U		20	U		20	U	
Potassium	UG/L	N/A	1400		~	1000		~	2100		~	51000		~	24000		~	2500		~
Selenium	UG/L	50	20	U		20	U		20	U		20	U		20	U		20	U	
Silver	UG/L	7.1	5	U		5	U		5	U		5	U		5	U		5	U	
Sodium	UG/L	N/A	23000		~	26000		~	22000		~	120000		~	64000		~	30000		~
Thallium	UG/L	0.24	1	U		1	U		1	U		1	U		1	U		1	U	
Vanadium	ug/L	7.8	**24**		A	**24**		A	20	U		**67**		A	20	U		**20**		A
Zinc	UG/L	470	20	U		20	U		20	U		20	U		20	U		20	U	

Groundwater Sample Results Full Table - Stage 2
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	MPW-5-P6-S2			MPW-5-P7-S2			MPW-6-P5-S2			SMW-10-S2			SMW-12-S2			SMW-1-S2		
		Location	MPW-5			MPW-5			MPW-6			SMW-10			SMW-12			SMW-1		
		Sample Date	7/21/2010			7/21/2010			7/30/2010			7/29/2010			7/28/2010			7/26/2010		
		Depth	277 to 287 ft			302 to 324 ft			236 to 246 ft			62 to 72 ft			78 to 88 ft			48 to 58 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/L - microgram per liter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

Q - Qualifier

C - Comparison Flag

COMPARISON FLAGS:

A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).

B - Detected sample value is less than the limit value when limit is lower.

- Detected sample value does not exceed the limit.

~ - No comparison.

Groundwater Sample Results Full Table - Stage 2
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SMW-2-S2			SMW-3-S2			SMW-5-S2			SMW-9-S2		
		Location	SMW-2			SMW-3			SMW-5			SMW-9		
		Sample Date	7/26/2010			7/26/2010			7/26/2010			7/27/2010		
		Depth	94 to 104 ft			65 to 75 ft			48 to 58 ft			82 to 92 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Volatile Organic Compounds														
Dichlorodifluoromethane	ug/L	19	0.2	J	#	0.5	U		0.5	U		0.5	U	
Chloromethane	ug/L	19	0.5	U		0.5	U		0.5	U		0.11	J	#
Vinyl Chloride	ug/L	0.25	0.5	U		0.5	U		0.5	U		0.17	J	#
Bromomethane	ug/L	47	0.5	U		0.5	U		0.5	U		0.5	U	
Chloroethane	ug/L	2100	0.5	U		0.5	U		0.5	U		0.5	U	
Trichlorofluoromethane	ug/L	110	0.5	U		0.5	U		0.5	U		0.5	U	
1,1-Dichloroethene	ug/L	7	0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	5300	0.5	U		0.5	U		0.5	U		0.5	U	
Acetone	ug/L	1200	5	U		41		#	5	U		5	U	
Carbon Disulfide	ug/L	72	0.5	U		0.5	U		0.5	U		0.5	U	
Methyl Acetate	ug/L	1600	0.5	U		0.5	U		0.5	U		0.5	U	
Methylene Chloride	ug/L	46	0.5	U		0.5	U		0.5	U		0.15	J	#
trans-1,2-Dichloroethene	ug/L	100	0.5	U		0.5	U		0.5	U		0.61		#
Methyl tert-Butyl Ether	ug/L	12	0.5	U		**350**		A	0.5	U		0.5	U	
1,1-Dichloroethane	ug/L	2.4	0.5	U		0.5	U		0.5	U		0.5	U	
cis-1,2-Dichloroethene	ug/L	70	0.5	U		0.5	U		0.5	U		**74**		A
2-Butanone	ug/L	490	5	U		5	U		5	U		5	U	
Chlorobromomethane	ug/L	8.3	0.5	U		0.5	U		0.5	U		0.5	U	
Chloroform	ug/L	57	12		#	1.7		#	0.5	U		15		#
1,1,1-Trichloroethane	ug/L	200	0.5	U		0.5	U		0.5	U		0.5	U	
Cyclohexane	ug/L	1300	0.5	U		0.5	U		0.5	U		0.5	U	
Carbon Tetrachloride	ug/L	2.3	0.5	U		0.5	U		0.5	U		0.5	U	
Benzene	ug/L	5	0.5	U		3.3		#	0.5	U		0.5	U	
1,2-Dichloroethane	ug/L	3.8	0.5	U		0.5	U		0.5	U		0.5	U	
1,4-Dioxane	ug/L													
Trichloroethene	ug/L	5	0.5	U		0.5	U		0.5	U		**9.7**		A
Metylcyclohexane	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichloropropane	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	U	
Bromodichloromethane	ug/L	5.5	0.64		#	0.5	U		0.5	U		0.23	J	#
cis-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	U		0.5	UJ	
4-Methyl-2-pentanone	ug/L	100	5	U		5	U		5	U		5	U	

Groundwater Sample Results Full Table - Stage 2
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SMW-2-S2			SMW-3-S2			SMW-5-S2			SMW-9-S2		
		Location	SMW-2			SMW-3			SMW-5			SMW-9		
		Sample Date	7/26/2010			7/26/2010			7/26/2010			7/27/2010		
		Depth	94 to 104 ft			65 to 75 ft			48 to 58 ft			82 to 92 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Toluene	ug/L	1000	0.5	U		0.5	U		0.5	U		0.5	U	
trans-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	U		0.5	UJ	
1,1,2-Trichloroethane	ug/L	5	0.5	U		0.5	U		0.5	U		0.5	UJ	
Tetrachloroethene	ug/L	5	0.5	U		0.5	U		0.5	U		**57**		A
2-Hexanone	ug/L	3.4	5	U		5	U		5	U		5	U	
Dibromochloromethane	ug/L	4	0.13	J	#	0.5	U		0.5	U		0.07	J	#
1,2-Dibromoethane	ug/L	0.05												
Chlorobenzene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U	
Ethylbenzene	ug/L	530	0.5	U		0.5	U		0.5	U		0.5	U	
o-Xylene	ug/L	10000	0.5	U		0.87		#	0.5	U		0.5	U	
m,p-Xylene	ug/L	10000	0.5	U		0.5	U		0.5	U		0.5	U	
Styrene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U	
Bromoform	ug/L	43	0.5	U		0.5	U		0.5	U		0.5	U	
Isopropylbenzene	ug/L	39	0.5	U		2.1		#	0.5	U		0.5	U	
1,1,2,2-Tetrachloroethane	ug/L	1.7	0.5	U		0.5	U		0.5	U		0.5	U	
1,3-Dichlorobenzene	ug/L	320	0.5	U		0.5	U		0.5	U		0.5	U	
1,4-Dichlorobenzene	ug/L	63	0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichlorobenzene	ug/L	420	0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dibromo-3-chloropropane	ug/L	0.2												
1,2,4-Trichlorobenzene	ug/L	35	0.5	U		0.5	U		0.5	U		0.5	U	
1,2,3-Trichlorobenzene	ug/L	0.52	0.5	U		0.5	U		0.5	U		0.5	U	
DESA 2009 Wet Chemistry Analysis														
1,2-Dibromoethane	ug/L	0.05	0.05	U		0.05	U		0.05	U		0.05	U	
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.05	U		0.05	U		0.05	U		0.05	U	
Nitrate	mg/L	N/A	13		~	0.05	U		1.7		~	2.8		~
Nitrite	mg/L	N/A	0.05	U		0.05	U		0.05	U		0.05	U	
Hardness As CaCO3	mg/L	N/A	480		~	220		~	74		~	190		~
Methane	ug/L	N/A	3.8		~	79		~	2	U		2.6		~
Ethene	ug/L	N/A	2	U		2	U		2	U		2	U	
Ethane	ug/L	N/A	2	U		4.1		~	2	U		2	U	
Nitrogen, Ammonia	mg/L	N/A	0.078		~	0.05	U		0.05	U		0.05	U	

Groundwater Sample Results Full Table - Stage 2
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SMW-2-S2			SMW-3-S2			SMW-5-S2			SMW-9-S2		
		Location	SMW-2			SMW-3			SMW-5			SMW-9		
		Sample Date	7/26/2010			7/26/2010			7/26/2010			7/27/2010		
		Depth	94 to 104 ft			65 to 75 ft			48 to 58 ft			82 to 92 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Total Organic Carbon	mg/L	N/A	1	U		4.1		~	1	U		1.5		~
Total Suspended Solids	mg/L	N/A	140		~	14		~	10	U		61		~
Sulfide	mg/L	N/A	0.016		~	0.01	U		0.01	U		0.016		~
Alkalinity, Total (as CaCO3)	mg/L	N/A	150		~	260		~	93		~	150		~
Chloride	mg/L	N/A	230		~	25		~	11		~	28		~
Sulfate	mg/L	N/A	5.9		~	37		~	18		~	7		~
Inorganic Analytes														
Aluminum	ug/L	1600	**13000**		A	1500		#	160		#	**6200**		A
Antimony	ug/L	5.6	2	U		2	U		2	U		2	U	
Arsenic	ug/L	10	8	U		8	U		8	U		8	U	
Barium	ug/L	2000	630		#	640		#	280		#	290		#
Beryllium	ug/L	4	3	U		3	U		3	U		3	U	
Cadmium	UG/L	5	3	U		3	U		3	U		3	U	
Calcium	UG/L	N/A	93000		~	45000		~	17000		~	51000		~
Chromium	UG/L	100	46		#	5.7		#	5	U		14		#
Cobalt	UG/L	0.47	20	U		20	U		20	U		20	U	
Copper	UG/L	1300	42		#	10	U		10	U		18		#
Iron	ug/L	1100	**17000**		A	**1800**		A	170		#	**8000**		A
Lead	UG/L	15	8	U		8	U		8	U		8	U	
Magnesium	UG/L	N/A	60000		~	25000		~	7600		~	16000		~
Manganese	ug/L	32	**1200**		A	**1600**		A	17		#	**390**		A
Mercury	ug/L	0.05	**0.54**		A	**2.3**		A	0.2	U		0.2	U	
Nickel	UG/L	610	26		#	20	U		20	U		20	U	
Potassium	UG/L	N/A	5200		~	4500		~	1500		~	3700		~
Selenium	UG/L	50	20	U		20	U		20	U		20	U	
Silver	UG/L	7.1	5	U		5	U		5	U		5	U	
Sodium	UG/L	N/A	52000		~	45000		~	22000		~	13000		~
Thallium	UG/L	0.24	1	U		1	U		1	U		1	U	
Vanadium	ug/L	7.8	**54**		A	20	U		20	U		**20**		A
Zinc	UG/L	470	41		#	20	U		20	U		25		#

Groundwater Sample Results Full Table - Stage 2
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SMW-2-S2			SMW-3-S2			SMW-5-S2			SMW-9-S2		
		Location	SMW-2			SMW-3			SMW-5			SMW-9		
		Sample Date	7/26/2010			7/26/2010			7/26/2010			7/27/2010		
		Depth	94 to 104 ft			65 to 75 ft			48 to 58 ft			82 to 92 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

Notes:
Highlight indicates exceedance
SC - Site Specific Screening Criteria
ug/L - microgram per liter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable

Q - Qualifier
C - Comparison Flag

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

Groundwater Sample Results Full Table - Stage 2a
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SMW-4-s2a			SMW-6-s2a			SMW-7-s2a			SMW-8-s2a		
		Location	SMW-4			SMW-6			SMW-7			SMW-8		
		Sample Date	6/1/2012			6/5/2012			6/5/2012			6/5/2012		
		Depth	48 to 58 ft			39 to 49 ft			41 to 51 ft			44 to 54 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Inorganic Compounds														
Aluminum	ug/L	1600	**4610**		A	457		#	127		#	390		#
Antimony	ug/L	5.6	3.4	R		2	U		6	R		4.9	R	
Arsenic	ug/L	10	1.1		#	0.41	J	#	0.41	J	#	0.49	J	#
Barium	ug/L	2000	121		#	12		#	5.6	J	#	17.2		#
Beryllium	ug/L	4	1	U		1	U		1	U		1	U	
Cadmium	ug/L	5	1	U		1	U		1	U		1	U	
Calcium	ug/L	N/A	42300		~	41100		~	45500		~	61800		~
Chromium	ug/L	100	13.1	J	#	6.3		#	2	U		6.4		#
Cobalt	ug/L	0.47	**6.4**	J	A	**0.68**	J	A	**0.54**	J	A	**1.6**	J	A
Copper	ug/L	1300	17.6	J	#	3	J	#	3.1	J	#	2.6	J	#
Iron	ug/L	1100	**4450**		A	558		#	221		#	514		#
Lead	ug/L	15	0.93	J	#	0.17	J	#	0.24	J	#	0.15	J	#
Magnesium	ug/L	N/A	27000		~	22800		~	25300		~	37000		~
Manganese	ug/L	32	**1520**		A	**337**		A	**422**		A	**1240**		A
Mercury	ug/L	0.05	**0.064**	J	A	0.2	U		0.2	U		0.2	U	
Nickel	ug/L	610	14.9	J	#	6		#	2.5		#	13		#
Potassium	ug/L	N/A	7100		~	1600		~	1610		~	1690		~
Selenium	ug/L	50	0.63	J	#	5	U		5	U		0.72	J	#
Silver	ug/L	7.1	1	U		1	U		1	U		1	U	
Sodium	ug/L	N/A	56300		~	33300		~	27100		~	44200		~
Thallium	ug/L	0.24	1	U		1	U		1	U		1	U	
Vanadium	ug/L	7.8	**34.3**	J	A	**23.8**	J	A	**27**	J	A	**18.2**	J	A
Zinc	ug/L	470	30.8	J	#	12.4	J	#	10.2	J	#	11.9	J	#
Cyanide	ug/L													
Volatile Organic Compounds														
1,1,1-Trichloroethane	ug/L	200	0.5	U		0.5	U		0.5	U		0.5	UJ	
1,1,2,2-Tetrachloroethane	ug/L	1.7	0.2	UJ		0.2	UJ		0.2	U		0.2	U	
1,1,2-Trichloro-1,2,2-trifluoroethan	ug/L	5300	0.5	U		0.5	U		0.5	U		0.5	UJ	
1,1,2-Trichloroethane	ug/L	5	0.2	U		0.2	U		0.2	U		0.2	U	

R2-0008733

Groundwater Sample Results Full Table - Stage 2a
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SMW-4-s2a			SMW-6-s2a			SMW-7-s2a			SMW-8-s2a		
		Location	SMW-4			SMW-6			SMW-7			SMW-8		
		Sample Date	6/1/2012			6/5/2012			6/5/2012			6/5/2012		
		Depth	48 to 58 ft			39 to 49 ft			41 to 51 ft			44 to 54 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
1,1-Dichloroethane	ug/L	2.4	0.5	U		0.5	U		0.5	U		0.5	U	
1,1-Dichloroethene	ug/L	7	0.5	U		0.5	U		0.5	U		0.5	U	
1,2,3-Trichlorobenzene	ug/L	0.52	0.5	U		0.5	U		0.5	U		0.5	U	
1,2,4-Trichlorobenzene	ug/L	35	0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.2	U		0.2	UJ		0.2	U		0.2	U	
1,2-Dibromoethane	ug/L	0.05	0.2	U		0.2	U		0.2	U		0.2	U	
1,2-Dichlorobenzene	ug/L	420	0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichloroethane	ug/L	3.8	0.2	U		0.2	U		0.2	U		0.2	U	
1,2-Dichloropropane	ug/L	5	0.2	U		0.2	U		0.2	U		0.2	U	
1,3-Dichlorobenzene	ug/L	320	0.5	U		0.5	U		0.5	U		0.5	U	
1,4-Dichlorobenzene	ug/L	63	0.2	U		0.2	U		0.2	U		0.2	U	
2-Butanone	ug/L	490	5	U		5	U		5	U		5	U	
2-Hexanone	ug/L	3.4	**3.6**	J	A	5	U		5	U		5	U	
4-Methyl-2-pentanone	ug/L	100	5	U		5	U		5	U		5	U	
Acetone	ug/L	1200	5	U		5	U		5	U		5	U	
Benzene	ug/L	5	0.2	U		0.2	U		0.2	U		0.2	U	
Bromodichloromethane	ug/L	5.5	0.5	U		0.5	U		0.5	U		0.5	U	
Bromoform	ug/L	43	0.5	U		0.5	U		0.5	U		0.5	U	
Bromomethane	ug/L	47	0.5	U		0.5	U		0.5	U		0.5	U	
Carbon Disulfide	ug/L	72	0.5	U		0.5	U		0.5	U		0.5	U	
Carbon Tetrachloride	ug/L	2.3	0.2	U		0.2	U		0.2	U		0.2	U	
Chlorobenzene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U	
Chlorobromomethane	ug/L	8.3	0.5	U		0.5	U		0.5	U		0.5	U	
Chloroethane	ug/L	2100	0.5	U		0.5	U		0.5	U		0.5	U	
Chloroform	ug/L	57	0.21		#	3.6		#	1.9		#	0.4		#
Chloromethane	ug/L	19	0.5	U		0.5	U		0.5	U		0.5	U	
cis-1,2-Dichloroethene	ug/L	70	0.5	U		6.6		#	3.1		#	0.5	U	
cis-1,3-Dichloropropene	ug/L	3.4	0.5	U		0.5	U		0.5	U		0.5	U	
Cyclohexane	ug/L	1300	0.5	U		0.5	U		0.5	U		0.5	U	
Dibromochloromethane	ug/L	4	0.5	U		0.5	U		0.5	U		0.5	U	
Dichlorodifluoromethane	ug/L	19	0.5	U		0.5	U		0.5	U		0.5	U	
Ethylbenzene	ug/L	530	0.5	U		0.5	U		0.5	U		0.5	U	

Groundwater Sample Results Full Table - Stage 2a
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SMW-4-s2a			SMW-6-s2a			SMW-7-s2a			SMW-8-s2a		
		Location	SMW-4			SMW-6			SMW-7			SMW-8		
		Sample Date	6/1/2012			6/5/2012			6/5/2012			6/5/2012		
		Depth	48 to 58 ft			39 to 49 ft			41 to 51 ft			44 to 54 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Isopropylbenzene	ug/L	39	0.5	U		0.5	U		0.5	U		0.5	U	
m,p-Xylene	ug/L	10000	0.5	U		0.5	U		0.5	U		0.5	U	
Methyl Acetate	ug/L	1600	0.5	U		0.5	U		0.5	U		0.5	UJ	
Methyl tert-Butyl Ether	ug/L	12	0.57		#	0.5	U		0.5	U		0.5	UJ	
Methylene Chloride	ug/L	46	0.5	U		0.5	U		0.5	U		0.5	UJ	
Metylcyclohexane	ug/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U	
o-Xylene	ug/L	10000	0.5	U		0.5	U		0.5	U		0.5	U	
Styrene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U	
Tetrachloroethene	ug/L	5	3.6	J	#	**70**		A	**63**		A	0.1	J	#
Toluene	ug/L	1000	0.5	U		0.5	U		0.5	U		0.5	U	
trans-1,2-Dichloroethene	ug/L	100	0.5	U		0.5	U		0.5	U		0.5	U	
trans-1,3-Dichloropropene	ug/L	3.4	0.2	U		0.2	U		0.2	U		0.2	U	
Trichloroethene	ug/L	5	0.5	U		2.3		#	1.6		#	0.5	U	
Trichlorofluoromethane	ug/L	110	0.74		#	0.5	U		0.5	U		0.5	UJ	
Vinyl Chloride	ug/L	0.25	0.2	U		0.2	U		0.2	U		0.2	U	

Notes:
Highlight indicates exceedance
SC - Site Specific Screening Criteria
ug/L - microgram per liter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable

