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REPORT

RCRA FACILITY INVESTIGATION PART 2A REPORT: ADDITIONAL SAMPLING AND ANALYSES

C&D TECHNOLOGIES
200 MAIN STREET
ATTICA, INDIANA

RCRA-05-2007-0003
U.S. EPA ID NO.: IND 000 810 754

Prepared for

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June 5, 2009

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Executive Summary

C&D Technologies is currently performing a RCRA Facility Investigation at their Attica, Indiana facility, located at 200 West Main Street, Attica, Fountain County, IN (the "Site"). Soil, groundwater, sediment and surface water samples collected between December 2007 and June 2008 were evaluated and the results submitted in the October 2008 RCRA Facility Investigation, Part 1 Report. On the basis of the data evaluation and human health risk screening presented in the Part 1 Report, recommendations were made for additional soil sampling in the off-site residential area for arsenic (surface) and lead (subsurface), and on site in the vicinity of soil borings CD-SB-21 and CD-SB-21B (Area 9) for TCE. Further evaluation of data collected for the Part 1 Report was also recommended for potential exposure of construction workers to specific COPCs in soil in Areas 2 and 3 (arsenic), Area 7 (arsenic), Area 11 (lead), and Area 15 (arsenic). One additional groundwater sampling event was also recommended.

Off-Site Residential Soils

Potential exposure of residents to arsenic in surface soil was found to be equivalent to background and, therefore, not Site-related. Potential risks to utility workers from exposure to lead in surface and subsurface soil in the residential area were found to be acceptable.

Area 9 TCE Soil Delineation and Risk Evaluation

The extent of TCE impacted soil in the vicinity of Area 9 was delineated through four additional sampling events: December 16, 2008, January 12, February 9, and April 8, 2009. The maximum soil concentration for TCE (29,000 µg/kg) and the maximum for PCE (23,000 µg/kg) exceeded their respective IDEM industrial soil direct closure levels in the upper (0-2 ft) soil interval. TCE has not migrated further than about 5 ft below ground surface in Area 9, and is essentially non-detect at the 9-10 ft depth. Current TCE and PCE concentrations in indoor air are expected to be well below 1 ppm, based on headspace readings from soil samples collected in Area 9. Therefore, there is no unacceptable risk to OSHA-trained C&D employees for exposure to TCE or PCE from vapor intrusion in the work environment. Under future conditions (removal of concrete floors), there is a potential that TCE and PCE in soil might eventually migrate to the shallow aquifer at concentrations exceeding the IDEM Residential Default Closure Levels (RDCLs) (same as MCLs) for groundwater.

Worker Scenarios for Specific COPCs and Areas

Potential exposure of construction workers to arsenic and lead in soils located under building foundations or other concrete was evaluated in the event that excavation was necessary. No unacceptable risks to construction workers were found for either exposure to arsenic under Areas 2, 3, 7 and 15 or exposure to lead under Area 11.

Groundwater

Groundwater samples and elevations were collected from existing site monitoring wells in December 2008. With the exception of one well that produced extremely turbid samples (resulting in anomalous metals concentrations), there was little difference in groundwater quality as previously described in the Part 1 Report. December shallow groundwater potentiometric surface elevation contours depict a shallow gradient with the apparent groundwater flow direction flowing somewhat sub-parallel to the Wabash River.

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1.0 INTRODUCTION

C&D Technologies (C&D) has retained URS Corporation (URS) to develop and implement environmental investigative programs for C&D's Attica Indiana Facility located at 200 West Main Street, Attica, Fountain County, Indiana (the Site or Facility). This Part 2A report is a supplement to the RCRA Facility Investigation (RFI) Part 1 Report that was submitted to EPA on October 30, 2008 (URS 2008). This report describes the results of additional sampling and analyses that were conducted based on the findings and recommendations of the RFI Part 1 Report. Recommendations for additional sampling and analyses were made for soil and groundwater. Specifically, the recommendations were:

Recommendations for Soil

- Additional sampling and screening of off-site residential soil for arsenic (surface soil) and lead (subsurface soil).
- Additional sampling and screening of soil in the vicinity of CD-SB-21 and CD-SB-21B to delimit the extent of TCE soil contamination within and around Area 9 and to evaluate potential risks.
- Evaluation of soil data previously collected for potential exposure for construction workers, should excavation below the existing concrete be performed. The Areas and COPCs to be evaluated were identified as:
  - Areas 2 and 3 for arsenic
  - Area 7 for arsenic
  - Area 11 for lead
  - Area 15 for arsenic

Recommendations for Groundwater

- Additional sampling and screening of groundwater for VOCs and metals. The data will also be provided in a potentiometric map.

Figure 1-1 shows the SWMU/AOCs, monitoring well and soil sample locations at the Site. Complete analytical data, data validation reports and select Area 9 soil boring logs are provided in **Attachments 1, 2, and 3**, respectively.

Evaluation methodology for human health risk followed that outlined in the RFI Part 1 Report.