Q - Qualifier
C - Comparison Flag

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

R2-0008735

Sediment Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SD-1			SD-2			SD-3			SD-4			SD-5			SD-6		
		Location	SD-1			SD-2			SD-3			SD-4			SD-5			SD-6		
		Sample Date	6/1/2012			6/1/2012			5/31/2012			5/31/2012			5/31/2012			5/31/2012		
		Depth	0 to 0.5 ft			0 to 0.5 ft			0 to 0.5 ft			0 to 0.5 ft			0 to 0.5 ft			0 to 0.5 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Geotechnical Analyses																				
% CLAY & COLLOIDS	%	N/A	3.6		~	0.1	U					0.1	U		0.3		~	0.1	U	
% Coarse Sand >0.42 - 2.0 mm	%	N/A	13		~	2.5		~	14		~	12		~	1.8		~	12		~
% FINE SAND >.125 - .25 MM	%	N/A	3.5		~	0.1		~	1.1		~	0.7		~	0.1		~	1		~
% GRANULE & LARGER >2 MM	%	N/A	49		~	79		~	55		~	60		~	84		~	62		~
% MEDIUM SAND >.25 - .5 MM	%	N/A	8.4		~	0.4		~	3.6		~	2.2		~	0.4		~	3.6		~
% SILT	%	N/A	0.5		~							1.2		~				2.2		~
% VERY COURSE SAND >1 - 2 MM	%	N/A	20		~	18		~	25		~	23		~	13		~	19		~
% VERY FINE SAND >.0625 - .125 MM	%	N/A	1.3		~	0.1		~	0.4		~	0.3		~	0.1	U		0.4		~
%Silt + % Clay/Colloids (%Total Fines)	%	N/A	4.1		~				1.7		~									
Volatile Organic Compounds																				
Dichlorodifluoromethane	ug/Kg	9400	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
Chloromethane	ug/Kg	12000	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
Vinyl Chloride	ug/Kg	60	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
Bromomethane	ug/Kg	1.37	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
Chloroethane	ug/Kg	1500000	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
Trichlorofluoromethane	ug/Kg	79000	6.2	U		5.5	UJ		5.7	U		5.5	UJ		5.7	UJ		5.3	U	
1,1-Dichloroethene	ug/Kg	19.4	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	6.2	U		5.5	UJ		5.7	U		5.5	UJ		5.7	UJ		5.3	U	
Acetone	ug/Kg	9.9	12	U		11	U		11	U		11	U		11	U		11	U	
Carbon Disulfide	ug/Kg	23.9	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
Methyl Acetate	ug/Kg	7800000	6.2	U		5.5	UJ		5.7	U		5.5	UJ		5.7	UJ		5.3	U	
Methylene Chloride	ug/Kg	159	6.2	U		5.5	UJ		5.7	U		5.5	UJ		5.7	UJ		5.3	U	
trans-1,2-Dichloroethene	ug/Kg	654	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
Methyl tert-Butyl Ether	ug/Kg	43000	6.2	U		5.5	UJ		5.7	U		5.5	UJ		5.7	UJ		5.3	U	
1,1-Dichloroethane	ug/Kg	0.58	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	

Sediment Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SD-1			SD-2			SD-3			SD-4			SD-5			SD-6		
		Location	SD-1			SD-2			SD-3			SD-4			SD-5			SD-6		
		Sample Date	6/1/2012			6/1/2012			5/31/2012			5/31/2012			5/31/2012			5/31/2012		
		Depth	0 to 0.5 ft			0 to 0.5 ft			0 to 0.5 ft			0 to 0.5 ft			0 to 0.5 ft			0 to 0.5 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
cis-1,2-Dichloroethene	ug/Kg	16000	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
2-Butanone	ug/Kg	42.4	12	U		11	U		11	U		11	U		11	U		11	U	
Chlorobromomethane	ug/Kg	16000	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
Chloroform	ug/Kg	121	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
1,1,1-Trichloroethane	ug/Kg	213	6.2	U		5.5	UJ		5.7	U		5.5	UJ		5.7	UJ		5.3	U	
Cyclohexane	ug/Kg	117000	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
Carbon Tetrachloride	ug/Kg	610	6.2	U		5.5	UJ		5.7	U		5.5	UJ		5.7	UJ		5.3	U	
Benzene	ug/Kg	142	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
1,2-Dichloroethane	ug/Kg	260	6.2	U		5.5	UJ		5.7	U		5.5	UJ		5.7	UJ		5.3	U	
1,4-Dioxane	ug/Kg	N/A	120	U		110	U		110	U		110	U		110	U		110	U	
Trichloroethene	ug/Kg	112	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
Metylcyclohexane	ug/Kg	N/A	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
1,2-Dichloropropane	ug/Kg	333	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
Bromodichloromethane	ug/Kg	270	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
cis-1,3-Dichloropropene	ug/Kg	1700	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
4-Methyl-2-pentanone	ug/Kg	25.1	12	U		11	U		11	U		11	U		11	U		11	U	
Toluene	ug/Kg	1220	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
trans-1,3-Dichloropropene	ug/Kg	1700	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
1,1,2-Trichloroethane	ug/Kg	160	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
Tetrachloroethene	ug/Kg	990	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
2-Hexanone	ug/Kg	58.2	12	U		11	U		11	U		11	U		11	U		11	U	
Dibromochloromethane	ug/Kg	680	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
1,2-Dibromoethane	ug/Kg	34	6.2	U		5.5	UJ		5.7	U		5.5	UJ		5.7	UJ		5.3	U	
Chlorobenzene	ug/Kg	291	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
Ethylbenzene	ug/Kg	175	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
o-Xylene	ug/Kg	433	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
m,p-Xylene	ug/Kg	433	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
Styrene	ug/Kg	254	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	

Sediment Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SD-1			SD-2			SD-3			SD-4			SD-5			SD-6		
		Location	SD-1			SD-2			SD-3			SD-4			SD-5			SD-6		
		Sample Date	6/1/2012			6/1/2012			5/31/2012			5/31/2012			5/31/2012			5/31/2012		
		Depth	0 to 0.5 ft			0 to 0.5 ft			0 to 0.5 ft			0 to 0.5 ft			0 to 0.5 ft			0 to 0.5 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Bromoform	ug/Kg	492	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
Isopropylbenzene	ug/Kg	259097.67	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
1,1,2,2-Tetrachloroethane	ug/Kg	560	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
1,3-Dichlorobenzene	ug/Kg	294	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
1,4-Dichlorobenzene	ug/Kg	318	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
1,2-Dichlorobenzene	ug/Kg	1315	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
1,2-Dibromo-3-chloropropane	ug/Kg	5.4	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
1,2,4-Trichlorobenzene	ug/Kg	5062	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
1,2,3-Trichlorobenzene	ug/Kg	4900	6.2	U		5.5	U		5.7	U		5.5	U		5.7	U		5.3	U	
Inorganic Compounds																				
Aluminum	MG/KG	7700	**20200**		A	**19900**		A	**15300**	J	A	**18800**	J	A	**15400**	J	A	**17500**	J	A
Antimony	MG/KG	3.1	1.2	R		1.1	R		1.2	UJ		1.2	UJ		1.2	UJ		1.2	UJ	
Arsenic	MG/KG	0.39	**5**	J	A	**3.9**	J	A	2.9	R		**3.1**	J	A	**4.7**	J	A	2.5	R	
Barium	MG/KG	1500	80.4	J	#	61.8	J	#	51.8	R		63.7	R		41.2	R		64.7	R	
Beryllium	MG/KG	16	0.59	UJ		0.55	UJ		0.21	R		0.27	R		0.19	R		0.28	R	
Cadmium	MG/KG	0.99	0.59	UJ		0.55	UJ		0.095	R		0.069	R		0.079	R		0.1	R	
Calcium	MG/KG	N/A	13100		~	12400		~	19300	J	~	11800	J	~	16000	J	~	16700	J	~
Chromium	MG/KG	0.29	**43.7**		A	**35.7**		A	25.2	R		40.5	R		13	R		31	R	
Cobalt	MG/KG	2.3	**35**		A	**19.3**		A	19.1	R		26.2	R		15	R		22.7	R	
Copper	MG/KG	31.6	**52.6**	J	A	**83.4**	J	A	**57.3**	J	A	**56**	J	A	**35.4**	J	A	**54.3**	J	A
Iron	MG/KG	5500	**42300**	J	A	**38900**	J	A	**34200**	J	A	**37300**	J	A	**33300**	J	A	**36300**	J	A
Lead	MG/KG	35.8	9.5	R		2.7	R		4.9	R		3.6	R		24.4	J	#	5.7	R	
Magnesium	MG/KG	N/A	9820		~	8300		~	6010	J	~	8020	J	~	7340	J	~	7130	J	~
Manganese	MG/KG	180	**2170**		A	**918**		A	**866**	J	A	**1020**	J	A	**848**	J	A	**1040**	J	A
Mercury	MG/KG	0.18	0.022	J	#	0.017	J	#	0.12	U		0.12	U		0.12	U		**0.92**		A
Nickel	MG/KG	22.7	**34.5**		A	**26.5**		A	15.1	R		32.2	R		10.1	R		18.1	R	
Potassium	MG/KG	N/A	863		~	546	U		596	UJ		597	UJ		581	UJ		622	UJ	

Sediment Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SD-1			SD-2			SD-3			SD-4			SD-5			SD-6		
		Location	SD-1			SD-2			SD-3			SD-4			SD-5			SD-6		
		Sample Date	6/1/2012			6/1/2012			5/31/2012			5/31/2012			5/31/2012			5/31/2012		
		Depth	0 to 0.5 ft			0 to 0.5 ft			0 to 0.5 ft			0 to 0.5 ft			0 to 0.5 ft			0 to 0.5 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Selenium	MG/KG	39	0.24	R		0.21	R		0.21	R		0.23	R		0.15	R		0.25	R	
Silver	MG/KG	39	0.59	UJ		0.55	UJ		0.6	R		0.6	R		0.58	R		0.62	R	
Sodium	MG/KG	N/A	595	U		546	U		596	UJ		597	UJ		581	UJ		622	UJ	
Thallium	MG/KG	0.08	0.59	U		0.55	U		0.6	R		1.2	R		0.58	R		0.62	R	
Vanadium	MG/KG	39	**234**	J	A	**122**	J	A	**119**	J	A	**125**	J	A	**87.7**	J	A	**140**	J	A
Zinc	MG/KG	121	101	J	#	43.5	J	#	49.2	J	#	48.1	J	#	116	J	#	60.8	J	#
Cyanide	MG/KG	4.7	0.59	U		0.55	U		0.6	U		0.6	U		0.58	U		0.62	U	
Wet Chemistry																				
pH	s.u.	N/A	7.6		~	7.6		~	7.8		~	7.8		~	7.8		~	7.9		~
Total Organic Carbon	mg/Kg	N/A	12000		~	2100		~	3100		~	4200		~	2600		~	3400		~

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Comparison Flag

R2-0008739

Sediment Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SD-1			SD-2			SD-3			SD-4			SD-5			SD-6		
		Location	SD-1			SD-2			SD-3			SD-4			SD-5			SD-6		
		Sample Date	6/1/2012			6/1/2012			5/31/2012			5/31/2012			5/31/2012			5/31/2012		
		Depth	0 to 0.5 ft			0 to 0.5 ft			0 to 0.5 ft			0 to 0.5 ft			0 to 0.5 ft			0 to 0.5 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

Sediment Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SD-7			SD-8			SD-9			SD-10		
		Location	SD-7			SD-8			SD-9			SD-10		
		Sample Date	5/30/2012			5/30/2012			5/30/2012			5/30/2012		
		Depth	0 to 0.5 ft			0 to 0.5 ft			0 to 0.5 ft			0 to 0.5 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Geotechnical Analyses														
% CLAY & COLLOIDS	%	N/A	0.1	U					0.1	U		0.1	U	
% Coarse Sand >0.42 - 2.0 mm	%	N/A	5.3		~	6.3		~	1.1		~	8.2		~
% FINE SAND >.125 - .25 MM	%	N/A	0.8		~	0.2		~	0.3		~	0.6		~
% GRANULE & LARGER >2 MM	%	N/A	66		~	72		~	80		~	67		~
% MEDIUM SAND >.25 - .5 MM	%	N/A	2		~	1.1		~	0.5		~	2.1		~
% SILT	%	N/A	1.3		~				0.7		~	0.8		~
% VERY COURSE SAND >1 - 2 MM	%	N/A	24		~	20		~	17		~	21		~
% VERY FINE SAND >.0625 - .125 MM	%	N/A	0.2		~	0.1		~	0.1		~	0.1		~
%Silt + % Clay/Colloids (%Total Fines)	%	N/A				0.7		~						
Volatile Organic Compounds														
Dichlorodifluoromethane	ug/Kg	9400	5.8	U		6	U		6	U		5.1	U	
Chloromethane	ug/Kg	12000	5.8	U		6	U		6	U		5.1	U	
Vinyl Chloride	ug/Kg	60	5.8	U		6	U		6	U		5.1	U	
Bromomethane	ug/Kg	1.37	5.8	U		6	U		6	U		5.1	U	
Chloroethane	ug/Kg	1500000	5.8	U		6	U		6	U		5.1	U	
Trichlorofluoromethane	ug/Kg	79000	5.8	UJ		6	UJ		6	UJ		5.1	U	
1,1-Dichloroethene	ug/Kg	19.4	5.8	U		6	U		6	U		5.1	U	
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/Kg	909640.1	5.8	UJ		6	UJ		6	UJ		5.1	U	
Acetone	ug/Kg	9.9	12	U		12	U		12	U		10	U	
Carbon Disulfide	ug/Kg	23.9	5.8	U		6	U		6	U		5.1	U	
Methyl Acetate	ug/Kg	7800000	5.8	UJ		6	UJ		6	UJ		5.1	U	
Methylene Chloride	ug/Kg	159	5.8	UJ		6	UJ		6	UJ		5.1	U	
trans-1,2-Dichloroethene	ug/Kg	654	5.8	U		6	U		6	U		5.1	U	
Methyl tert-Butyl Ether	ug/Kg	43000	5.8	UJ		6	UJ		6	UJ		5.1	U	
1,1-Dichloroethane	ug/Kg	0.58	5.8	U		6	U		6	U		5.1	U	

Sediment Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SD-7			SD-8			SD-9			SD-10		
		Location	SD-7			SD-8			SD-9			SD-10		
		Sample Date	5/30/2012			5/30/2012			5/30/2012			5/30/2012		
		Depth	0 to 0.5 ft			0 to 0.5 ft			0 to 0.5 ft			0 to 0.5 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
cis-1,2-Dichloroethene	ug/Kg	16000	5.8	U		6	U		6	U		5.1	U	
2-Butanone	ug/Kg	42.4	12	U		12	U		12	U		10	U	
Chlorobromomethane	ug/Kg	16000	5.8	U		6	U		6	U		5.1	U	
Chloroform	ug/Kg	121	5.8	U		6	U		6	U		5.1	U	
1,1,1-Trichloroethane	ug/Kg	213	5.8	UJ		6	UJ		6	UJ		5.1	U	
Cyclohexane	ug/Kg	117000	5.8	U		6	U		6	U		5.1	U	
Carbon Tetrachloride	ug/Kg	610	5.8	UJ		6	UJ		6	UJ		5.1	U	
Benzene	ug/Kg	142	5.8	U		6	U		6	U		5.1	U	
1,2-Dichloroethane	ug/Kg	260	5.8	UJ		6	UJ		6	UJ		5.1	U	
1,4-Dioxane	ug/Kg	N/A	120	U		120	U		120	U		100	U	
Trichloroethene	ug/Kg	112	5.8	U		6	U		6	U		5.1	U	
Metylcyclohexane	ug/Kg	N/A	5.8	U		6	U		6	U		5.1	U	
1,2-Dichloropropane	ug/Kg	333	5.8	U		6	U		6	U		5.1	U	
Bromodichloromethane	ug/Kg	270	5.8	U		6	U		6	U		5.1	U	
cis-1,3-Dichloropropene	ug/Kg	1700	5.8	U		6	U		6	U		5.1	U	
4-Methyl-2-pentanone	ug/Kg	25.1	12	U		12	U		12	U		10	U	
Toluene	ug/Kg	1220	5.8	U		6	U		6	U		5.1	U	
trans-1,3-Dichloropropene	ug/Kg	1700	5.8	U		6	U		6	U		5.1	U	
1,1,2-Trichloroethane	ug/Kg	160	5.8	U		6	U		6	U		5.1	U	
Tetrachloroethene	ug/Kg	990	5.8	U		6	U		1.9	J	#	5.1	U	
2-Hexanone	ug/Kg	58.2	12	U		12	U		12	U		10	U	
Dibromochloromethane	ug/Kg	680	5.8	U		6	U		6	U		5.1	U	
1,2-Dibromoethane	ug/Kg	34	5.8	UJ		6	UJ		6	UJ		5.1	U	
Chlorobenzene	ug/Kg	291	5.8	U		6	U		6	U		5.1	U	
Ethylbenzene	ug/Kg	175	5.8	U		6	U		6	U		5.1	U	
o-Xylene	ug/Kg	433	5.8	U		6	U		6	U		5.1	U	
m,p-Xylene	ug/Kg	433	5.8	U		6	U		6	U		5.1	U	
Styrene	ug/Kg	254	5.8	U		6	U		6	U		5.1	U	

Sediment Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SD-7			SD-8			SD-9			SD-10		
		Location	SD-7			SD-8			SD-9			SD-10		
		Sample Date	5/30/2012			5/30/2012			5/30/2012			5/30/2012		
		Depth	0 to 0.5 ft			0 to 0.5 ft			0 to 0.5 ft			0 to 0.5 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Bromoform	ug/Kg	492	5.8	U		6	U		6	U		5.1	U	
Isopropylbenzene	ug/Kg	259097.67	5.8	U		6	U		6	U		5.1	U	
1,1,2,2-Tetrachloroethane	ug/Kg	560	5.8	U		6	U		6	U		5.1	U	
1,3-Dichlorobenzene	ug/Kg	294	5.8	U		6	U		6	U		5.1	U	
1,4-Dichlorobenzene	ug/Kg	318	5.8	U		6	U		6	U		5.1	U	
1,2-Dichlorobenzene	ug/Kg	1315	5.8	U		6	U		6	U		5.1	U	
1,2-Dibromo-3-chloropropane	ug/Kg	5.4	5.8	U		6	U		6	U		5.1	U	
1,2,4-Trichlorobenzene	ug/Kg	5062	5.8	U		6	U		6	U		5.1	U	
1,2,3-Trichlorobenzene	ug/Kg	4900	5.8	U		6	U		6	U		5.1	U	
Inorganic Compounds														
Aluminum	MG/KG	7700	**11700**	J	A	**13800**	J	A	**10600**	J	A	**18400**	J	A
Antimony	MG/KG	3.1	1.2	UJ		1.2	UJ		1.1	UJ		1.1	UJ	
Arsenic	MG/KG	0.39	2.5	R		1.7	R		**3**	J	A	**4.6**	J	A
Barium	MG/KG	1500	53.1	R		63.7	R		54.9	R		71.4	R	
Beryllium	MG/KG	16	0.22	R		0.23	R		0.17	R		0.32	R	
Cadmium	MG/KG	0.99	0.059	R		0.05	R		0.049	R		0.1	R	
Calcium	MG/KG	N/A	10800	J	~	8510	J	~	6630	J	~	13100	J	~
Chromium	MG/KG	0.29	18	R		18	R		13.6	R		65.1	R	
Cobalt	MG/KG	2.3	20.1	R		21.3	R		18	R		36.2	R	
Copper	MG/KG	31.6	**40**	J	A	**41.3**	J	A	31.2	J	#	**77.3**	J	A
Iron	MG/KG	5500	**22200**	J	A	**30100**	J	A	**22900**	J	A	**33500**	J	A
Lead	MG/KG	35.8	7.1	R		4.2	R		2.7	R		5.8	R	
Magnesium	MG/KG	N/A	4590	J	~	5730	J	~	5010	J	~	8850	J	~
Manganese	MG/KG	180	**748**	J	A	**1250**	J	A	**729**	J	A	**998**	J	A
Mercury	MG/KG	0.18	0.12	U		0.12	U		0.11	U		0.11	U	
Nickel	MG/KG	22.7	11.2	R		9.5	R		11.9	R		29.2	R	
Potassium	MG/KG	N/A	577	UJ		700	J	~	548	UJ		563	UJ	

Sediment Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SD-7			SD-8			SD-9			SD-10		
		Location	SD-7			SD-8			SD-9			SD-10		
		Sample Date	5/30/2012			5/30/2012			5/30/2012			5/30/2012		
		Depth	0 to 0.5 ft			0 to 0.5 ft			0 to 0.5 ft			0 to 0.5 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Selenium	MG/KG	39	0.16	R		0.14	R		0.18	R		0.23	R	
Silver	MG/KG	39	0.58	R		0.58	R		0.55	R		0.56	R	
Sodium	MG/KG	N/A	577	UJ		576	UJ		548	UJ		563	UJ	
Thallium	MG/KG	0.08	0.58	R		0.58	R		0.55	R		0.56	R	
Vanadium	MG/KG	39	**103**	J	A	**104**	J	A	**83.3**	J	A	**149**	J	A
Zinc	MG/KG	121	56.1	J	#	50.6	J	#	36.6	J	#	82.9	J	#
Cyanide	MG/KG	4.7	0.58	U		0.58	U		0.55	U		0.62		#
Wet Chemistry														
pH	s.u.	N/A	8.1		~	8.5		~	8		~	8.3		~
Total Organic Carbon	mg/Kg	N/A	4600		~	2100		~	2200		~	2500		~

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

mm - millimeter

U - non-detect

J - estimated value

R - rejected data

N/A - not applicable

PCB - Polychlorinated Biphenyl

Q - Qualifier

C - Comparison Flag

R2-0008744

Sediment Sample Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SD-7			SD-8			SD-9			SD-10		
		Location	SD-7			SD-8			SD-9			SD-10		
		Sample Date	5/30/2012			5/30/2012			5/30/2012			5/30/2012		
		Depth	0 to 0.5 ft			0 to 0.5 ft			0 to 0.5 ft			0 to 0.5 ft		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

Surface Water Sampling Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SW-1			SW-2			SW-3			SW-4			SW-5			SW-6			SW-7		
		Location	SW-1			SW-2			SW-3			SW-4			SW-5			SW-6			SW-7		
		Sample Date	6/1/2012			6/1/2012			5/31/2012			5/31/2012			5/31/2012			5/31/2012			5/30/2012		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Wet Chemistry																							
Nitrate	mg/L	N/A	1.2		~	0.65		~	0.65		~	0.58		~	0.58		~	0.72		~	0.86		~
Nitrite	mg/L	N/A	0.025	U		0.025	U		0.025	U		0.025	U		0.025	U		0.025	U		0.025	U	
Methane	µg/L	N/A	2.4		~	2	U		3.8		~	3.5		~	7.2		~	6.6		~	6.2		~
Ethene	µg/L	N/A	2	U		2	U		2	U		2	U		2	U		2	U		2	U	
Ethane	µg/L	N/A	2	U		2	U		2	U		2	U		2	U		2	U		2	U	
Nitrogen, Ammonia	mg/L	N/A	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U	
Total Suspended Solids	mg/L	N/A	25		~	10	U		10	U		10	U		10	U		10	U		10	U	
Sulfide	mg/L	N/A	0.01	U		0.01	U		0.01	U		0.01	U		0.01	U		0.01	U		0.01	U	
Alkalinity, Total (as CaCO3)	mg/L	N/A	280		~	260		~	250		~	260		~	260		~	250		~	240		~
Chloride	mg/L	N/A	33		~	30		~	29		~	30		~	31		~	32		~	33		~
Sulfate	mg/L	N/A	9.6		~	19		~	18		~	19		~	18		~	17		~	17		~
Total Dissolved Solids	mg/L	N/A	420		~	390		~	380		~	380		~	350		~	350		~	420		~
Nitrogen, Total Kjeldahl	mg/L	N/A	0.41		~	0.28		~	0.3		~	0.34		~	0.29		~	0.32		~	0.28		~
Organic Carbon	mg/L	N/A	3.9		~	3.1		~	3.2		~	3.1		~	2.8		~	2.9		~	2.8		~
Inorganic Compounds																							
Aluminum	µg/L	N/A	153		~	47.6		~	99		~	83.4		~	31.8		~	29.8		~	27.6		~
Antimony	µg/L	5.6	3.7		#	4.3		#	**6.6**	J	A	5.6	J	#	**6.9**	J	A	**6.1**	J	A	7.7	R	
Arsenic	µg/L	10	0.88	J	#	1.1		#	1.1		#	1.1		#	1.1		#	1.1		#	1.1		#
Barium	µg/L	N/A	29.9		~	29.9		~	28.5		~	30		~	32.3		~	32.7		~	31.8		~
Beryllium	µg/L	N/A	1	U		1	U		1	U		1	U		1	U		1	U		1	U	
Cadmium	µg/L	0.92	1	U		1	U		1	U		1	U		1	U		1	U		1	U	
Calcium	µg/L	N/A	69700		~	52000		~	46900		~	47700		~	48600		~	49400		~	46700		~
Chromium	µg/L	11.43	2	U		2	U		0.34	J	#	0.34	J	#	0.31	J	#	0.31	J	#	0.3	J	#

R2-0008746

Surface Water Sampling Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SW-1			SW-2			SW-3			SW-4			SW-5			SW-6			SW-7		
		Location	SW-1			SW-2			SW-3			SW-4			SW-5			SW-6			SW-7		
		Sample Date	6/1/2012			6/1/2012			5/31/2012			5/31/2012			5/31/2012			5/31/2012			5/30/2012		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Cobalt	µg/L	N/A	0.4	J	~	0.22	J	~	0.24	J	~	0.31	J	~	0.23	J	~	0.21	J	~	0.21	J	~
Copper	µg/L	11.95	2.6	J	#	2	J	#	2.1		#	2.2		#	2	J	#	2	J	#	1.9	J	#
Iron	µg/L	N/A	191	J	~	60.5	J	~	200	UJ		200	UJ		200	UJ		200	UJ		200	UJ	
Lead	µg/L	0.97	0.11	J	#	0.05	J	#	1	U		1	U		1	U		1	U		1	U	
Magnesium	µg/L	N/A	20500		~	25700		~	23800		~	24000		~	24100		~	24200		~	22900		~
Manganese	µg/L	N/A	65.1		~	13.7		~	36.9		~	77.5		~	99		~	87.8		~	77.6		~
Mercury	µg/L	0.05	0.2	U		0.2	U		0.2	UJ		0.2	UJ		0.2	UJ		0.2	UJ		0.2	UJ	
Nickel	µg/L	51.7	1.4		#	0.93	J	#	1		#	1.7		#	1.2		#	1		#	0.97	J	#
Potassium	µg/L	N/A	3110		~	1950		~	2060		~	2050		~	2110		~	2160		~	2160		~
Selenium	µg/L	5	5	U		5	U		0.28	J	#	5	U		5	U		5	U		5	U	
Silver	µg/L	0.24	1	U		1	U		1	U		1	U		1	U		1	U		1	U	
Sodium	µg/L	N/A	35400		~	33400		~	32000		~	33400		~	34400		~	34600		~	32900		~
Thallium	µg/L	0.24	1	U		1	U		1	U		1	U		1	U		1	U		1	U	
Vanadium	µg/L	N/A	8.8	J	~	14.8	J	~	14.7	J	~	15.4	J	~	15.2	J	~	15.3	J	~	15.5	J	~
Zinc	µg/L	104.69	8.9	J	#	2.8	J	#	2.4		#	2.3		#	2	U		2	U		2	UJ	
Cyanide	µg/L	5.2							10	U		1	J	#	10	U		10	U		10	U	
Volatile Organic Compounds																							
Dichlorodifluoromethane	µg/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chloromethane	µg/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromomethane	µg/L	47	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chloroethane	µg/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Trichlorofluoromethane	µg/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1-Dichloroethene	µg/L	7	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	

Surface Water Sampling Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SW-1			SW-2			SW-3			SW-4			SW-5			SW-6			SW-7		
		Location	SW-1			SW-2			SW-3			SW-4			SW-5			SW-6			SW-7		
		Sample Date	6/1/2012			6/1/2012			5/31/2012			5/31/2012			5/31/2012			5/31/2012			5/30/2012		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Acetone	µg/L	N/A	5	U		5	U		5	U		5	U		5	U		5	U		5	U	
Carbon Disulfide	µg/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methyl Acetate	µg/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methylene Chloride	µg/L	46	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
trans-1,2-Dichloroethene	µg/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Methyl tert-Butyl Ether	µg/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1-Dichloroethane	µg/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
cis-1,2-Dichloroethene	µg/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U		0.27	J	~	0.58		~	0.65		~
2-Butanone	µg/L	N/A	5	U		5	U		5	U		5	U		5	U		5	U		5	U	
Chlorobromomethane	µg/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,1-Trichloroethane	µg/L	200	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Cyclohexane	µg/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Trichloroethene	µg/L	5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.25	J	#
Metylcyclohexane	µg/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromodichloromethane	µg/L	5.5	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
cis-1,3-Dichloropropene	µg/L	3.4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
4-Methyl-2-pentanone	µg/L	N/A	5	U		5	U		5	U		5	U		5	U		5	U		5	U	
Toluene	µg/L	1000	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.18	J	#	0.5	U	
2-Hexanone	µg/L	N/A	5	U		5	U		5	U		5	U		4	J	~	4.2	J	~	5	U	
Dibromochloromethane	µg/L	4	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Chlorobenzene	µg/L	100	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Ethylbenzene	µg/L	530	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
o-Xylene	µg/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
m,p-Xylene	µg/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	

Surface Water Sampling Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SW-1			SW-2			SW-3			SW-4			SW-5			SW-6			SW-7		
		Location	SW-1			SW-2			SW-3			SW-4			SW-5			SW-6			SW-7		
		Sample Date	6/1/2012			6/1/2012			5/31/2012			5/31/2012			5/31/2012			5/31/2012			5/30/2012		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C
Styrene	µg/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Bromoform	µg/L	43	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
Isopropylbenzene	µg/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,3-Dichlorobenzene	µg/L	320	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2-Dichlorobenzene	µg/L	420	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2,4-Trichlorobenzene	µg/L	35	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,2,3-Trichlorobenzene	µg/L	N/A	0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U		0.5	U	
1,1,2,2-Tetrachloroethane	µg/L	1.7	0.2	UJ		0.2	UJ		0.2	UJ		0.2	UJ		0.2	UJ		0.2	UJ		0.2	UJ	
1,1,2-Trichloroethane	µg/L	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.062	J	#	0.2	U	
1,2-Dichloroethane	µg/L	3.8	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
1,2-Dichloropropane	µg/L	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
1,4-Dichlorobenzene	µg/L	63	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Benzene	µg/L	5	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Carbon Tetrachloride	µg/L	2.3	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Chloroform	µg/L	57	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Tetrachloroethene	µg/L	5	0.2	U		0.2	U		0.2	U		0.2	U		2		#	4	J	#	4.6		#
trans-1,3-Dichloropropene	µg/L	3.4	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
Vinyl Chloride	µg/L	0.25	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
1,2-Dibromoethane	µg/L	N/A	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	
1,2-Dibromo-3-chloropropane	µg/L	N/A	0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U		0.2	U	

Notes:

Highlight indicates exceedance

SC - Site Specific Screening Criteria

ug/kg - microgram per kilogram

mg/kg - milligram per kilogram

Q - Qualifier

C - Comparison Flag

R2-0008749

Surface Water Sampling Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SW-1			SW-2			SW-3			SW-4			SW-5			SW-6			SW-7		
		Location	SW-1			SW-2			SW-3			SW-4			SW-5			SW-6			SW-7		
		Sample Date	6/1/2012			6/1/2012			5/31/2012			5/31/2012			5/31/2012			5/31/2012			5/30/2012		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C	Result	Q	C

mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

Surface Water Sampling Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SW-8			SW-9			SW-10		
		Location	SW-8			SW-9			SW-10		
		Sample Date	5/30/2012			5/30/2012			5/30/2012		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Wet Chemistry											
Nitrate	mg/L	N/A	0.94		~	1.3		~	1.1		~
Nitrite	mg/L	N/A	0.025	U		0.039		~	0.026		~
Methane	µg/L	N/A	3.9		~	2	U		8.1		~
Ethene	µg/L	N/A	2	U		2	U		2	U	
Ethane	µg/L	N/A	2	U		2	U		2	U	
Nitrogen, Ammonia	mg/L	N/A	0.05	U		0.05	U		0.05	U	
Total Suspended Solids	mg/L	N/A	10	U		10	U		10	U	
Sulfide	mg/L	N/A	0.01	U		0.01	U		0.01	U	
Alkalinity, Total (as CaCO3)	mg/L	N/A	240		~	190		~	220		~
Chloride	mg/L	N/A	33		~	32		~	33		~
Sulfate	mg/L	N/A	16		~	12		~	15		~
Total Dissolved Solids	mg/L	N/A	420		~	360		~	350		~
Nitrogen, Total Kjeldahl	mg/L	N/A	0.27		~	0.38		~	0.34		~
Organic Carbon	mg/L	N/A	2.7		~	2.5		~	2.5		~
Inorganic Compounds											
Aluminum	µg/L	N/A	30.1		~	38.1		~	31.1		~
Antimony	µg/L	5.6	7.2	R		7.6	R		6.9	R	
Arsenic	µg/L	10	1.1		#	0.98	J	#	0.96	J	#
Barium	µg/L	N/A	32.1		~	29.8		~	30.8		~
Beryllium	µg/L	N/A	1	U		1	U		1	U	
Cadmium	µg/L	0.92	1	U		1	U		1	U	
Calcium	µg/L	N/A	47000		~	38400		~	43200		~
Chromium	µg/L	11.43	0.32	J	#	0.41	J	#	0.33	J	#

Surface Water Sampling Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SW-8			SW-9			SW-10		
		Location	SW-8			SW-9			SW-10		
		Sample Date	5/30/2012			5/30/2012			5/30/2012		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Cobalt	µg/L	N/A	0.21	J	~	0.29	J	~	0.23	J	~
Copper	µg/L	11.95	2	J	#	1.4	J	#	1.6	J	#
Iron	µg/L	N/A	200	UJ		200	UJ		200	UJ	
Lead	µg/L	0.97	1	U		1	U		1	U	
Magnesium	µg/L	N/A	22600		~	17300		~	20000		~
Manganese	µg/L	N/A	67.1		~	205		~	133		~
Mercury	µg/L	0.05	0.2	UJ		0.2	UJ		0.2	UJ	
Nickel	µg/L	51.7	1		#	1.2		#	1.2		#
Potassium	µg/L	N/A	2140		~	2140		~	2090		~
Selenium	µg/L	5	5	U		5	U		5	U	
Silver	µg/L	0.24	1	U		1	U		1	U	
Sodium	µg/L	N/A	32400		~	26500		~	29200		~
Thallium	µg/L	0.24	1	U		1	U		1	U	
Vanadium	µg/L	N/A	15.6	J	~	16.2	J	~	15.7	J	~
Zinc	µg/L	104.69	2	U		2.5		#	2	U	
Cyanide	µg/L	5.2	10	U		10	U		10	U	
Volatile Organic Compounds											
Dichlorodifluoromethane	µg/L	N/A	0.5	U		0.5	U		0.5	U	
Chloromethane	µg/L	N/A	0.5	U		0.5	U		0.5	U	
Bromomethane	µg/L	47	0.5	U		0.5	U		0.5	U	
Chloroethane	µg/L	N/A	0.5	U		0.5	U		0.5	U	
Trichlorofluoromethane	µg/L	N/A	0.5	U		0.5	U		0.5	U	
1,1-Dichloroethene	µg/L	7	0.5	U		0.5	U		0.5	U	

Surface Water Sampling Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SW-8			SW-9			SW-10		
		Location	SW-8			SW-9			SW-10		
		Sample Date	5/30/2012			5/30/2012			5/30/2012		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	N/A	0.5	U		0.5	U		0.5	U	
Acetone	µg/L	N/A	5	U		5	U		5	U	
Carbon Disulfide	µg/L	N/A	0.5	U		0.5	U		0.5	U	
Methyl Acetate	µg/L	N/A	0.5	U		0.5	U		0.5	U	
Methylene Chloride	µg/L	46	0.5	U		0.5	U		0.5	U	
trans-1,2-Dichloroethene	µg/L	100	0.5	U		0.5	U		0.5	U	
Methyl tert-Butyl Ether	µg/L	N/A	0.5	U		0.5	U		0.5	U	
1,1-Dichloroethane	µg/L	N/A	0.5	U		0.5	U		0.5	U	
cis-1,2-Dichloroethene	µg/L	N/A	0.5	U		0.5	U		0.5	U	
2-Butanone	µg/L	N/A	5	U		5	U		5	U	
Chlorobromomethane	µg/L	N/A	0.5	U		0.5	U		0.5	U	
1,1,1-Trichloroethane	µg/L	200	0.5	U		0.5	U		0.5	U	
Cyclohexane	µg/L	N/A	0.5	U		0.5	U		0.5	U	
Trichloroethene	µg/L	5	0.5	U		0.5	U		0.5	U	
Metylcyclohexane	µg/L	N/A	0.5	U		0.5	U		0.5	U	
Bromodichloromethane	µg/L	5.5	0.5	U		0.5	U		0.5	U	
cis-1,3-Dichloropropene	µg/L	3.4	0.5	U		0.5	U		0.5	U	
4-Methyl-2-pentanone	µg/L	N/A	5	U		5	U		5	U	
Toluene	µg/L	1000	0.5	U		0.5	U		0.5	U	
2-Hexanone	µg/L	N/A	5	U		5	U		3.4	J	~
Dibromochloromethane	µg/L	4	0.5	U		0.5	U		0.5	U	
Chlorobenzene	µg/L	100	0.5	U		0.5	U		0.5	U	
Ethylbenzene	µg/L	530	0.5	U		0.5	U		0.5	U	
o-Xylene	µg/L	N/A	0.5	U		0.5	U		0.5	U	
m,p-Xylene	µg/L	N/A	0.5	U		0.5	U		0.5	U	

Surface Water Sampling Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SW-8			SW-9			SW-10		
		Location	SW-8			SW-9			SW-10		
		Sample Date	5/30/2012			5/30/2012			5/30/2012		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C
Styrene	µg/L	N/A	0.5	U		0.5	U		0.5	U	
Bromoform	µg/L	43	0.5	U		0.5	U		0.5	U	
Isopropylbenzene	µg/L	N/A	0.5	U		0.5	U		0.5	U	
1,3-Dichlorobenzene	µg/L	320	0.5	U		0.5	U		0.5	U	
1,2-Dichlorobenzene	µg/L	420	0.5	U		0.5	U		0.5	U	
1,2,4-Trichlorobenzene	µg/L	35	0.5	U		0.5	U		0.5	U	
1,2,3-Trichlorobenzene	µg/L	N/A	0.5	U		0.5	U		0.5	U	
1,1,2,2-Tetrachloroethane	µg/L	1.7	0.2	UJ		0.2	UJ		0.2	UJ	
1,1,2-Trichloroethane	µg/L	5	0.2	U		0.2	U		0.2	U	
1,2-Dichloroethane	µg/L	3.8	0.2	U		0.2	U		0.2	U	
1,2-Dichloropropane	µg/L	5	0.2	U		0.2	U		0.2	U	
1,4-Dichlorobenzene	µg/L	63	0.2	U		0.2	U		0.2	U	
Benzene	µg/L	5	0.2	U		0.2	U		0.2	U	
Carbon Tetrachloride	µg/L	2.3	0.2	U		0.2	U		0.2	U	
Chloroform	µg/L	57	0.2	U		0.2	U		0.2	U	
Tetrachloroethene	µg/L	5	4.1		#	1.8		#	2.1		#
trans-1,3-Dichloropropene	µg/L	3.4	0.2	U		0.2	U		0.2	U	
Vinyl Chloride	µg/L	0.25	0.2	U		0.2	U		0.2	U	
1,2-Dibromoethane	µg/L	N/A	0.2	U		0.2	U		0.2	U	
1,2-Dibromo-3-chloropropane	µg/L	N/A	0.2	U		0.2	U		0.2	U	

Notes:
Highlight indicates exceedance
SC - Site Specific Screening Criteria
ug/kg - microgram per kilogram
mg/kg - milligram per kilogram

Q - Qualifier
C - Comparison Flag

R2-0008754

Surface Water Sampling Results - Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

		Sample Code	SW-8			SW-9			SW-10		
		Location	SW-8			SW-9			SW-10		
		Sample Date	5/30/2012			5/30/2012			5/30/2012		
Chemical Name	Unit	SC	Result	Q	C	Result	Q	C	Result	Q	C

mm - millimeter
U - non-detect
J - estimated value
R - rejected data
N/A - not applicable
PCB - Polychlorinated Biphenyl

COMPARISON FLAGS:
A(a) - Detected sample value is greater than the limit
value when limit is upper ('a' for non-detected backgroud).
B - Detected sample value is less than the limit value
when limit is lower.
- Detected sample value does not exceed the limit.
~ - No comparison.

Indoor Air Vapor Intrusion Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \\ Location	AI-01-09132012 9/13/2012 AI-01		AI-02-09132012 9/13/2012 AI-02		AI-03-09132012 9/13/2012 AI-03		AI-04-09132012 9/13/2012 AI-04	
(Group Code)	**(Group Description)**										
TO-15	**AIR**										
71-55-6	1,1,1-Trichloroethane	TO-15	ug/m3	0.11	U	0.11	U	0.11	U	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	TO-15	ug/m3	0.14	U	0.14	U	0.14	U	0.14	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TO-15	ug/m3	0.61	U	0.61	U	0.61	U	0.69	
79-00-5	1,1,2-Trichloroethane	TO-15	ug/m3	0.11	U	0.11	U	0.11	U	0.11	U
75-34-3	1,1-Dichloroethane	TO-15	ug/m3	0.081	U	0.081	U	0.081	U	0.081	U
75-35-4	1,1-Dichloroethene	TO-15	ug/m3	0.079	U	0.079	U	0.079	U	0.079	U
120-82-1	1,2,4-Trichlorobenzene	TO-15	ug/m3	3.7	U	3.7	U	3.7	U	3.7	U
95-63-6	1,2,4-Trimethylbenzene	TO-15	ug/m3	2.2		1.1		0.98	U	5.3	
106-93-4	1,2-Dibromoethane	TO-15	ug/m3	0.15	U	0.15	U	0.15	U	0.15	U
95-50-1	1,2-Dichlorobenzene	TO-15	ug/m3	1.2	U	1.2	U	1.2	U	1.2	U
107-06-2	1,2-Dichloroethane	TO-15	ug/m3	0.16	U	0.16	U	0.16	U	2.5	
78-87-5	1,2-Dichloropropane	TO-15	ug/m3	0.18	U	0.18	U	0.18	U	0.18	U
76-14-2	1,2-Dichlorotetrafluoroethane;Fluorocarbon 114	TO-15	ug/m3	0.14	U	0.14	U	0.14	U	0.14	U
108-67-8	1,3,5-Trimethyl Benzene	TO-15	ug/m3	0.69		0.45		0.2	U	2.4	
541-73-1	1,3-Dichlorobenzene	TO-15	ug/m3	1.2	U	1.2	U	1.2	U	1.2	U
106-46-7	1,4-Dichlorobenzene	TO-15	ug/m3	1.2	U	1.2	U	1.2	U	1.7	
123-91-1	1,4-Dioxane	TO-15	ug/m3	18	U	18	U	18	U	18	U
107-05-1	3-Chloropropene	TO-15	ug/m3	0.13	U	0.13	U	0.13	U	0.13	U
622-96-8	4-Ethyltoluene	TO-15	ug/m3	0.75		0.48		0.12		2.4	
67-64-1	Acetone	TO-15	ug/m3	19		30		25		22	
71-43-2	Benzene	TO-15	ug/m3	1.5		1.4		0.48		1.9	
100-44-7	Benzyl Chloride	TO-15	ug/m3	1	U	1	U	1	U	1	U
75-27-4	Bromodichloromethane	TO-15	ug/m3	0.13	U	0.13	U	0.13	U	0.13	U
75-25-2	Bromoform	TO-15	ug/m3	0.21	U	0.21	U	0.21	U	0.21	U
74-83-9	Bromomethane	TO-15	ug/m3	0.16	U	0.16	U	0.16	U	0.16	U
75-15-0	Carbon Disulfide	TO-15	ug/m3	1.6	U	1.6	U	1.6	U	1.6	U
56-23-5	Carbon Tetrachloride	TO-15	ug/m3	0.4		0.72		0.43		0.45	
108-90-7	Chlorobenzene	TO-15	ug/m3	0.92	U	0.92	U	0.92	U	0.92	U
75-00-3	Chloroethane	TO-15	ug/m3	0.11	U	0.15		0.11	U	0.15	
67-66-3	Chloroform	TO-15	ug/m3	0.65		0.93		0.11		2.7	
74-87-3	Chloromethane	TO-15	ug/m3	1.3		1.4		1.3		1.5	
156-59-2	cis-1,2-Dichloroethene	TO-15	ug/m3	0.13		0.21		0.093		0.079	U
10061-01-5	cis-1,3-Dichloropropene	TO-15	ug/m3	0.091	U	0.091	U	0.091	U	0.091	U
124-48-1	Dibromochloromethane	TO-15	ug/m3	0.17	U	0.17	U	0.17	U	0.17	U
75-71-8	Dichlorodifluoromethane	TO-15	ug/m3	2.7		2.8		2.8		2.9	
100-41-4	Ethylbenzene	TO-15	ug/m3	1.2		1.9		0.37		5.2	
87-68-3	Hexachlorobutadiene	TO-15	ug/m3	2.1	U	2.1	U	2.1	U	2.1	U

Indoor Air Vapor Intrusion Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \\ Location	AI-01-09132012 9/13/2012 AI-01		AI-02-09132012 9/13/2012 AI-02		AI-03-09132012 9/13/2012 AI-03		AI-04-09132012 9/13/2012 AI-04	
591-78-6	2-Hexanone	TO-15	ug/m3	2	U	2	U	2	U	2	U
75-09-2	Methylene Chloride	TO-15	ug/m3	1.7	U	1.7	U	2.1		1.7	U
78-93-3	2-Butanone	TO-15	ug/m3	2.6		1.5	U	3.2		4.6	
108-10-1	4-Methyl-2-pentanone	TO-15	ug/m3	2	U	2	U	2	U	2	U
80-62-6	Methyl Methacrylate	TO-15	ug/m3	2	U	2	U	2	U	2	U
1634-04-4	Methyl tert-Butyl Ether	TO-15	ug/m3	0.072	U	0.072	U	0.072	U	0.074	
179601-23-1	m,p-Xylene	TO-15	ug/m3	3.2		5.4		0.99		14	D
91-20-3	Naphthalene	TO-15	ug/m3	2.6	U	2.6	U	2.6	U	2.6	U
142-82-5	n-Heptane	TO-15	ug/m3	0.82		1.1		0.34		2.2	
95-47-6	o-Xylene	TO-15	ug/m3	1.2		1.8		0.42		7.3	
100-42-5	Styrene	TO-15	ug/m3	0.85	U	0.85	U	0.85	U	0.85	U
127-18-4	Tetrachloroethene	TO-15	ug/m3	4.8		0.18		1.1		0.21	
108-88-3	Toluene	TO-15	ug/m3	6.3		7.5		2.1		15	D
156-60-5	trans-1,2-Dichloroethene	TO-15	ug/m3	0.079	U	0.083		0.079	U	0.079	U
10061-02-6	trans-1,3-Dichloropropene	TO-15	ug/m3	0.091	U	0.091	U	0.091	U	0.091	U
79-01-6	Trichloroethene	TO-15	ug/m3	0.2		0.14		0.11	U	0.22	
75-69-4	Trichlorofluoromethane	TO-15	ug/m3	1.3		1.3		1.3		1.4	
108-05-4	Vinyl Acetate	TO-15	ug/m3	18	U	18	U	18	U	18	U
75-01-4	Vinyl Chloride	TO-15	ug/m3	0.1	U	0.1	U	0.1	U	0.1	U
TO15-PPBV	**AIR**										
71-55-6	1,1,1-Trichloroethane	TO15-ppbv	ppbv	0.02	U	0.02	U	0.02	U	0.02	U
79-34-5	1,1,2,2-Tetrachloroethane	TO15-ppbv	ppbv	0.02	U	0.02	U	0.02	U	0.02	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TO15-ppbv	ppbv	0.08	U	0.08	U	0.08	U	0.091	
79-00-5	1,1,2-Trichloroethane	TO15-ppbv	ppbv	0.02	U	0.02	U	0.02	U	0.02	U
75-34-3	1,1-Dichloroethane	TO15-ppbv	ppbv	0.02	U	0.02	U	0.02	U	0.02	U
75-35-4	1,1-Dichloroethene	TO15-ppbv	ppbv	0.02	U	0.02	U	0.02	U	0.02	U
120-82-1	1,2,4-Trichlorobenzene	TO15-ppbv	ppbv	0.5	U	0.5	U	0.5	U	0.5	U
95-63-6	1,2,4-Trimethylbenzene	TO15-ppbv	ppbv	0.44		0.23		0.2	U	1.1	
106-93-4	1,2-Dibromoethane	TO15-ppbv	ppbv	0.02	U	0.02	U	0.02	U	0.02	U
95-50-1	1,2-Dichlorobenzene	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U	0.2	U
107-06-2	1,2-Dichloroethane	TO15-ppbv	ppbv	0.04	U	0.04	U	0.04	U	0.63	
78-87-5	1,2-Dichloropropane	TO15-ppbv	ppbv	0.04	U	0.04	U	0.04	U	0.04	U
76-14-2	1,2-Dichlorotetrafluoroethane;Fluorocarbon 114	TO15-ppbv	ppbv	0.02	U	0.02	U	0.02	U	0.02	U
108-67-8	1,3,5-Trimethyl Benzene	TO15-ppbv	ppbv	0.14		0.092		0.04	U	0.49	
541-73-1	1,3-Dichlorobenzene	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U	0.2	U
106-46-7	1,4-Dichlorobenzene	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U	0.28	
123-91-1	1,4-Dioxane	TO15-ppbv	ppbv	5	U	5	U	5	U	5	U
107-05-1	3-Chloropropene	TO15-ppbv	ppbv	0.04	U	0.04	U	0.04	U	0.04	U

Indoor Air Vapor Intrusion Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \\ Location	AI-01-09132012 9/13/2012 AI-01		AI-02-09132012 9/13/2012 AI-02		AI-03-09132012 9/13/2012 AI-03		AI-04-09132012 9/13/2012 AI-04	
622-96-8	4-Ethyltoluene	TO15-ppbv	ppbv	0.15		0.097		0.025		0.49	
67-64-1	Acetone	TO15-ppbv	ppbv	8		13		10		9.2	
71-43-2	Benzene	TO15-ppbv	ppbv	0.46		0.43		0.15		0.6	
100-44-7	Benzyl Chloride	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U	0.2	U
75-27-4	Bromodichloromethane	TO15-ppbv	ppbv	0.02	U	0.02	U	0.02	U	0.02	U
75-25-2	Bromoform	TO15-ppbv	ppbv	0.02	U	0.02	U	0.02	U	0.02	U
74-83-9	Bromomethane	TO15-ppbv	ppbv	0.04	U	0.04	U	0.04	U	0.04	U
75-15-0	Carbon Disulfide	TO15-ppbv	ppbv	0.5	U	0.5	U	0.5	U	0.5	U
56-23-5	Carbon Tetrachloride	TO15-ppbv	ppbv	0.064		0.11		0.068		0.072	
108-90-7	Chlorobenzene	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U	0.2	U
75-00-3	Chloroethane	TO15-ppbv	ppbv	0.04	U	0.056		0.04	U	0.056	
67-66-3	Chloroform	TO15-ppbv	ppbv	0.13		0.19		0.022		0.56	
74-87-3	Chloromethane	TO15-ppbv	ppbv	0.61		0.7		0.61		0.74	
156-59-2	cis-1,2-Dichloroethene	TO15-ppbv	ppbv	0.034		0.053		0.024		0.02	U
10061-01-5	cis-1,3-Dichloropropene	TO15-ppbv	ppbv	0.02	U	0.02	U	0.02	U	0.02	U
124-48-1	Dibromochloromethane	TO15-ppbv	ppbv	0.02	U	0.02	U	0.02	U	0.02	U
75-71-8	Dichlorodifluoromethane	TO15-ppbv	ppbv	0.55		0.57		0.56		0.58	
100-41-4	Ethylbenzene	TO15-ppbv	ppbv	0.27		0.43		0.086		1.2	
87-68-3	Hexachlorobutadiene	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U	0.2	U
591-78-6	2-Hexanone	TO15-ppbv	ppbv	0.5	U	0.5	U	0.5	U	0.5	U
75-09-2	Methylene Chloride	TO15-ppbv	ppbv	0.5	U	0.5	U	0.61		0.5	U
78-93-3	2-Butanone	TO15-ppbv	ppbv	0.9		0.5	U	1.1		1.6	
108-10-1	4-Methyl-2-pentanone	TO15-ppbv	ppbv	0.5	U	0.5	U	0.5	U	0.5	U
80-62-6	Methyl Methacrylate	TO15-ppbv	ppbv	0.5	U	0.5	U	0.5	U	0.5	U
1634-04-4	Methyl tert-Butyl Ether	TO15-ppbv	ppbv	0.02	U	0.02	U	0.02	U	0.021	
179601-23-1	m,p-Xylene	TO15-ppbv	ppbv	0.75		1.3		0.23		3.1	D
91-20-3	Naphthalene	TO15-ppbv	ppbv	0.5	U	0.5	U	0.5	U	0.5	U
142-82-5	n-Heptane	TO15-ppbv	ppbv	0.2		0.27		0.084		0.54	
95-47-6	o-Xylene	TO15-ppbv	ppbv	0.27		0.41		0.096		1.7	
100-42-5	Styrene	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U	0.2	U
127-18-4	Tetrachloroethene	TO15-ppbv	ppbv	0.71		0.026		0.16		0.032	
108-88-3	Toluene	TO15-ppbv	ppbv	1.7		2		0.55		4	D
156-60-5	trans-1,2-Dichloroethene	TO15-ppbv	ppbv	0.02	U	0.021		0.02	U	0.02	U
10061-02-6	trans-1,3-Dichloropropene	TO15-ppbv	ppbv	0.02	U	0.02	U	0.02	U	0.02	U
79-01-6	Trichloroethene	TO15-ppbv	ppbv	0.038		0.027		0.02	U	0.041	
75-69-4	Trichlorofluoromethane	TO15-ppbv	ppbv	0.23		0.23		0.23		0.25	
108-05-4	Vinyl Acetate	TO15-ppbv	ppbv	5	U	5	U	5	U	5	U
75-01-4	Vinyl Chloride	TO15-ppbv	ppbv	0.04	U	0.04	U	0.04	U	0.04	U

Indoor Air Vapor Intrusion Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \\ Location	AI-05-09132012 9/13/2012 AI-05		AI-06-09132012 9/13/2012 AI-06		AI-07-09132012 9/13/2012 AI-07		AI-08-09132012 9/13/2012 AI-08	
(Group Code)	**(Group Description)**										
TO-15	**AIR**										
71-55-6	1,1,1-Trichloroethane	TO-15	ug/m3	5.5	U	4.4	U	0.11	U	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	TO-15	ug/m3	6.9	U	5.5	U	0.53		0.14	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TO-15	ug/m3	7.7	U	6.1	U	0.7		0.67	
79-00-5	1,1,2-Trichloroethane	TO-15	ug/m3	5.5	U	4.4	U	0.11	U	0.11	U
75-34-3	1,1-Dichloroethane	TO-15	ug/m3	4	U	3.2	U	0.081	U	0.081	U
75-35-4	1,1-Dichloroethene	TO-15	ug/m3	4	U	3.2	U	0.079	U	0.079	U
120-82-1	1,2,4-Trichlorobenzene	TO-15	ug/m3	19	U	15	U	3.7	U	3.7	U
95-63-6	1,2,4-Trimethylbenzene	TO-15	ug/m3	11		5.5		0.98	U	0.98	U
106-93-4	1,2-Dibromoethane	TO-15	ug/m3	7.7	U	6.1	U	0.15	U	0.15	U
95-50-1	1,2-Dichlorobenzene	TO-15	ug/m3	6	U	4.8	U	1.2	U	1.2	U
107-06-2	1,2-Dichloroethane	TO-15	ug/m3	4	U	3.2	U	0.16	U	0.16	U
78-87-5	1,2-Dichloropropane	TO-15	ug/m3	4.6	U	3.7	U	0.18	U	0.18	U
76-14-2	1,2-Dichlorotetrafluoroethane;Fluorocarbon 114	TO-15	ug/m3	7	U	5.6	U	0.14	U	0.14	U
108-67-8	1,3,5-Trimethyl Benzene	TO-15	ug/m3	4.9	U	3.9	U	0.22		0.27	
541-73-1	1,3-Dichlorobenzene	TO-15	ug/m3	6	U	4.8	U	1.2	U	1.2	U
106-46-7	1,4-Dichlorobenzene	TO-15	ug/m3	47		21		1.2	U	1.2	U
123-91-1	1,4-Dioxane	TO-15	ug/m3	90	U	72	U	18	U	18	U
107-05-1	3-Chloropropene	TO-15	ug/m3	7.8	U	6.3	U	0.13	U	0.13	U
622-96-8	4-Ethyltoluene	TO-15	ug/m3	4.9	U	3.9	U	0.23		0.36	
67-64-1	Acetone	TO-15	ug/m3	130		110		14		27	
71-43-2	Benzene	TO-15	ug/m3	3.2	U	2.6	U	0.48		0.56	
100-44-7	Benzyl Chloride	TO-15	ug/m3	5.2	U	4.1	U	1	U	1	U
75-27-4	Bromodichloromethane	TO-15	ug/m3	6.7	U	5.4	U	0.13	U	0.13	U
75-25-2	Bromoform	TO-15	ug/m3	10	U	8.3	U	0.21	U	0.21	U
74-83-9	Bromomethane	TO-15	ug/m3	3.9	U	3.1	U	0.16	U	0.16	U
75-15-0	Carbon Disulfide	TO-15	ug/m3	7.8	U	6.2	U	1.6	U	1.6	U
56-23-5	Carbon Tetrachloride	TO-15	ug/m3	6.3	U	5	U	0.46		0.45	
108-90-7	Chlorobenzene	TO-15	ug/m3	4.6	U	3.7	U	0.92	U	0.92	U
75-00-3	Chloroethane	TO-15	ug/m3	6.6	U	5.3	U	0.11	U	0.14	
67-66-3	Chloroform	TO-15	ug/m3	4.9	U	3.9	U	0.12		0.18	
74-87-3	Chloromethane	TO-15	ug/m3	5.2	U	4.1	U	1.3		1.4	
156-59-2	cis-1,2-Dichloroethene	TO-15	ug/m3	4	U	3.2	U	0.16		0.13	
10061-01-5	cis-1,3-Dichloropropene	TO-15	ug/m3	4.5	U	3.6	U	0.091	U	0.091	U
124-48-1	Dibromochloromethane	TO-15	ug/m3	8.5	U	6.8	U	0.17	U	0.17	U
75-71-8	Dichlorodifluoromethane	TO-15	ug/m3	12	U	9.9	U	2.8		2.8	
100-41-4	Ethylbenzene	TO-15	ug/m3	4.3	U	3.5	U	0.45		0.84	
87-68-3	Hexachlorobutadiene	TO-15	ug/m3	11	U	8.5	U	2.1	U	2.1	U

Indoor Air Vapor Intrusion Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Cas Rn	Chemical Name	Analytic Method	Sample Code / Sample Name / Sample Date / Unit \\ Location	AI-05-09132012 / 9/13/2012 / AI-05		AI-06-09132012 / 9/13/2012 / AI-06		AI-07-09132012 / 9/13/2012 / AI-07		AI-08-09132012 / 9/13/2012 / AI-08	
591-78-6	2-Hexanone	TO-15	ug/m3	10	U	8.2	U	2	U	2	U
75-09-2	Methylene Chloride	TO-15	ug/m3	8.7	U	6.9	U	4.3		2.9	
78-93-3	2-Butanone	TO-15	ug/m3	53		42		1.7		4.7	
108-10-1	4-Methyl-2-pentanone	TO-15	ug/m3	10	U	8.2	U	2	U	2	U
80-62-6	Methyl Methacrylate	TO-15	ug/m3	10	U	8.2	U	2	U	2	U
1634-04-4	Methyl tert-Butyl Ether	TO-15	ug/m3	3.6	U	2.9	U	0.072	U	0.072	U
179601-23-1	m,p-Xylene	TO-15	ug/m3	11	U	8.7	U	1.4		2.7	
91-20-3	Naphthalene	TO-15	ug/m3	13	U	10	U	2.6	U	2.6	U
142-82-5	n-Heptane	TO-15	ug/m3	10		14		0.36		0.77	
95-47-6	o-Xylene	TO-15	ug/m3	4.3	U	3.5	U	0.5		0.95	
100-42-5	Styrene	TO-15	ug/m3	4.3	U	3.4	U	0.85	U	0.85	U
127-18-4	Tetrachloroethene	TO-15	ug/m3	6.8	U	5.4	U	31	D	9.3	
108-88-3	Toluene	TO-15	ug/m3	34		40		12	D	18	D
156-60-5	trans-1,2-Dichloroethene	TO-15	ug/m3	4	U	3.2	U	0.079	U	0.079	U
10061-02-6	trans-1,3-Dichloropropene	TO-15	ug/m3	4.5	U	3.6	U	0.091	U	0.091	U
79-01-6	Trichloroethene	TO-15	ug/m3	5.4	U	4.3	U	0.69		0.13	
75-69-4	Trichlorofluoromethane	TO-15	ug/m3	8.5		6.1		1.4		1.4	
108-05-4	Vinyl Acetate	TO-15	ug/m3	88	U	70	U	18	U	18	U
75-01-4	Vinyl Chloride	TO-15	ug/m3	2.6	U	2	U	0.1	U	0.1	U
TO15-PPBV	**AIR**										
71-55-6	1,1,1-Trichloroethane	TO15-ppbv	ppbv	1	U	0.8	U	0.02	U	0.02	U
79-34-5	1,1,2,2-Tetrachloroethane	TO15-ppbv	ppbv	1	U	0.8	U	0.078		0.02	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TO15-ppbv	ppbv	1	U	0.8	U	0.092		0.088	
79-00-5	1,1,2-Trichloroethane	TO15-ppbv	ppbv	1	U	0.8	U	0.02	U	0.02	U
75-34-3	1,1-Dichloroethane	TO15-ppbv	ppbv	1	U	0.8	U	0.02	U	0.02	U
75-35-4	1,1-Dichloroethene	TO15-ppbv	ppbv	1	U	0.8	U	0.02	U	0.02	U
120-82-1	1,2,4-Trichlorobenzene	TO15-ppbv	ppbv	2.5	U	2	U	0.5	U	0.5	U
95-63-6	1,2,4-Trimethylbenzene	TO15-ppbv	ppbv	2.2		1.1		0.2	U	0.2	U
106-93-4	1,2-Dibromoethane	TO15-ppbv	ppbv	1	U	0.8	U	0.02	U	0.02	U
95-50-1	1,2-Dichlorobenzene	TO15-ppbv	ppbv	1	U	0.8	U	0.2	U	0.2	U
107-06-2	1,2-Dichloroethane	TO15-ppbv	ppbv	1	U	0.8	U	0.04	U	0.04	U
78-87-5	1,2-Dichloropropane	TO15-ppbv	ppbv	1	U	0.8	U	0.04	U	0.04	U
76-14-2	1,2-Dichlorotetrafluoroethane;Fluorocarbon 114	TO15-ppbv	ppbv	1	U	0.8	U	0.02	U	0.02	U
108-67-8	1,3,5-Trimethyl Benzene	TO15-ppbv	ppbv	1	U	0.8	U	0.045		0.055	
541-73-1	1,3-Dichlorobenzene	TO15-ppbv	ppbv	1	U	0.8	U	0.2	U	0.2	U
106-46-7	1,4-Dichlorobenzene	TO15-ppbv	ppbv	7.8		3.4		0.2	U	0.2	U
123-91-1	1,4-Dioxane	TO15-ppbv	ppbv	25	U	20	U	5	U	5	U
107-05-1	3-Chloropropene	TO15-ppbv	ppbv	2.5	U	2	U	0.04	U	0.04	U

Indoor Air Vapor Intrusion Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \\ Location	AI-05-09132012 9/13/2012 AI-05		AI-06-09132012 9/13/2012 AI-06		AI-07-09132012 9/13/2012 AI-07		AI-08-09132012 9/13/2012 AI-08	
622-96-8	4-Ethyltoluene	TO15-ppbv	ppbv	1	U	0.8	U	0.048		0.072	
67-64-1	Acetone	TO15-ppbv	ppbv	53		45		5.8		11	
71-43-2	Benzene	TO15-ppbv	ppbv	1	U	0.8	U	0.15		0.17	
100-44-7	Benzyl Chloride	TO15-ppbv	ppbv	1	U	0.8	U	0.2	U	0.2	U
75-27-4	Bromodichloromethane	TO15-ppbv	ppbv	1	U	0.8	U	0.02	U	0.02	U
75-25-2	Bromoform	TO15-ppbv	ppbv	1	U	0.8	U	0.02	U	0.02	U
74-83-9	Bromomethane	TO15-ppbv	ppbv	1	U	0.8	U	0.04	U	0.04	U
75-15-0	Carbon Disulfide	TO15-ppbv	ppbv	2.5	U	2	U	0.5	U	0.5	U
56-23-5	Carbon Tetrachloride	TO15-ppbv	ppbv	1	U	0.8	U	0.074		0.072	
108-90-7	Chlorobenzene	TO15-ppbv	ppbv	1	U	0.8	U	0.2	U	0.2	U
75-00-3	Chloroethane	TO15-ppbv	ppbv	2.5	U	2	U	0.04	U	0.051	
67-66-3	Chloroform	TO15-ppbv	ppbv	1	U	0.8	U	0.026		0.036	
74-87-3	Chloromethane	TO15-ppbv	ppbv	2.5	U	2	U	0.65		0.66	
156-59-2	cis-1,2-Dichloroethene	TO15-ppbv	ppbv	1	U	0.8	U	0.039		0.034	
10061-01-5	cis-1,3-Dichloropropene	TO15-ppbv	ppbv	1	U	0.8	U	0.02	U	0.02	U
124-48-1	Dibromochloromethane	TO15-ppbv	ppbv	1	U	0.8	U	0.02	U	0.02	U
75-71-8	Dichlorodifluoromethane	TO15-ppbv	ppbv	2.5	U	2	U	0.57		0.57	
100-41-4	Ethylbenzene	TO15-ppbv	ppbv	1	U	0.8	U	0.1		0.19	
87-68-3	Hexachlorobutadiene	TO15-ppbv	ppbv	1	U	0.8	U	0.2	U	0.2	U
591-78-6	2-Hexanone	TO15-ppbv	ppbv	2.5	U	2	U	0.5	U	0.5	U
75-09-2	Methylene Chloride	TO15-ppbv	ppbv	2.5	U	2	U	1.2		0.85	
78-93-3	2-Butanone	TO15-ppbv	ppbv	18		14		0.56		1.6	
108-10-1	4-Methyl-2-pentanone	TO15-ppbv	ppbv	2.5	U	2	U	0.5	U	0.5	U
80-62-6	Methyl Methacrylate	TO15-ppbv	ppbv	2.5	U	2	U	0.5	U	0.5	U
1634-04-4	Methyl tert-Butyl Ether	TO15-ppbv	ppbv	1	U	0.8	U	0.02	U	0.02	U
179601-23-1	m,p-Xylene	TO15-ppbv	ppbv	2.5	U	2	U	0.31		0.63	
91-20-3	Naphthalene	TO15-ppbv	ppbv	2.5	U	2	U	0.5	U	0.5	U
142-82-5	n-Heptane	TO15-ppbv	ppbv	2.4		3.3		0.087		0.19	
95-47-6	o-Xylene	TO15-ppbv	ppbv	1	U	0.8	U	0.12		0.22	
100-42-5	Styrene	TO15-ppbv	ppbv	1	U	0.8	U	0.2	U	0.2	U
127-18-4	Tetrachloroethene	TO15-ppbv	ppbv	1	U	0.8	U	4.6	D	1.4	
108-88-3	Toluene	TO15-ppbv	ppbv	9.1		11		3.1	D	4.8	D
156-60-5	trans-1,2-Dichloroethene	TO15-ppbv	ppbv	1	U	0.8	U	0.02	U	0.02	U
10061-02-6	trans-1,3-Dichloropropene	TO15-ppbv	ppbv	1	U	0.8	U	0.02	U	0.02	U
79-01-6	Trichloroethene	TO15-ppbv	ppbv	1	U	0.8	U	0.13		0.023	
75-69-4	Trichlorofluoromethane	TO15-ppbv	ppbv	1.5		1.1		0.24		0.24	
108-05-4	Vinyl Acetate	TO15-ppbv	ppbv	25	U	20	U	5	U	5	U
75-01-4	Vinyl Chloride	TO15-ppbv	ppbv	1	U	0.8	U	0.04	U	0.04	U

Indoor Air Vapor Intrusion Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \\ Location	AI-09-09132012 9/13/2012 AI-09		AI-10-09132012 9/13/2012 AI-10		AI-210-09132012 9/13/2012 AI-10	
(Group Code)	**(Group Description)**								
TO-15	**AIR**								
71-55-6	1,1,1-Trichloroethane	TO-15	ug/m3	2.2	U	2.2	U	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	TO-15	ug/m3	2.7	U	2.7	U	1.4	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TO-15	ug/m3	3.1	U	3.1	U	1.5	U
79-00-5	1,1,2-Trichloroethane	TO-15	ug/m3	2.2	U	2.2	U	1.1	U
75-34-3	1,1-Dichloroethane	TO-15	ug/m3	1.6	U	1.6	U	0.81	U
75-35-4	1,1-Dichloroethene	TO-15	ug/m3	1.6	U	1.6	U	0.79	U
120-82-1	1,2,4-Trichlorobenzene	TO-15	ug/m3	7.4	U	7.4	U	3.7	U
95-63-6	1,2,4-Trimethylbenzene	TO-15	ug/m3	24		20		21	
106-93-4	1,2-Dibromoethane	TO-15	ug/m3	3.1	U	3.1	U	1.5	U
95-50-1	1,2-Dichlorobenzene	TO-15	ug/m3	2.4	U	2.4	U	1.2	U
107-06-2	1,2-Dichloroethane	TO-15	ug/m3	1.6	U	1.6	U	0.81	U
78-87-5	1,2-Dichloropropane	TO-15	ug/m3	2.2		1.8	U	1.1	
76-14-2	1,2-Dichlorotetrafluoroethane;Fluorocarbon 114	TO-15	ug/m3	2.8	U	2.8	U	1.4	U
108-67-8	1,3,5-Trimethyl Benzene	TO-15	ug/m3	6.7		5.6		5.8	
541-73-1	1,3-Dichlorobenzene	TO-15	ug/m3	2.4	U	2.4	U	1.2	U
106-46-7	1,4-Dichlorobenzene	TO-15	ug/m3	2.4	U	2.4	U	1.2	U
123-91-1	1,4-Dioxane	TO-15	ug/m3	36	U	36	U	18	U
107-05-1	3-Chloropropene	TO-15	ug/m3	3.1	U	3.1	U	1.6	U
622-96-8	4-Ethyltoluene	TO-15	ug/m3	9.9		8.1		8.4	
67-64-1	Acetone	TO-15	ug/m3	480	D	520	D	390	D
71-43-2	Benzene	TO-15	ug/m3	2.1		1.8		1.7	
100-44-7	Benzyl Chloride	TO-15	ug/m3	2.1	U	2.1	U	1	U
75-27-4	Bromodichloromethane	TO-15	ug/m3	2.7	U	2.7	U	1.3	U
75-25-2	Bromoform	TO-15	ug/m3	4.1	U	4.1	U	2.1	U
74-83-9	Bromomethane	TO-15	ug/m3	1.6	U	1.6	U	0.78	U
75-15-0	Carbon Disulfide	TO-15	ug/m3	3.1	U	3.1	U	1.6	U
56-23-5	Carbon Tetrachloride	TO-15	ug/m3	2.5	U	2.5	U	1.3	U
108-90-7	Chlorobenzene	TO-15	ug/m3	1.8	U	1.8	U	0.92	U
75-00-3	Chloroethane	TO-15	ug/m3	2.6	U	2.6	U	1.3	U
67-66-3	Chloroform	TO-15	ug/m3	2	U	2	U	0.98	U
74-87-3	Chloromethane	TO-15	ug/m3	2.1	U	2.1	U	1.2	
156-59-2	cis-1,2-Dichloroethene	TO-15	ug/m3	1.6	U	1.6	U	0.79	U
10061-01-5	cis-1,3-Dichloropropene	TO-15	ug/m3	1.8	U	1.8	U	0.91	U
124-48-1	Dibromochloromethane	TO-15	ug/m3	3.4	U	3.4	U	1.7	U
75-71-8	Dichlorodifluoromethane	TO-15	ug/m3	4.9	U	4.9	U	2.5	U
100-41-4	Ethylbenzene	TO-15	ug/m3	7.5		6.9		7	
87-68-3	Hexachlorobutadiene	TO-15	ug/m3	4.3	U	4.3	U	2.1	U

Indoor Air Vapor Intrusion Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \\ Location	AI-09-09132012 9/13/2012 AI-09		AI-10-09132012 9/13/2012 AI-10		AI-210-09132012 9/13/2012 AI-10	
591-78-6	2-Hexanone	TO-15	ug/m3	4.1	U	4.1	U	2	U
75-09-2	Methylene Chloride	TO-15	ug/m3	17		15		10	
78-93-3	2-Butanone	TO-15	ug/m3	20		27		23	
108-10-1	4-Methyl-2-pentanone	TO-15	ug/m3	16		16		14	
80-62-6	Methyl Methacrylate	TO-15	ug/m3	4.1	U	4.1	U	2	U
1634-04-4	Methyl tert-Butyl Ether	TO-15	ug/m3	1.4	U	1.4	U	0.72	U
179601-23-1	m,p-Xylene	TO-15	ug/m3	31		28		28	
91-20-3	Naphthalene	TO-15	ug/m3	5.2	U	5.2	U	2.6	U
142-82-5	n-Heptane	TO-15	ug/m3	2.2		1.8		1.6	
95-47-6	o-Xylene	TO-15	ug/m3	10		8.9		9	
100-42-5	Styrene	TO-15	ug/m3	1.7	U	1.7	U	0.92	
127-18-4	Tetrachloroethene	TO-15	ug/m3	2.7	U	2.7	U	1.4	U
108-88-3	Toluene	TO-15	ug/m3	1000	D	1100	D	620	D
156-60-5	trans-1,2-Dichloroethene	TO-15	ug/m3	1.6	U	1.6	U	0.79	U
10061-02-6	trans-1,3-Dichloropropene	TO-15	ug/m3	1.8	U	1.8	U	0.91	U
79-01-6	Trichloroethene	TO-15	ug/m3	2.1	U	2.1	U	1.1	U
75-69-4	Trichlorofluoromethane	TO-15	ug/m3	2.2	U	2.2	U	1.2	
108-05-4	Vinyl Acetate	TO-15	ug/m3	35	U	180	U	18	U
75-01-4	Vinyl Chloride	TO-15	ug/m3	1	U	1	U	0.51	U
TO15-PPBV	**AIR**								
71-55-6	1,1,1-Trichloroethane	TO15-ppbv	ppbv	0.4	U	0.4	U	0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	TO15-ppbv	ppbv	0.4	U	0.4	U	0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TO15-ppbv	ppbv	0.4	U	0.4	U	0.2	U
79-00-5	1,1,2-Trichloroethane	TO15-ppbv	ppbv	0.4	U	0.4	U	0.2	U
75-34-3	1,1-Dichloroethane	TO15-ppbv	ppbv	0.4	U	0.4	U	0.2	U
75-35-4	1,1-Dichloroethene	TO15-ppbv	ppbv	0.4	U	0.4	U	0.2	U
120-82-1	1,2,4-Trichlorobenzene	TO15-ppbv	ppbv	1	U	1	U	0.5	U
95-63-6	1,2,4-Trimethylbenzene	TO15-ppbv	ppbv	4.9		4		4.2	
106-93-4	1,2-Dibromoethane	TO15-ppbv	ppbv	0.4	U	0.4	U	0.2	U
95-50-1	1,2-Dichlorobenzene	TO15-ppbv	ppbv	0.4	U	0.4	U	0.2	U
107-06-2	1,2-Dichloroethane	TO15-ppbv	ppbv	0.4	U	0.4	U	0.2	U
78-87-5	1,2-Dichloropropane	TO15-ppbv	ppbv	0.48		0.4	U	0.23	
76-14-2	1,2-Dichlorotetrafluoroethane;Fluorocarbon 114	TO15-ppbv	ppbv	0.4	U	0.4	U	0.2	U
108-67-8	1,3,5-Trimethyl Benzene	TO15-ppbv	ppbv	1.4		1.1		1.2	
541-73-1	1,3-Dichlorobenzene	TO15-ppbv	ppbv	0.4	U	0.4	U	0.2	U
106-46-7	1,4-Dichlorobenzene	TO15-ppbv	ppbv	0.4	U	0.4	U	0.2	U
123-91-1	1,4-Dioxane	TO15-ppbv	ppbv	10	U	10	U	5	U
107-05-1	3-Chloropropene	TO15-ppbv	ppbv	1	U	1	U	0.5	U

Indoor Air Vapor Intrusion Sample Results Full Table
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \\ Location	AI-09-09132012 9/13/2012 AI-09		AI-10-09132012 9/13/2012 AI-10		AI-210-09132012 9/13/2012 AI-10	
622-96-8	4-Ethyltoluene	TO15-ppbv	ppbv	2		1.6		1.7	
67-64-1	Acetone	TO15-ppbv	ppbv	200	D	220	D	170	D
71-43-2	Benzene	TO15-ppbv	ppbv	0.65		0.57		0.53	
100-44-7	Benzyl Chloride	TO15-ppbv	ppbv	0.4	U	0.4	U	0.2	U
75-27-4	Bromodichloromethane	TO15-ppbv	ppbv	0.4	U	0.4	U	0.2	U
75-25-2	Bromoform	TO15-ppbv	ppbv	0.4	U	0.4	U	0.2	U
74-83-9	Bromomethane	TO15-ppbv	ppbv	0.4	U	0.4	U	0.2	U
75-15-0	Carbon Disulfide	TO15-ppbv	ppbv	1	U	1	U	0.5	U
56-23-5	Carbon Tetrachloride	TO15-ppbv	ppbv	0.4	U	0.4	U	0.2	U
108-90-7	Chlorobenzene	TO15-ppbv	ppbv	0.4	U	0.4	U	0.2	U
75-00-3	Chloroethane	TO15-ppbv	ppbv	1	U	1	U	0.5	U
67-66-3	Chloroform	TO15-ppbv	ppbv	0.4	U	0.4	U	0.2	U
74-87-3	Chloromethane	TO15-ppbv	ppbv	1	U	1	U	0.6	
156-59-2	cis-1,2-Dichloroethene	TO15-ppbv	ppbv	0.4	U	0.4	U	0.2	U
10061-01-5	cis-1,3-Dichloropropene	TO15-ppbv	ppbv	0.4	U	0.4	U	0.2	U
124-48-1	Dibromochloromethane	TO15-ppbv	ppbv	0.4	U	0.4	U	0.2	U
75-71-8	Dichlorodifluoromethane	TO15-ppbv	ppbv	1	U	1	U	0.5	U
100-41-4	Ethylbenzene	TO15-ppbv	ppbv	1.7		1.6		1.6	
87-68-3	Hexachlorobutadiene	TO15-ppbv	ppbv	0.4	U	0.4	U	0.2	U
591-78-6	2-Hexanone	TO15-ppbv	ppbv	1	U	1	U	0.5	U
75-09-2	Methylene Chloride	TO15-ppbv	ppbv	4.8		4.3		3	
78-93-3	2-Butanone	TO15-ppbv	ppbv	6.7		9		7.7	
108-10-1	4-Methyl-2-pentanone	TO15-ppbv	ppbv	3.9		4		3.5	
80-62-6	Methyl Methacrylate	TO15-ppbv	ppbv	1	U	1	U	0.5	U
1634-04-4	Methyl tert-Butyl Ether	TO15-ppbv	ppbv	0.4	U	0.4	U	0.2	U
179601-23-1	m,p-Xylene	TO15-ppbv	ppbv	7.1		6.4		6.5	
91-20-3	Naphthalene	TO15-ppbv	ppbv	1	U	1	U	0.5	U
142-82-5	n-Heptane	TO15-ppbv	ppbv	0.53		0.43		0.4	
95-47-6	o-Xylene	TO15-ppbv	ppbv	2.3		2		2.1	
100-42-5	Styrene	TO15-ppbv	ppbv	0.4	U	0.4	U	0.22	
127-18-4	Tetrachloroethene	TO15-ppbv	ppbv	0.4	U	0.4	U	0.2	U
108-88-3	Toluene	TO15-ppbv	ppbv	280	D	300	D	160	D
156-60-5	trans-1,2-Dichloroethene	TO15-ppbv	ppbv	0.4	U	0.4	U	0.2	U
10061-02-6	trans-1,3-Dichloropropene	TO15-ppbv	ppbv	0.4	U	0.4	U	0.2	U
79-01-6	Trichloroethene	TO15-ppbv	ppbv	0.4	U	0.4	U	0.2	U
75-69-4	Trichlorofluoromethane	TO15-ppbv	ppbv	0.4	U	0.4	U	0.21	
108-05-4	Vinyl Acetate	TO15-ppbv	ppbv	10	U	50	U	5	U
75-01-4	Vinyl Chloride	TO15-ppbv	ppbv	0.4	U	0.4	U	0.2	U

Ambient Air Vapor Intrusion Sample Results Full Table
Cidra Groundwater Conatmination Site
Cidra, Puerto Rico

Cas Rn	Chemical Name	Analytic Method	Sample Code / Sample Name / Sample Date / Unit \\ Location	AA-01-09132012 / 9/13/2012 / AA-01		AA-02-09132012 / 9/13/2012 / AA-02		AA-03-09132012 / 9/13/2012 / AA-03		AA-202-09132012 / 9/13/2012 / AA-02	
(Group Code)	**(Group Description)**										
TO-15	**AIR**										
71-55-6	1,1,1-Trichloroethane	TO-15	ug/m3	0.11	U	0.11	U	0.11	U	0.11	U
79-34-5	1,1,2,2-Tetrachloroethane	TO-15	ug/m3	1		0.14	U	1.4		0.14	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TO-15	ug/m3	0.61	U	0.61	U	0.67		0.66	
79-00-5	1,1,2-Trichloroethane	TO-15	ug/m3	0.11	U	0.11	U	0.11	U	0.11	U
75-34-3	1,1-Dichloroethane	TO-15	ug/m3	0.081	U	0.081	U	0.081	U	0.081	U
75-35-4	1,1-Dichloroethene	TO-15	ug/m3	0.079	U	0.079	U	0.079	U	0.079	U
120-82-1	1,2,4-Trichlorobenzene	TO-15	ug/m3	3.7	U	3.7	U	3.7	U	5.3	U
95-63-6	1,2,4-Trimethylbenzene	TO-15	ug/m3	0.98	U	0.98	U	0.98	U	1.4	U
106-93-4	1,2-Dibromoethane	TO-15	ug/m3	0.15	U	0.15	U	0.15	U	0.15	U
95-50-1	1,2-Dichlorobenzene	TO-15	ug/m3	1.2	U	1.2	U	1.2	U	1.7	U
107-06-2	1,2-Dichloroethane	TO-15	ug/m3	0.16	U	0.16	U	0.16	U	0.16	U
78-87-5	1,2-Dichloropropane	TO-15	ug/m3	0.18	U	0.18	U	0.18	U	0.18	U
76-14-2	1,2-Dichlorotetrafluoroethane;Fluorocarbon 114	TO-15	ug/m3	0.14	U	0.14	U	0.14	U	0.14	U
108-67-8	1,3,5-Trimethyl Benzene	TO-15	ug/m3	0.29		0.2	U	0.2		0.2	U
541-73-1	1,3-Dichlorobenzene	TO-15	ug/m3	1.2	U	1.2	U	1.2	U	1.7	U
106-46-7	1,4-Dichlorobenzene	TO-15	ug/m3	1.2	U	1.2	U	1.2	U	1.7	U
123-91-1	1,4-Dioxane	TO-15	ug/m3	18	U	18	U	18	U	26	U
107-05-1	3-Chloropropene	TO-15	ug/m3	0.13	U	0.13	U	0.13	U	0.13	U
622-96-8	4-Ethyltoluene	TO-15	ug/m3	0.16		0.098	U	0.17		0.11	
67-64-1	Acetone	TO-15	ug/m3	13		12		12	U	17	U
71-43-2	Benzene	TO-15	ug/m3	1.1		0.42		0.64		0.46	
100-44-7	Benzyl Chloride	TO-15	ug/m3	1	U	1	U	1	U	1.5	U
75-27-4	Bromodichloromethane	TO-15	ug/m3	0.13	U	0.13	U	0.13	U	0.13	U
75-25-2	Bromoform	TO-15	ug/m3	0.21	U	0.21	U	0.21	U	0.21	U
74-83-9	Bromomethane	TO-15	ug/m3	0.16	U	0.16	U	0.16	U	0.16	U
75-15-0	Carbon Disulfide	TO-15	ug/m3	1.6	U	1.6	U	1.6	U	2.2	U
56-23-5	Carbon Tetrachloride	TO-15	ug/m3	0.42		0.5		0.44		0.51	
108-90-7	Chlorobenzene	TO-15	ug/m3	0.92	U	0.92	U	0.92	U	1.3	U
75-00-3	Chloroethane	TO-15	ug/m3	0.11	U	0.11	U	0.11	U	0.11	U
67-66-3	Chloroform	TO-15	ug/m3	0.11		0.11		0.1		0.11	
74-87-3	Chloromethane	TO-15	ug/m3	1.5		1.6		1.5		1.5	U
156-59-2	cis-1,2-Dichloroethene	TO-15	ug/m3	0.079	U	0.079	U	0.079	U	0.079	U
10061-01-5	cis-1,3-Dichloropropene	TO-15	ug/m3	0.091	U	0.091	U	0.091	U	0.091	U
124-48-1	Dibromochloromethane	TO-15	ug/m3	0.17	U	0.17	U	0.17	U	0.17	U
75-71-8	Dichlorodifluoromethane	TO-15	ug/m3	2.8		2.9		2.9		3.1	
100-41-4	Ethylbenzene	TO-15	ug/m3	0.84		0.29		0.5		0.3	
87-68-3	Hexachlorobutadiene	TO-15	ug/m3	2.1	U	2.1	U	2.1	U	3.1	U

Ambient Air Vapor Intrusion Sample Results Full Table
Cidra Groundwater Conatmination Site
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Cas Rn	Chemical Name	Analytic Method	Sample Code / Sample Name / Sample Date / Unit \\ Location	AA-01-09132012 / 9/13/2012 / AA-01		AA-02-09132012 / 9/13/2012 / AA-02		AA-03-09132012 / 9/13/2012 / AA-03		AA-202-09132012 / 9/13/2012 / AA-02	
591-78-6	2-Hexanone	TO-15	ug/m3	2	U	2	U	2	U	3	U
75-09-2	Methylene Chloride	TO-15	ug/m3	2.4		2.2		1.7	U	2.5	U
78-93-3	2-Butanone	TO-15	ug/m3	2.9		2.2		1.5	U	2.1	U
108-10-1	4-Methyl-2-pentanone	TO-15	ug/m3	2	U	2	U	2	U	2.9	U
80-62-6	Methyl Methacrylate	TO-15	ug/m3	2	U	2	U	2	U	2.9	U
1634-04-4	Methyl tert-Butyl Ether	TO-15	ug/m3	0.072	U	0.072	U	0.072	U	0.072	U
179601-23-1	m,p-Xylene	TO-15	ug/m3	2.2		0.79		1.4		0.81	
91-20-3	Naphthalene	TO-15	ug/m3	2.6	U	2.6	U	2.6	U	3.8	U
142-82-5	n-Heptane	TO-15	ug/m3	0.8		0.25		0.36		0.34	
95-47-6	o-Xylene	TO-15	ug/m3	0.72		0.28		0.56		0.32	
100-42-5	Styrene	TO-15	ug/m3	0.85	U	0.85	U	0.85	U	1.2	U
127-18-4	Tetrachloroethene	TO-15	ug/m3	0.14	U	0.14	U	0.14	U	0.31	
108-88-3	Toluene	TO-15	ug/m3	5.7		2		3.3		2	
156-60-5	trans-1,2-Dichloroethene	TO-15	ug/m3	0.079	U	0.079	U	0.079	U	0.079	U
10061-02-6	trans-1,3-Dichloropropene	TO-15	ug/m3	0.091	U	0.091	U	0.091	U	0.091	U
79-01-6	Trichloroethene	TO-15	ug/m3	0.62		0.11	U	0.21		0.11	U
75-69-4	Trichlorofluoromethane	TO-15	ug/m3	1.3		1.3		1.4		1.5	
108-05-4	Vinyl Acetate	TO-15	ug/m3	18	U	18	U	18	U	25	U
75-01-4	Vinyl Chloride	TO-15	ug/m3	0.1	U	0.1	U	0.1	U	0.1	U
TO15-PPBV	**AIR**										
71-55-6	1,1,1-Trichloroethane	TO15-ppbv	ppbv	0.02	U	0.02	U	0.02	U	0.02	U
79-34-5	1,1,2,2-Tetrachloroethane	TO15-ppbv	ppbv	0.15		0.02	U	0.21		0.02	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TO15-ppbv	ppbv	0.08	U	0.08	U	0.088		0.086	
79-00-5	1,1,2-Trichloroethane	TO15-ppbv	ppbv	0.02	U	0.02	U	0.02	U	0.02	U
75-34-3	1,1-Dichloroethane	TO15-ppbv	ppbv	0.02	U	0.02	U	0.02	U	0.02	U
75-35-4	1,1-Dichloroethene	TO15-ppbv	ppbv	0.02	U	0.02	U	0.02	U	0.02	U
120-82-1	1,2,4-Trichlorobenzene	TO15-ppbv	ppbv	0.5	U	0.5	U	0.5	U	0.72	U
95-63-6	1,2,4-Trimethylbenzene	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U	0.29	U
106-93-4	1,2-Dibromoethane	TO15-ppbv	ppbv	0.02	U	0.02	U	0.02	U	0.02	U
95-50-1	1,2-Dichlorobenzene	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U	0.29	U
107-06-2	1,2-Dichloroethane	TO15-ppbv	ppbv	0.04	U	0.04	U	0.04	U	0.04	U
78-87-5	1,2-Dichloropropane	TO15-ppbv	ppbv	0.04	U	0.04	U	0.04	U	0.04	U
76-14-2	1,2-Dichlorotetrafluoroethane;Fluorocarbon 114	TO15-ppbv	ppbv	0.02	U	0.02	U	0.02	U	0.02	U
108-67-8	1,3,5-Trimethyl Benzene	TO15-ppbv	ppbv	0.06		0.04	U	0.041		0.04	U
541-73-1	1,3-Dichlorobenzene	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U	0.29	U
106-46-7	1,4-Dichlorobenzene	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U	0.29	U
123-91-1	1,4-Dioxane	TO15-ppbv	ppbv	5	U	5	U	5	U	7.2	U
107-05-1	3-Chloropropene	TO15-ppbv	ppbv	0.04	U	0.04	U	0.04	U	0.04	U

Ambient Air Vapor Intrusion Sample Results Full Table
Cidra Groundwater Conatmination Site
Cidra, Puerto Rico

Cas Rn	Chemical Name	Analytic Method	Sample Code Sample Name Sample Date Unit \\ Location	AA-01-09132012 9/13/2012 AA-01		AA-02-09132012 9/13/2012 AA-02		AA-03-09132012 9/13/2012 AA-03		AA-202-09132012 9/13/2012 AA-02	
622-96-8	4-Ethyltoluene	TO15-ppbv	ppbv	0.033		0.02	U	0.035		0.022	
67-64-1	Acetone	TO15-ppbv	ppbv	5.5		5.2		5	U	7.2	U
71-43-2	Benzene	TO15-ppbv	ppbv	0.35		0.13		0.2		0.14	
100-44-7	Benzyl Chloride	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U	0.29	U
75-27-4	Bromodichloromethane	TO15-ppbv	ppbv	0.02	U	0.02	U	0.02	U	0.02	U
75-25-2	Bromoform	TO15-ppbv	ppbv	0.02	U	0.02	U	0.02	U	0.02	U
74-83-9	Bromomethane	TO15-ppbv	ppbv	0.04	U	0.04	U	0.04	U	0.04	U
75-15-0	Carbon Disulfide	TO15-ppbv	ppbv	0.5	U	0.5	U	0.5	U	0.72	U
56-23-5	Carbon Tetrachloride	TO15-ppbv	ppbv	0.066		0.08		0.07		0.081	
108-90-7	Chlorobenzene	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U	0.29	U
75-00-3	Chloroethane	TO15-ppbv	ppbv	0.04	U	0.04	U	0.04	U	0.04	U
67-66-3	Chloroform	TO15-ppbv	ppbv	0.023		0.022		0.02		0.023	
74-87-3	Chloromethane	TO15-ppbv	ppbv	0.74		0.78		0.71		0.72	U
156-59-2	cis-1,2-Dichloroethene	TO15-ppbv	ppbv	0.02	U	0.02	U	0.02	U	0.02	U
10061-01-5	cis-1,3-Dichloropropene	TO15-ppbv	ppbv	0.02	U	0.02	U	0.02	U	0.02	U
124-48-1	Dibromochloromethane	TO15-ppbv	ppbv	0.02	U	0.02	U	0.02	U	0.02	U
75-71-8	Dichlorodifluoromethane	TO15-ppbv	ppbv	0.56		0.58		0.59		0.62	
100-41-4	Ethylbenzene	TO15-ppbv	ppbv	0.19		0.067		0.11		0.07	
87-68-3	Hexachlorobutadiene	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U	0.29	U
591-78-6	2-Hexanone	TO15-ppbv	ppbv	0.5	U	0.5	U	0.5	U	0.72	U
75-09-2	Methylene Chloride	TO15-ppbv	ppbv	0.7		0.63		0.5	U	0.72	U
78-93-3	2-Butanone	TO15-ppbv	ppbv	1		0.74		0.5	U	0.72	U
108-10-1	4-Methyl-2-pentanone	TO15-ppbv	ppbv	0.5	U	0.5	U	0.5	U	0.72	U
80-62-6	Methyl Methacrylate	TO15-ppbv	ppbv	0.5	U	0.5	U	0.5	U	0.72	U
1634-04-4	Methyl tert-Butyl Ether	TO15-ppbv	ppbv	0.02	U	0.02	U	0.02	U	0.02	U
179601-23-1	m,p-Xylene	TO15-ppbv	ppbv	0.51		0.18		0.32		0.19	
91-20-3	Naphthalene	TO15-ppbv	ppbv	0.5	U	0.5	U	0.5	U	0.72	U
142-82-5	n-Heptane	TO15-ppbv	ppbv	0.2		0.061		0.088		0.082	
95-47-6	o-Xylene	TO15-ppbv	ppbv	0.17		0.064		0.13		0.075	
100-42-5	Styrene	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U	0.29	U
127-18-4	Tetrachloroethene	TO15-ppbv	ppbv	0.02	U	0.02	U	0.02	U	0.046	
108-88-3	Toluene	TO15-ppbv	ppbv	1.5		0.54		0.89		0.53	
156-60-5	trans-1,2-Dichloroethene	TO15-ppbv	ppbv	0.02	U	0.02	U	0.02	U	0.02	U
10061-02-6	trans-1,3-Dichloropropene	TO15-ppbv	ppbv	0.02	U	0.02	U	0.02	U	0.02	U
79-01-6	Trichloroethene	TO15-ppbv	ppbv	0.12		0.02	U	0.038		0.02	U
75-69-4	Trichlorofluoromethane	TO15-ppbv	ppbv	0.24		0.23		0.25		0.26	
108-05-4	Vinyl Acetate	TO15-ppbv	ppbv	5	U	5	U	5	U	7.2	U
75-01-4	Vinyl Chloride	TO15-ppbv	ppbv	0.04	U	0.04	U	0.04	U	0.04	U

Subslab Vapor Intrusion Sample Results Full Table
Cidra Groundwater Conatmination Site
Cidra, Puerto Rico

			Sample Code	VI-01-09132012		VI-02-09132012		VI-03-09132012		VI-04-09132012	
			Sample Name								
			Sample Date	9/13/2012		9/13/2012		9/13/2012		9/13/2012	
Cas Rn	Chemical Name	Analytic Method	Unit \\ Location	VI-01		VI-02		VI-03		VI-04	
(Group Code)	**(Group Description)**										
TO-15	**AIR**										
71-55-6	1,1,1-Trichloroethane	TO-15	ug/m3	11	U	1.1	U	1.9	U	1.9	U
79-34-5	1,1,2,2-Tetrachloroethane	TO-15	ug/m3	14	U	1.4	U	2.4	U	2.4	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TO-15	ug/m3	15	U	28		30		37	
79-00-5	1,1,2-Trichloroethane	TO-15	ug/m3	11	U	1.1	U	1.9	U	1.9	U
75-34-3	1,1-Dichloroethane	TO-15	ug/m3	8.1	U	0.81	U	1.4	U	1.4	U
75-35-4	1,1-Dichloroethene	TO-15	ug/m3	7.9	U	0.79	U	1.4	U	1.4	U
120-82-1	1,2,4-Trichlorobenzene	TO-15	ug/m3	37	U	3.7	U	6.6	U	6.6	U
95-63-6	1,2,4-Trimethylbenzene	TO-15	ug/m3	68		13		1.8	U	8.8	
106-93-4	1,2-Dibromoethane	TO-15	ug/m3	15	U	1.5	U	2.7	U	2.7	U
95-50-1	1,2-Dichlorobenzene	TO-15	ug/m3	12	U	1.2	U	2.1	U	2.1	U
107-06-2	1,2-Dichloroethane	TO-15	ug/m3	8.1	U	0.81	U	1.4	U	1.4	U
78-87-5	1,2-Dichloropropane	TO-15	ug/m3	9.2	U	0.92	U	1.6	U	1.6	U
76-14-2	1,2-Dichlorotetrafluoroethane;Fluorocarbon 114	TO-15	ug/m3	14	U	1.4	U	2.5	U	2.5	U
108-67-8	1,3,5-Trimethyl Benzene	TO-15	ug/m3	26		3.6		1.8	U	4.6	
541-73-1	1,3-Dichlorobenzene	TO-15	ug/m3	12	U	1.2	U	2.1	U	2.1	U
106-46-7	1,4-Dichlorobenzene	TO-15	ug/m3	12	U	2.9		2.1	U	2.1	U
123-91-1	1,4-Dioxane	TO-15	ug/m3	180	U	18	U	32	U	32	U
107-05-1	3-Chloropropene	TO-15	ug/m3	16	U	1.6	U	2.8	U	2.8	U
622-96-8	4-Ethyltoluene	TO-15	ug/m3	20		2.6		1.8	U	2.5	
67-64-1	Acetone	TO-15	ug/m3	120	U	150	D	72		160	
71-43-2	Benzene	TO-15	ug/m3	6.4	U	1.2		1.6		1.8	
100-44-7	Benzyl Chloride	TO-15	ug/m3	10	U	1	U	1.8	U	1.8	U
75-27-4	Bromodichloromethane	TO-15	ug/m3	13	U	1.3	U	2.4	U	2.4	U
75-25-2	Bromoform	TO-15	ug/m3	21	U	2.1	U	3.7	U	3.7	U
74-83-9	Bromomethane	TO-15	ug/m3	7.7	U	0.78	U	1.4	U	1.4	U
75-15-0	Carbon Disulfide	TO-15	ug/m3	18		5		2.8	U	2.8	U
56-23-5	Carbon Tetrachloride	TO-15	ug/m3	13	U	1.3	U	2.2	U	2.2	U
108-90-7	Chlorobenzene	TO-15	ug/m3	9.1	U	0.92	U	1.6	U	1.6	U
75-00-3	Chloroethane	TO-15	ug/m3	13	U	1.3	U	2.3	U	2.3	U
67-66-3	Chloroform	TO-15	ug/m3	170		0.98	U	3		13	
74-87-3	Chloromethane	TO-15	ug/m3	10	U	1	U	1.8	U	1.8	U
156-59-2	cis-1,2-Dichloroethene	TO-15	ug/m3	89		0.79	U	1.4	U	1.4	U
10061-01-5	cis-1,3-Dichloropropene	TO-15	ug/m3	9	U	0.91	U	1.6	U	1.6	U
124-48-1	Dibromochloromethane	TO-15	ug/m3	17	U	1.7	U	3	U	3	U
75-71-8	Dichlorodifluoromethane	TO-15	ug/m3	25	U	5.3		4.4	U	4.4	U
100-41-4	Ethylbenzene	TO-15	ug/m3	8.6	U	4.3		1.5	U	5.3	
87-68-3	Hexachlorobutadiene	TO-15	ug/m3	21	U	2.1	U	3.8	U	3.8	U

Subslab Vapor Intrusion Sample Results Full Table
Cidra Groundwater Conatmination Site
Cidra, Puerto Rico

			Sample Code	VI-01-09132012		VI-02-09132012		VI-03-09132012		VI-04-09132012	
			Sample Name								
			Sample Date	9/13/2012		9/13/2012		9/13/2012		9/13/2012	
Cas Rn	Chemical Name	Analytic Method	Unit \\ Location	VI-01		VI-02		VI-03		VI-04	
591-78-6	2-Hexanone	TO-15	ug/m3	20	U	2.4		3.6	U	3.6	U
75-09-2	Methylene Chloride	TO-15	ug/m3	17	U	1.7	U	4		3.1	U
78-93-3	2-Butanone	TO-15	ug/m3	18		13		8.7		19	
108-10-1	4-Methyl-2-pentanone	TO-15	ug/m3	20	U	2	U	3.6	U	3.6	U
80-62-6	Methyl Methacrylate	TO-15	ug/m3	20	U	2	U	3.6	U	3.6	U
1634-04-4	Methyl tert-Butyl Ether	TO-15	ug/m3	7.2	U	0.72	U	1.3	U	1.3	U
179601-23-1	m,p-Xylene	TO-15	ug/m3	22	U	11		3.9	U	19	
91-20-3	Naphthalene	TO-15	ug/m3	26	U	7.7		4.7	U	4.7	U
142-82-5	n-Heptane	TO-15	ug/m3	8.2	U	2.1		3.6		2.7	
95-47-6	o-Xylene	TO-15	ug/m3	8.6	U	5.5		1.5	U	7.3	
100-42-5	Styrene	TO-15	ug/m3	42		8.6		1.5	U	6.6	
127-18-4	Tetrachloroethene	TO-15	ug/m3	9400	D	20		38		2.9	
108-88-3	Toluene	TO-15	ug/m3	13		130		10		17	
156-60-5	trans-1,2-Dichloroethene	TO-15	ug/m3	7.9	U	0.79	U	1.4	U	1.4	U
10061-02-6	trans-1,3-Dichloropropene	TO-15	ug/m3	9	U	0.91	U	1.6	U	1.6	U
79-01-6	Trichloroethene	TO-15	ug/m3	520		1.1	U	1.9	U	1.9	U
75-69-4	Trichlorofluoromethane	TO-15	ug/m3	11	U	150		2	U	2	U
108-05-4	Vinyl Acetate	TO-15	ug/m3	180	U	18	U	31	U	31	U
75-01-4	Vinyl Chloride	TO-15	ug/m3	5.1	U	0.51	U	0.91	U	0.91	U
TO15-PPBV	**AIR**										
71-55-6	1,1,1-Trichloroethane	TO15-ppbv	ppbv	2	U	0.2	U	0.36	U	0.36	U
79-34-5	1,1,2,2-Tetrachloroethane	TO15-ppbv	ppbv	2	U	0.2	U	0.36	U	0.36	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TO15-ppbv	ppbv	2	U	3.7		3.9		4.8	
79-00-5	1,1,2-Trichloroethane	TO15-ppbv	ppbv	2	U	0.2	U	0.36	U	0.36	U
75-34-3	1,1-Dichloroethane	TO15-ppbv	ppbv	2	U	0.2	U	0.36	U	0.36	U
75-35-4	1,1-Dichloroethene	TO15-ppbv	ppbv	2	U	0.2	U	0.36	U	0.36	U
120-82-1	1,2,4-Trichlorobenzene	TO15-ppbv	ppbv	5	U	0.5	U	0.89	U	0.89	U
95-63-6	1,2,4-Trimethylbenzene	TO15-ppbv	ppbv	14		2.7		0.36	U	1.8	
106-93-4	1,2-Dibromoethane	TO15-ppbv	ppbv	2	U	0.2	U	0.36	U	0.36	U
95-50-1	1,2-Dichlorobenzene	TO15-ppbv	ppbv	2	U	0.2	U	0.36	U	0.36	U
107-06-2	1,2-Dichloroethane	TO15-ppbv	ppbv	2	U	0.2	U	0.36	U	0.36	U
78-87-5	1,2-Dichloropropane	TO15-ppbv	ppbv	2	U	0.2	U	0.36	U	0.36	U
76-14-2	1,2-Dichlorotetrafluoroethane;Fluorocarbon 114	TO15-ppbv	ppbv	2	U	0.2	U	0.36	U	0.36	U
108-67-8	1,3,5-Trimethyl Benzene	TO15-ppbv	ppbv	5.2		0.74		0.36	U	0.94	
541-73-1	1,3-Dichlorobenzene	TO15-ppbv	ppbv	2	U	0.2	U	0.36	U	0.36	U
106-46-7	1,4-Dichlorobenzene	TO15-ppbv	ppbv	2	U	0.49		0.36	U	0.36	U
123-91-1	1,4-Dioxane	TO15-ppbv	ppbv	50	U	5	U	8.9	U	8.9	U
107-05-1	3-Chloropropene	TO15-ppbv	ppbv	5	U	0.5	U	0.89	U	0.89	U

Subslab Vapor Intrusion Sample Results Full Table
Cidra Groundwater Conatmination Site
Cidra, Puerto Rico

			Sample Code	VI-01-09132012		VI-02-09132012		VI-03-09132012		VI-04-09132012	
			Sample Name								
			Sample Date	9/13/2012		9/13/2012		9/13/2012		9/13/2012	
Cas Rn	Chemical Name	Analytic Method	Unit \\ Location	VI-01		VI-02		VI-03		VI-04	
622-96-8	4-Ethyltoluene	TO15-ppbv	ppbv	4.2		0.53		0.36	U	0.51	
67-64-1	Acetone	TO15-ppbv	ppbv	50	U	62	D	30		66	
71-43-2	Benzene	TO15-ppbv	ppbv	2	U	0.38		0.5		0.56	
100-44-7	Benzyl Chloride	TO15-ppbv	ppbv	2	U	0.2	U	0.36	U	0.36	U
75-27-4	Bromodichloromethane	TO15-ppbv	ppbv	2	U	0.2	U	0.36	U	0.36	U
75-25-2	Bromoform	TO15-ppbv	ppbv	2	U	0.2	U	0.36	U	0.36	U
74-83-9	Bromomethane	TO15-ppbv	ppbv	2	U	0.2	U	0.36	U	0.36	U
75-15-0	Carbon Disulfide	TO15-ppbv	ppbv	5.7		1.6		0.89	U	0.89	U
56-23-5	Carbon Tetrachloride	TO15-ppbv	ppbv	2	U	0.2	U	0.36	U	0.36	U
108-90-7	Chlorobenzene	TO15-ppbv	ppbv	2	U	0.2	U	0.36	U	0.36	U
75-00-3	Chloroethane	TO15-ppbv	ppbv	5	U	0.5	U	0.89	U	0.89	U
67-66-3	Chloroform	TO15-ppbv	ppbv	34		0.2	U	0.62		2.6	
74-87-3	Chloromethane	TO15-ppbv	ppbv	5	U	0.5	U	0.89	U	0.89	U
156-59-2	cis-1,2-Dichloroethene	TO15-ppbv	ppbv	23		0.2	U	0.36	U	0.36	U
10061-01-5	cis-1,3-Dichloropropene	TO15-ppbv	ppbv	2	U	0.2	U	0.36	U	0.36	U
124-48-1	Dibromochloromethane	TO15-ppbv	ppbv	2	U	0.2	U	0.36	U	0.36	U
75-71-8	Dichlorodifluoromethane	TO15-ppbv	ppbv	5	U	1.1		0.89	U	0.89	U
100-41-4	Ethylbenzene	TO15-ppbv	ppbv	2	U	0.99		0.36	U	1.2	
87-68-3	Hexachlorobutadiene	TO15-ppbv	ppbv	2	U	0.2	U	0.36	U	0.36	U
591-78-6	2-Hexanone	TO15-ppbv	ppbv	5	U	0.57		0.89	U	0.89	U
75-09-2	Methylene Chloride	TO15-ppbv	ppbv	5	U	0.5	U	1.1		0.89	U
78-93-3	2-Butanone	TO15-ppbv	ppbv	5.9		4.4		3		6.5	
108-10-1	4-Methyl-2-pentanone	TO15-ppbv	ppbv	5	U	0.5	U	0.89	U	0.89	U
80-62-6	Methyl Methacrylate	TO15-ppbv	ppbv	5	U	0.5	U	0.89	U	0.89	U
1634-04-4	Methyl tert-Butyl Ether	TO15-ppbv	ppbv	2	U	0.2	U	0.36	U	0.36	U
179601-23-1	m,p-Xylene	TO15-ppbv	ppbv	5	U	2.6		0.89	U	4.4	
91-20-3	Naphthalene	TO15-ppbv	ppbv	5	U	1.5		0.89	U	0.89	U
142-82-5	n-Heptane	TO15-ppbv	ppbv	2	U	0.51		0.87		0.67	
95-47-6	o-Xylene	TO15-ppbv	ppbv	2	U	1.3		0.36	U	1.7	
100-42-5	Styrene	TO15-ppbv	ppbv	9.9		2		0.36	U	1.5	
127-18-4	Tetrachloroethene	TO15-ppbv	ppbv	1400	D	3		5.6		0.43	
108-88-3	Toluene	TO15-ppbv	ppbv	3.4		33		2.6		4.6	
156-60-5	trans-1,2-Dichloroethene	TO15-ppbv	ppbv	2	U	0.2	U	0.36	U	0.36	U
10061-02-6	trans-1,3-Dichloropropene	TO15-ppbv	ppbv	2	U	0.2	U	0.36	U	0.36	U
79-01-6	Trichloroethene	TO15-ppbv	ppbv	96		0.2	U	0.36	U	0.36	U
75-69-4	Trichlorofluoromethane	TO15-ppbv	ppbv	2	U	26		0.36	U	0.36	U
108-05-4	Vinyl Acetate	TO15-ppbv	ppbv	50	U	5	U	8.9	U	8.9	U
75-01-4	Vinyl Chloride	TO15-ppbv	ppbv	2	U	0.2	U	0.36	U	0.36	U

Subslab Vapor Intrusion Sample Results Full Table
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Cidra, Puerto Rico

			Sample Code	VI-05-09132012		VI-06-09132012		VI-07-09132012		VI-08-09132012	
			Sample Name								
			Sample Date	9/13/2012		9/13/2012		9/13/2012		9/13/2012	
Cas Rn	Chemical Name	Analytic Method	Unit \\ Location	VI-05		VI-06		VI-07		VI-08	
(Group Code)	**(Group Description)**										
TO-15	**AIR**										
71-55-6	1,1,1-Trichloroethane	TO-15	ug/m3	1.1	U	2.2	U	2400	U	76	U
79-34-5	1,1,2,2-Tetrachloroethane	TO-15	ug/m3	26		2.7	U	3000	U	96	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TO-15	ug/m3	9.5		17		3300	U	110	U
79-00-5	1,1,2-Trichloroethane	TO-15	ug/m3	1.1	U	2.2	U	2400	U	76	U
75-34-3	1,1-Dichloroethane	TO-15	ug/m3	0.81	U	1.6	U	1800	U	57	U
75-35-4	1,1-Dichloroethene	TO-15	ug/m3	0.79	U	1.6	U	1700	U	55	U
120-82-1	1,2,4-Trichlorobenzene	TO-15	ug/m3	3.7	U	7.4	U	8100	U	260	U
95-63-6	1,2,4-Trimethylbenzene	TO-15	ug/m3	2		12		2100	U	69	U
106-93-4	1,2-Dibromoethane	TO-15	ug/m3	1.5	U	3.1	U	3300	U	110	U
95-50-1	1,2-Dichlorobenzene	TO-15	ug/m3	1.2	U	2.4	U	2600	U	84	U
107-06-2	1,2-Dichloroethane	TO-15	ug/m3	0.81	U	1.6	U	1800	U	57	U
78-87-5	1,2-Dichloropropane	TO-15	ug/m3	0.92	U	1.8	U	2000	U	65	U
76-14-2	1,2-Dichlorotetrafluoroethane;Fluorocarbon 114	TO-15	ug/m3	1.4	U	2.8	U	3000	U	98	U
108-67-8	1,3,5-Trimethyl Benzene	TO-15	ug/m3	1.2		4.8		2100	U	69	U
541-73-1	1,3-Dichlorobenzene	TO-15	ug/m3	1.2	U	2.4	U	2600	U	84	U
106-46-7	1,4-Dichlorobenzene	TO-15	ug/m3	1.2	U	13		2600	U	84	U
123-91-1	1,4-Dioxane	TO-15	ug/m3	18	U	36	U	39000	U	1300	U
107-05-1	3-Chloropropene	TO-15	ug/m3	1.6	U	3.1	U	3400	U	110	U
622-96-8	4-Ethyltoluene	TO-15	ug/m3	0.98	U	2.7		2100	U	69	U
67-64-1	Acetone	TO-15	ug/m3	37		61		26000	U	830	U
71-43-2	Benzene	TO-15	ug/m3	0.64	U	2		1400	U	45	U
100-44-7	Benzyl Chloride	TO-15	ug/m3	1	U	2.1	U	2200	U	72	U
75-27-4	Bromodichloromethane	TO-15	ug/m3	1.3	U	2.7	U	2900	U	94	U
75-25-2	Bromoform	TO-15	ug/m3	2.1	U	4.1	U	4500	U	140	U
74-83-9	Bromomethane	TO-15	ug/m3	0.78	U	1.6	U	1700	U	54	U
75-15-0	Carbon Disulfide	TO-15	ug/m3	1.6	U	3.1	U	3400	U	110	U
56-23-5	Carbon Tetrachloride	TO-15	ug/m3	1.3	U	2.5	U	2700	U	88	U
108-90-7	Chlorobenzene	TO-15	ug/m3	0.92	U	1.8	U	2000	U	64	U
75-00-3	Chloroethane	TO-15	ug/m3	1.3	U	2.6	U	2900	U	92	U
67-66-3	Chloroform	TO-15	ug/m3	0.98	U	150		2100	U	68	U
74-87-3	Chloromethane	TO-15	ug/m3	1	U	2.1	U	2200	U	72	U
156-59-2	cis-1,2-Dichloroethene	TO-15	ug/m3	0.79	U	1.6	U	1700	U	55	U
10061-01-5	cis-1,3-Dichloropropene	TO-15	ug/m3	0.91	U	1.8	U	2000	U	63	U
124-48-1	Dibromochloromethane	TO-15	ug/m3	1.7	U	3.4	U	3700	U	120	U
75-71-8	Dichlorodifluoromethane	TO-15	ug/m3	2.5	U	4.9	U	5400	U	170	U
100-41-4	Ethylbenzene	TO-15	ug/m3	2.2		3.7		1900	U	61	U
87-68-3	Hexachlorobutadiene	TO-15	ug/m3	2.1	U	4.3	U	4600	U	150	U

Subslab Vapor Intrusion Sample Results Full Table
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			Sample Code	VI-05-09132012		VI-06-09132012		VI-07-09132012		VI-08-09132012	
			Sample Name								
			Sample Date	9/13/2012		9/13/2012		9/13/2012		9/13/2012	
Cas Rn	Chemical Name	Analytic Method	Unit \\ Location	VI-05		VI-06		VI-07		VI-08	
591-78-6	2-Hexanone	TO-15	ug/m3	2	U	4.1	U	4400	U	140	U
75-09-2	Methylene Chloride	TO-15	ug/m3	1.7	U	3.5	U	3800	U	120	U
78-93-3	2-Butanone	TO-15	ug/m3	7.6		20		3200	U	100	U
108-10-1	4-Methyl-2-pentanone	TO-15	ug/m3	2	U	4.1	U	4400	U	140	U
80-62-6	Methyl Methacrylate	TO-15	ug/m3	2	U	4.1	U	4400	U	140	U
1634-04-4	Methyl tert-Butyl Ether	TO-15	ug/m3	0.72	U	1.4	U	1600	U	50	U
179601-23-1	m,p-Xylene	TO-15	ug/m3	8.7		15		4700	U	150	U
91-20-3	Naphthalene	TO-15	ug/m3	2.6	U	5.2	U	5700	U	180	U
142-82-5	n-Heptane	TO-15	ug/m3	0.91		7.8		1800	U	57	U
95-47-6	o-Xylene	TO-15	ug/m3	2.8		6.1		1900	U	61	U
100-42-5	Styrene	TO-15	ug/m3	1.7		3		1800	U	59	U
127-18-4	Tetrachloroethene	TO-15	ug/m3	49		8.8		2200000	D	63000	D
108-88-3	Toluene	TO-15	ug/m3	9		70		1600	U	150	
156-60-5	trans-1,2-Dichloroethene	TO-15	ug/m3	0.79	U	1.6	U	1700	U	55	U
10061-02-6	trans-1,3-Dichloropropene	TO-15	ug/m3	0.91	U	1.8	U	2000	U	63	U
79-01-6	Trichloroethene	TO-15	ug/m3	3.6		2.1	U	2300	U	75	U
75-69-4	Trichlorofluoromethane	TO-15	ug/m3	3.3		6.8		2400	U	78	U
108-05-4	Vinyl Acetate	TO-15	ug/m3	18	U	35	U	38000	U	1200	U
75-01-4	Vinyl Chloride	TO-15	ug/m3	0.51	U	1	U	1100	U	36	U
TO15-PPBV	**AIR**										
71-55-6	1,1,1-Trichloroethane	TO15-ppbv	ppbv	0.2	U	0.4	U	430	U	14	U
79-34-5	1,1,2,2-Tetrachloroethane	TO15-ppbv	ppbv	3.8		0.4	U	430	U	14	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TO15-ppbv	ppbv	1.2		2.2		430	U	14	U
79-00-5	1,1,2-Trichloroethane	TO15-ppbv	ppbv	0.2	U	0.4	U	430	U	14	U
75-34-3	1,1-Dichloroethane	TO15-ppbv	ppbv	0.2	U	0.4	U	430	U	14	U
75-35-4	1,1-Dichloroethene	TO15-ppbv	ppbv	0.2	U	0.4	U	430	U	14	U
120-82-1	1,2,4-Trichlorobenzene	TO15-ppbv	ppbv	0.5	U	1	U	1100	U	35	U
95-63-6	1,2,4-Trimethylbenzene	TO15-ppbv	ppbv	0.41		2.5		430	U	14	U
106-93-4	1,2-Dibromoethane	TO15-ppbv	ppbv	0.2	U	0.4	U	430	U	14	U
95-50-1	1,2-Dichlorobenzene	TO15-ppbv	ppbv	0.2	U	0.4	U	430	U	14	U
107-06-2	1,2-Dichloroethane	TO15-ppbv	ppbv	0.2	U	0.4	U	430	U	14	U
78-87-5	1,2-Dichloropropane	TO15-ppbv	ppbv	0.2	U	0.4	U	430	U	14	U
76-14-2	1,2-Dichlorotetrafluoroethane;Fluorocarbon 114	TO15-ppbv	ppbv	0.2	U	0.4	U	430	U	14	U
108-67-8	1,3,5-Trimethyl Benzene	TO15-ppbv	ppbv	0.25		0.97		430	U	14	U
541-73-1	1,3-Dichlorobenzene	TO15-ppbv	ppbv	0.2	U	0.4	U	430	U	14	U
106-46-7	1,4-Dichlorobenzene	TO15-ppbv	ppbv	0.2	U	2.1		430	U	14	U
123-91-1	1,4-Dioxane	TO15-ppbv	ppbv	5	U	10	U	11000	U	350	U
107-05-1	3-Chloropropene	TO15-ppbv	ppbv	0.5	U	1	U	1100	U	35	U

Subslab Vapor Intrusion Sample Results Full Table
Cidra Groundwater Conatmination Site
Cidra, Puerto Rico

			Sample Code	VI-05-09132012		VI-06-09132012		VI-07-09132012		VI-08-09132012	
			Sample Name								
			Sample Date	9/13/2012		9/13/2012		9/13/2012		9/13/2012	
Cas Rn	Chemical Name	Analytic Method	Unit \\ Location	VI-05		VI-06		VI-07		VI-08	
622-96-8	4-Ethyltoluene	TO15-ppbv	ppbv	0.2	U	0.55		430	U	14	U
67-64-1	Acetone	TO15-ppbv	ppbv	16		26		11000	U	350	U
71-43-2	Benzene	TO15-ppbv	ppbv	0.2	U	0.63		430	U	14	U
100-44-7	Benzyl Chloride	TO15-ppbv	ppbv	0.2	U	0.4	U	430	U	14	U
75-27-4	Bromodichloromethane	TO15-ppbv	ppbv	0.2	U	0.4	U	430	U	14	U
75-25-2	Bromoform	TO15-ppbv	ppbv	0.2	U	0.4	U	430	U	14	U
74-83-9	Bromomethane	TO15-ppbv	ppbv	0.2	U	0.4	U	430	U	14	U
75-15-0	Carbon Disulfide	TO15-ppbv	ppbv	0.5	U	1	U	1100	U	35	U
56-23-5	Carbon Tetrachloride	TO15-ppbv	ppbv	0.2	U	0.4	U	430	U	14	U
108-90-7	Chlorobenzene	TO15-ppbv	ppbv	0.2	U	0.4	U	430	U	14	U
75-00-3	Chloroethane	TO15-ppbv	ppbv	0.5	U	1	U	1100	U	35	U
67-66-3	Chloroform	TO15-ppbv	ppbv	0.2	U	30		430	U	14	U
74-87-3	Chloromethane	TO15-ppbv	ppbv	0.5	U	1	U	1100	U	35	U
156-59-2	cis-1,2-Dichloroethene	TO15-ppbv	ppbv	0.2	U	0.4	U	430	U	14	U
10061-01-5	cis-1,3-Dichloropropene	TO15-ppbv	ppbv	0.2	U	0.4	U	430	U	14	U
124-48-1	Dibromochloromethane	TO15-ppbv	ppbv	0.2	U	0.4	U	430	U	14	U
75-71-8	Dichlorodifluoromethane	TO15-ppbv	ppbv	0.5	U	1	U	1100	U	35	U
100-41-4	Ethylbenzene	TO15-ppbv	ppbv	0.51		0.86		430	U	14	U
87-68-3	Hexachlorobutadiene	TO15-ppbv	ppbv	0.2	U	0.4	U	430	U	14	U
591-78-6	2-Hexanone	TO15-ppbv	ppbv	0.5	U	1	U	1100	U	35	U
75-09-2	Methylene Chloride	TO15-ppbv	ppbv	0.5	U	1	U	1100	U	35	U
78-93-3	2-Butanone	TO15-ppbv	ppbv	2.6		6.8		1100	U	35	U
108-10-1	4-Methyl-2-pentanone	TO15-ppbv	ppbv	0.5	U	1	U	1100	U	35	U
80-62-6	Methyl Methacrylate	TO15-ppbv	ppbv	0.5	U	1	U	1100	U	35	U
1634-04-4	Methyl tert-Butyl Ether	TO15-ppbv	ppbv	0.2	U	0.4	U	430	U	14	U
179601-23-1	m,p-Xylene	TO15-ppbv	ppbv	2		3.4		1100	U	35	U
91-20-3	Naphthalene	TO15-ppbv	ppbv	0.5	U	1	U	1100	U	35	U
142-82-5	n-Heptane	TO15-ppbv	ppbv	0.22		1.9		430	U	14	U
95-47-6	o-Xylene	TO15-ppbv	ppbv	0.64		1.4		430	U	14	U
100-42-5	Styrene	TO15-ppbv	ppbv	0.4		0.7		430	U	14	U
127-18-4	Tetrachloroethene	TO15-ppbv	ppbv	7.2		1.3		330000	D	9300	D
108-88-3	Toluene	TO15-ppbv	ppbv	2.4		19		430	U	41	
156-60-5	trans-1,2-Dichloroethene	TO15-ppbv	ppbv	0.2	U	0.4	U	430	U	14	U
10061-02-6	trans-1,3-Dichloropropene	TO15-ppbv	ppbv	0.2	U	0.4	U	430	U	14	U
79-01-6	Trichloroethene	TO15-ppbv	ppbv	0.68		0.4	U	430	U	14	U
75-69-4	Trichlorofluoromethane	TO15-ppbv	ppbv	0.58		1.2		430	U	14	U
108-05-4	Vinyl Acetate	TO15-ppbv	ppbv	5	U	10	U	11000	U	350	U
75-01-4	Vinyl Chloride	TO15-ppbv	ppbv	0.2	U	0.4	U	430	U	14	U

Subslab Vapor Intrusion Sample Results Full Table
Cidra Groundwater Conatmination Site
Cidra, Puerto Rico

			Sample Code	VI-09-09132012		VI-10-09132012		VI-205-09132012	
			Sample Name						
			Sample Date	9/13/2012		9/13/2012		9/13/2012	
Cas Rn	Chemical Name	Analytic Method	Unit \\ Location	VI-09		VI-10		VI-05	
(Group Code)	**(Group Description)**								
TO-15	**AIR**								
71-55-6	1,1,1-Trichloroethane	TO-15	ug/m3	1.1	U	1.8		1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	TO-15	ug/m3	1.4	U	1.4	U	1.4	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TO-15	ug/m3	22		36		5.9	
79-00-5	1,1,2-Trichloroethane	TO-15	ug/m3	1.1	U	1.1	U	1.1	U
75-34-3	1,1-Dichloroethane	TO-15	ug/m3	0.81	U	0.81	U	0.81	U
75-35-4	1,1-Dichloroethene	TO-15	ug/m3	0.79	U	0.79	U	0.79	U
120-82-1	1,2,4-Trichlorobenzene	TO-15	ug/m3	3.7	U	3.7	U	3.7	U
95-63-6	1,2,4-Trimethylbenzene	TO-15	ug/m3	5.9		49		4	
106-93-4	1,2-Dibromoethane	TO-15	ug/m3	1.5	U	1.5	U	1.5	U
95-50-1	1,2-Dichlorobenzene	TO-15	ug/m3	1.2	U	1.2	U	1.2	U
107-06-2	1,2-Dichloroethane	TO-15	ug/m3	0.81	U	0.81	U	0.81	U
78-87-5	1,2-Dichloropropane	TO-15	ug/m3	0.92	U	0.92	U	0.92	U
76-14-2	1,2-Dichlorotetrafluoroethane;Fluorocarbon 114	TO-15	ug/m3	1.4	U	1.4	U	1.4	U
108-67-8	1,3,5-Trimethyl Benzene	TO-15	ug/m3	1.9		11		1.5	
541-73-1	1,3-Dichlorobenzene	TO-15	ug/m3	1.2	U	1.2	U	1.2	U
106-46-7	1,4-Dichlorobenzene	TO-15	ug/m3	2.6		4.4		3.7	
123-91-1	1,4-Dioxane	TO-15	ug/m3	18	U	18	U	18	U
107-05-1	3-Chloropropene	TO-15	ug/m3	1.6	U	1.6	U	1.6	U
622-96-8	4-Ethyltoluene	TO-15	ug/m3	1.6		6.8		1.1	
67-64-1	Acetone	TO-15	ug/m3	47		60		69	
71-43-2	Benzene	TO-15	ug/m3	0.83		1.2		0.82	
100-44-7	Benzyl Chloride	TO-15	ug/m3	1	U	1	U	1	U
75-27-4	Bromodichloromethane	TO-15	ug/m3	1.3	U	1.3	U	1.3	U
75-25-2	Bromoform	TO-15	ug/m3	2.1	U	2.1	U	2.1	U
74-83-9	Bromomethane	TO-15	ug/m3	0.78	U	0.78	U	0.78	U
75-15-0	Carbon Disulfide	TO-15	ug/m3	4.7		1.6		3.3	
56-23-5	Carbon Tetrachloride	TO-15	ug/m3	1.3	U	1.3	U	1.3	U
108-90-7	Chlorobenzene	TO-15	ug/m3	0.92	U	0.92	U	0.92	U
75-00-3	Chloroethane	TO-15	ug/m3	1.3	U	1.3	U	1.3	U
67-66-3	Chloroform	TO-15	ug/m3	0.98	U	0.98	U	0.98	U
74-87-3	Chloromethane	TO-15	ug/m3	1	U	1	U	1	U
156-59-2	cis-1,2-Dichloroethene	TO-15	ug/m3	0.79	U	0.79	U	0.79	U
10061-01-5	cis-1,3-Dichloropropene	TO-15	ug/m3	0.91	U	0.91	U	0.91	U
124-48-1	Dibromochloromethane	TO-15	ug/m3	1.7	U	1.7	U	1.7	U
75-71-8	Dichlorodifluoromethane	TO-15	ug/m3	2.5	U	2.5	U	2.5	U
100-41-4	Ethylbenzene	TO-15	ug/m3	3.3		6.3		2.6	
87-68-3	Hexachlorobutadiene	TO-15	ug/m3	2.1	U	2.1	U	2.1	U

Subslab Vapor Intrusion Sample Results Full Table
Cidra Groundwater Conatmination Site
Cidra, Puerto Rico

			Sample Code	VI-09-09132012		VI-10-09132012		VI-205-09132012	
			Sample Name						
			Sample Date	9/13/2012		9/13/2012		9/13/2012	
Cas Rn	Chemical Name	Analytic Method	Unit \\ Location	VI-09		VI-10		VI-05	
591-78-6	2-Hexanone	TO-15	ug/m3	2	U	2.3		2	U
75-09-2	Methylene Chloride	TO-15	ug/m3	1.7	U	2		1.7	U
78-93-3	2-Butanone	TO-15	ug/m3	6.5		9.2		8.9	
108-10-1	4-Methyl-2-pentanone	TO-15	ug/m3	2	U	2	U	2	U
80-62-6	Methyl Methacrylate	TO-15	ug/m3	2	U	2	U	2	U
1634-04-4	Methyl tert-Butyl Ether	TO-15	ug/m3	0.72	U	0.72	U	0.72	U
179601-23-1	m,p-Xylene	TO-15	ug/m3	8.8		21		10	
91-20-3	Naphthalene	TO-15	ug/m3	4.8		27		2.6	U
142-82-5	n-Heptane	TO-15	ug/m3	1.4		7.1		1.7	
95-47-6	o-Xylene	TO-15	ug/m3	3.7		11		3.6	
100-42-5	Styrene	TO-15	ug/m3	5.9		7.2		2.3	
127-18-4	Tetrachloroethene	TO-15	ug/m3	220		26		27	
108-88-3	Toluene	TO-15	ug/m3	24		200	D	12	
156-60-5	trans-1,2-Dichloroethene	TO-15	ug/m3	0.79	U	0.79	U	0.79	U
10061-02-6	trans-1,3-Dichloropropene	TO-15	ug/m3	0.91	U	0.91	U	0.91	U
79-01-6	Trichloroethene	TO-15	ug/m3	1.1	U	1.1	U	1.1	U
75-69-4	Trichlorofluoromethane	TO-15	ug/m3	1.5		1.8		2.6	
108-05-4	Vinyl Acetate	TO-15	ug/m3	18	U	18	U	18	U
75-01-4	Vinyl Chloride	TO-15	ug/m3	0.51	U	0.51	U	0.51	U
TO15-PPBV	**AIR**								
71-55-6	1,1,1-Trichloroethane	TO15-ppbv	ppbv	0.2	U	0.33		0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	TO15-ppbv	ppbv	2.9		4.7		0.77	
79-00-5	1,1,2-Trichloroethane	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U
75-34-3	1,1-Dichloroethane	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U
75-35-4	1,1-Dichloroethene	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U
120-82-1	1,2,4-Trichlorobenzene	TO15-ppbv	ppbv	0.5	U	0.5	U	0.5	U
95-63-6	1,2,4-Trimethylbenzene	TO15-ppbv	ppbv	1.2		10		0.81	
106-93-4	1,2-Dibromoethane	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U
95-50-1	1,2-Dichlorobenzene	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U
107-06-2	1,2-Dichloroethane	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U
78-87-5	1,2-Dichloropropane	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U
76-14-2	1,2-Dichlorotetrafluoroethane;Fluorocarbon 114	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U
108-67-8	1,3,5-Trimethyl Benzene	TO15-ppbv	ppbv	0.38		2.2		0.31	
541-73-1	1,3-Dichlorobenzene	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U
106-46-7	1,4-Dichlorobenzene	TO15-ppbv	ppbv	0.44		0.73		0.62	
123-91-1	1,4-Dioxane	TO15-ppbv	ppbv	5	U	5	U	5	U
107-05-1	3-Chloropropene	TO15-ppbv	ppbv	0.5	U	0.5	U	0.5	U

Subslab Vapor Intrusion Sample Results Full Table
Cidra Groundwater Conatmination Site
Cidra, Puerto Rico

			Sample Code	VI-09-09132012		VI-10-09132012		VI-205-09132012	
			Sample Name						
			Sample Date	9/13/2012		9/13/2012		9/13/2012	
Cas Rn	Chemical Name	Analytic Method	Unit \\ Location	VI-09		VI-10		VI-05	
622-96-8	4-Ethyltoluene	TO15-ppbv	ppbv	0.33		1.4		0.23	
67-64-1	Acetone	TO15-ppbv	ppbv	20		25		29	
71-43-2	Benzene	TO15-ppbv	ppbv	0.26		0.37		0.26	
100-44-7	Benzyl Chloride	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U
75-27-4	Bromodichloromethane	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U
75-25-2	Bromoform	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U
74-83-9	Bromomethane	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U
75-15-0	Carbon Disulfide	TO15-ppbv	ppbv	1.5		0.51		1.1	
56-23-5	Carbon Tetrachloride	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U
108-90-7	Chlorobenzene	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U
75-00-3	Chloroethane	TO15-ppbv	ppbv	0.5	U	0.5	U	0.5	U
67-66-3	Chloroform	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U
74-87-3	Chloromethane	TO15-ppbv	ppbv	0.5	U	0.5	U	0.5	U
156-59-2	cis-1,2-Dichloroethene	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U
10061-01-5	cis-1,3-Dichloropropene	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U
124-48-1	Dibromochloromethane	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U
75-71-8	Dichlorodifluoromethane	TO15-ppbv	ppbv	0.5	U	0.5	U	0.5	U
100-41-4	Ethylbenzene	TO15-ppbv	ppbv	0.76		1.4		0.6	
87-68-3	Hexachlorobutadiene	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U
591-78-6	2-Hexanone	TO15-ppbv	ppbv	0.5	U	0.57		0.5	U
75-09-2	Methylene Chloride	TO15-ppbv	ppbv	0.5	U	0.57		0.5	U
78-93-3	2-Butanone	TO15-ppbv	ppbv	2.2		3.1		3	
108-10-1	4-Methyl-2-pentanone	TO15-ppbv	ppbv	0.5	U	0.5	U	0.5	U
80-62-6	Methyl Methacrylate	TO15-ppbv	ppbv	0.5	U	0.5	U	0.5	U
1634-04-4	Methyl tert-Butyl Ether	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U
179601-23-1	m,p-Xylene	TO15-ppbv	ppbv	2		4.9		2.3	
91-20-3	Naphthalene	TO15-ppbv	ppbv	0.92		5.1		0.5	U
142-82-5	n-Heptane	TO15-ppbv	ppbv	0.33		1.7		0.42	
95-47-6	o-Xylene	TO15-ppbv	ppbv	0.85		2.5		0.82	
100-42-5	Styrene	TO15-ppbv	ppbv	1.4		1.7		0.54	
127-18-4	Tetrachloroethene	TO15-ppbv	ppbv	32		3.9		4	
108-88-3	Toluene	TO15-ppbv	ppbv	6.3		53	D	3.2	
156-60-5	trans-1,2-Dichloroethene	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U
10061-02-6	trans-1,3-Dichloropropene	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U
79-01-6	Trichloroethene	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U
75-69-4	Trichlorofluoromethane	TO15-ppbv	ppbv	0.27		0.33		0.46	
108-05-4	Vinyl Acetate	TO15-ppbv	ppbv	5	U	5	U	5	U
75-01-4	Vinyl Chloride	TO15-ppbv	ppbv	0.2	U	0.2	U	0.2	U

Appendix L
Ferrous Iron Readings

HACH DR/890
SN: 0107900016623
Ferrous Iron

Location: Cidra PR

Date	Sample ID	Time of collection	Time of analysis	Initial Volume (mL)	Final Volume (mL)	Dilution Factor (Initial/Final)	Reading #1 (mg/L)	Reading #2 (mg/L)	Final Result (mg/L)
1-13-09	MWP-1 P1		1502	40	40	1x	0.02	0.02	0.02
1-13-09	MWP-1 P2		1508	40	40	1x	0.01	0.01	0.01
1-13-09	MWP-1 P3		1513	40	40	1x	0.01	0.01	0.01
1-13-09	MWP-1 P4		1517	40	40	1x	0.00	0.00	0.00
1-13-09	MWP-1 P5		1523	40	40	1x	0.01	0.01	0.01
1-13-09	MWP-1 P6		1528	40	40	1x	0.02	0.02	0.02
1-14-09	MPW-5 P1		1432	40	40	1x	0.01	0.01	0.01
1-14-09	MPW-5 P2		1437	40	40	1x	0.01	0.01	0.01
1-14-09	MPW-5 P3		~~1413~~1443	40	40	1x	0.00	0.00	0.00
1-14-09	MPW-5 P4		1448	40	40	1x	0.02	0.02	0.02
1-14-09	MPW-5 P5		1453	40	40	1x	0.00	0.00	0.00
1-14-09	MPW-5 P6		1458	40	40	1x	0.01	0.01	0.01
~~1-14-09~~	~~MPW-5 P7~~								

HACH DR/890
SN: 010790016623
Ferrous Iron test

P. Connelly
Location: Cidra, PR

Date	Sample ID	Time of collection	Time of Analysis	Initial Volume (mL)	Final Volume (mL)	Dilution Factor (Initial/Final)	Reading #1 times Dilution (mg/L)	Reading #2 times Dilution (mg/L)	Final Result (highest of reading #1 and #2) (mg/L)
1-15-09	MPW-4 P1	1000	1405	40	40	1x	0.01	0.01	0.01
1-15-09	MPW-4 P2	1020	1409	40	40	1x	0.01	0.01	0.01
1-15-09	MPW-4 P3	1010	1414	40	40	1x	0.00	0.00	0.00
1-15-09	MPW-4 P4	1015	1420	40	40	1x	0.01	0.01	0.01
1-15-09	MPW-5 P7	1300	1424	40	40	1x	0.01	0.01	0.01
1-15-09	MPW-5 P7 Dup	1300	1428	40	40	1x	0.01	0.01	0.01
1-16-09	MPW-2 P1	1025	1355	40	40	1x	0.00	0.00	0.00
1-16-09	MPW-2 P2	1030	1400	40	40	1x	~~0.00~~ 0.01	0.01	0.01
1-16-09	MPW-2 P3	1035	1404	40	40	1x	0.03	0.03	0.03
1-16-09	MPW-2 P4	1040	1408	40	40	1x	0.00	0.00	0.00
1-16-09	MPW-3 P2	1300	1412	40	40	1x	0.02	0.02	0.02
1-16-09	MPW-3 P3	1305	1416	40	40	1x	0.01	0.01	0.01
1-16-09	MPW-3 P4	1310	1420	40	40	1x	0.00	0.00	0.00
1-16-09	MPW-3 P5	1315	1424	40	40	1x	0.00	0.00	0.00

HACH DR/890
SN: 010790016623
Ferrous Iron test

P. Connelly
Location: Cidra, PR

Date	Sample ID	Time of collection	Time of Analysis	Initial Volume (mL)	Final Volume (mL)	Dilution Factor (Initial/Final)	Reading #1 times Dilution (mg/L)	Reading #2 times Dilution (mg/L)	Final Result (highest of reading #1 and #2) (mg/L)
1/19/09	MPW-6-P4	1000	1310	40	40	1x	0.00	0.00	0.00
1/19/09	MPW-6-P5	1005	1320	40	40	1x	0.00	0.00	0.00
1/19/09	MPW-6-P6	1010	1325	40	40	1x	0.02	0.02	0.02
1/19/09	MPW-6-P7	1015	1329	40	40	1x	0.00	0.00	0.02
1-19-09	MPW-3 P1	1300	1400	40	40	1x	0.00	0.00	0.00
1-20-09	MPW-6 P1	1000	1117	40	40	1x	0.00	0.00	0.00
1-20-09	MPW-6 P2	1005	1121	40	40	1x	0.03	0.03	0.03
1-20-09	MPW-6 P2 Dup	1005	1125	40	40	1x	0.02	0.02	0.02
1-20-09	MPW-6 P3	1010	1129	40	40	1x	0.00	0.00	0.00

HACH DR/890
SN: [redacted]
Ferrous Iron test

030890027325 / PINE 050

Location: Connelly [illegible]dra, PR

Date	Sample ID	Time of collection	Time of Analysis	Initial Volume (mL)	Final Volume (mL)	Dilution Factor (Initial/Final)	Reading #1 times Dilution (mg/L)	Reading #2 times Dilution (mg/L)	Final Result (highest of reading #1 and #2) (mg/L)
7/20/10	MPW-1-P1-S2			40	40	1X	0.00		
7/20/10	P2			40	40	1X	0.00		
7/20/10	P3			40	40	1X	0.01		
7/20/10	P4			40	40	1X	0.00		
7/20/10	P5			40	40	1X	0.00		
7/20/10	P6	*		40	40	1X	0.00		
7/21/10	MPW-S-P1			40	40	1X	0.00		
7/21/10	P2			40	40	1X	0.00		
7/21/10	P3			40	40	1X	0.03		
7/21/10	P4			40	40	1X	0.00		
7/21/10	P5			40	40	1X	0.00		
7/21/10	P6			40	40	1X	0.00		
7/21/10	P7			40	40	1X	0.00		
7/22/10	MPW-2-P1			40	40	1X	0.19		
7/22/10	P2			40	40	1X	0.03		
7/22/10	P3			40	40	1X	0.01		

HACH DR18[illegible]
SN: [illegible] 030890027325 / PINE 050
Ferrous Iron test

Location: Connelly Landfill, PR

Date	Sample ID	Time of collection	Time of Analysis	Initial Volume (mL)	Final Volume (mL)	Dilution Factor (Initial/Final)	Reading #1 times Dilution (mg/L)	Reading #2 times Dilution (mg/L)	Final Result (highest of reading #1 and #2) (mg/L)
7/22/10	MPW-2-P1			40	40	1X	0.01		
	~~MPW-5~~								
7/22/10	MPW-3-P1			40	40	1X	0.00		
7/22/10	P2			40	40	1X	0.00		
7/22/10	P3			40	40	1X	0.00		
7/22/10	P4			40	40	1X	0.00		
7/22/10	P5								
7/23/10	MPW-[illegible]P1			40	40	1X	0.03		
7/23/10	P2			40	40	1X	0.00		
7/23/10	P3			40	40	1X	0.00		
7/23/10	P4			40	40	1X	0.01		
7/23/10	JUAX-2-02								
7/20/10	~~MPW-5~~ SMW-5								
7/26/10	SMW-3			40	40	1X	0.22		
7/26/10	SMW-1			40	40	1X	0.03	0.03	0.03
7/26/10	SMW-5			40	40	1X	0.04		

DR1840 [redacted] 03089002 7325 / PINE 050

Iron test

Location: Connelly ...dra, PR

Date	Sample ID	Time of collection	Time of analysis	Initial Volume (mL)	Final Volume (mL)	Dilution Factor (Initial/Final)	Reading #1 times Dilution (mg/L)	Reading #2 times Dilution (mg/L)	Final Result (highest of reading #1 and #2) (mg/L)
7/27/10	Cidra 3			40	40	1X	0.00		
7/27/10	Cidra 4			40	40	1X	0.28		
7/27/10	SMW 9 CC label			40	40	1X	0.20		
7/27/10	SMW 2 123			40	40	1X	0.22		
7/28/10	IVAX Unlabeled well			40	40	1X	0.00		
7/28/10	Cidra 8-52			40	40	1X	0.10		
7/28/10	SMW 12			40	40	1X	0.03		
7/28/10	Cidra 6			40	40	1X	0.02		
7/29/10	SCW 10 Ramallo			40	40	1X	0.04		
7/30/10	IVAX MPW 6			40	40	1X	0.00		

Ferrous Iron Readings - Stage 2a Groundwater and Surface Water
Cidra Groundwater Contamination Site
Cidra, Puerto Rico

Matrix/ Sample Type	Sample ID	Date	Time	ph	Specific Conductance (mS/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox Potential (mV)	Ferrous Iron (mg/L)
Groundwater	SMW-4	6/1/2012	13:00	6.16	0.661	17.9	1.01	30.03	117.2	0.4
	SMW-6	6/5/2012	10:25	6.8	0.477	8.72	0.43	27.49	-9.3	0.01
	SMW-7	6/5/2012	9:30	6.85	0.513	4.0	353.22	26.87	70.2	0.01
	SMW-8	6/5/2012	13:05	6.7	0.721	7.47	0.19	29.11	-100.3	0.01
Surface Water	SW-1	6/1/2012	9:25	7.93	0.532	1.28	7.94	22.85	161.4	0.0
	SW-2	6/1/2012	8:25	7.98	0.495	4.44	9.2	22.56	176.4	0.0
	SW-3	5/31/2012	11:25	8.02	0.494	0.95	7.88	22.91	119.6	0.13
	SW-4	5/31/2012	10:25	7.93	0.501	2.26	8.1	23.08	153.3	0.09
	SW-5	5/31/2012	9:25	7.81	0.499	0.2	8.61	22.83	158.7	0.13
	SW-6	5/31/2012	8:40	7.8	0.495	0.21	8.68	22.81	176.1	0.0
	SW-7	5/30/2012	11:25	8.25	0.482	1.02	6.13	23.23	104	0.0
	SW-8	5/30/2012	10:35	8.51	0.482	1.14	6.9	23.17	111.2	0.03
	SW-9	5/30/2012	9:35	9.34	0.450	1.42	5.98	23.12	102.8	0.0
	SW-10	5/30/2012	8:25	8.29	0.447	1.37	6	26.04	155.5	0.01

Notes:

* Ferrous iron readings conducted with a HACH field test kit

Acronyms:

mS/cm	millisiemen per centimeter
NTU	nephthalometric turbidity unit
mg/L	milligram per liter
°C	degrees Celcius
mV	millivolt