2.0 SOILS

2.1 OFF-SITE RESIDENTIAL PROPERTIES SAMPLING

2.1.1 Arsenic in Surface Soil

The off-site residential area is located to the north and east of the facility (see **Figure 1-1**). During the initial RFI Part 1 sampling, only 2 of the 20 samples collected were analyzed for arsenic, and both were found to exceed the IDEM RISC residential screening level for arsenic of 3.9 mg/kg. However, the IDEM RISC residential screening level for arsenic was also exceeded by all background samples. Residential property samples for arsenic were too few (n=2) to perform a statistical comparison with background. After considering the recommendation for further sampling and analysis of residential soil for arsenic, it was noted that thirteen (plus two field duplicate) surface soil samples had been collected in the off-site residential area on March 24, 2008 for lead analysis only. Rather than re-sample surface soil in the off-site residential area, the laboratory was contacted and a request was made to analyze the existing surface soil samples for arsenic (which were confirmed to be within holding times). These results are presented in **Table 1-1**. All arsenic results exceed the IDEM RISC residential screening level for arsenic. As noted above, arsenic in all background soil samples also exceeded the IDEM RISC residential screening level for arsenic. Parent and duplicate samples were averaged and a statistical comparison of residential surface soil with background surface soil data for arsenic using USEPA's ProUCL 4.00.02 software was made. A student's t-test comparing the means shows that the concentrations of arsenic in residential surface soil is less than or equal to that of background (**Attachment 4**). Therefore, potential risks to residents from exposure to arsenic in surface soil are not Site-related.

2.1.2 Lead in Subsurface Soil

In the RFI Part 1 Report, lead in surface soil was shown to pose no unacceptable risk to residential receptors. However, the potential exposure of utility workers to lead in surface and subsurface soil in the residential area was not considered. Therefore, eight additional subsurface samples were collected adjacent to residential yards. Subsurface samples were taken at 4 to 5 feet (ft) below ground surface (bgs) as a typical depth at which utilities would be installed. Sample results are presented in **Table 1-2**. No subsurface sample exceeded the IDEM RISC industrial screening level of 970 mg/kg. Review of the surface soil data for lead (see Table 41 in the RFI Part 1 Report) also showed no exceedances of the IDEM RISC industrial screening level. Therefore, no unacceptable risks to utility workers are expected from exposure to lead in surface and subsurface soil in the residential area.

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2.2 AREA 9 TCE SOIL DELINEATION AND RISK EVALUATION

2.2.1 Area 9 TCE Soil Delineation

During the RFI Part 1 investigation, one soil boring (CD-SB-21) was advanced near the vicinity of Area 9 in December 2007 and soil samples were collected from below the concrete slab. The results showed a concentration of TCE in the 0 to 1 ft interval of 6,000 ug/kg, which exceeded the 2006 IDEM industrial soil direct closure level of 1,100 ug/kg, but not the then-proposed IDEM industrial soil direct closure level of 24,000 ug/kg. The sample taken at the 4 to 5 ft interval was 3.6 µg/kg and both the parent and duplicate samples from the 9 to 10 ft interval were less than the reporting limit (**Table 2-1** and **Attachment 1**). U.S. EPA requested a confirmation sample from the 0 to 1 ft interval, which was collected in June 2008 (CD-SB-21B) approximately one ft from the original location. The TCE result for sample CD-SB-21B was 31,000 ug/kg, which also exceeded both the 2006 and proposed IDEM industrial soil direct closure levels. The proposed IDEM industrial soil direct closure level of 24,000 ug/kg has since been adopted (effective May 1, 2009) (IDEM 2009). Four additional sampling efforts (step-out borings) were made between December 2008 and April 2009 to fully delineate the lateral and vertical extent of TCE and other VOC concentrations in soil in Area 9. The delineation efforts were based on the then-current IDEM industrial soil direct closure level of 1,100 ug/kg for TCE. The lateral delineation boring locations achieved TCE values of less than 500 ug/kg, and the six vertical delineation (9-10 ft) boring locations achieved TCE values of less than 20 ug/kg.

Sampling dates, sample IDs and depths are summarized in the following table:

December 16, 2008		**January 12, 2009**		**February 19, 2009**		**April 8, 2009**	
Sample ID	ft	Sample ID	ft	Sample ID	ft	Sample ID	ft
CD-SB-105	0-1	CD-SB-111	4-5	CD-SB-120	0-1	CD-SB-114	9-10
	2-3		9-10		4-5	CD-SB-121	9-10
CD-SB-106	0-1	CD-SB-113	1-2	CD-SB-121	0-1	CD-SB-129	1-2
	2-3	CD-SB-113B	1-2		4-5		4-5
CD-SB-107	0-1		2-3	CD-SB-122	0-1		9-10
	2-3		4-5		4-5	CD-SB-130	1-2
CD-SB-108	0-1	CD-SB-114	0.5-1	CD-SB-123	0-1		2-3
	2-3		2-3		4-5		4-5
CD-SB-109	0-1		4-5		9	CD-SB-131	1-2
	2-3	CD-SB-115	1-2	CD-SB-124	0-1		2-3
CD-SB-110	0-1		2-3		2-3		4-5
	2-3		4-5	CD-SB-125	0-1	CD-SB-133	1-2
CD-SB-111	0-1	CD-SB-116	1-2		4-5		2-3
	2-3		2-3	CD-SB-126	0-1		4-5
CD-SB-112*			4-5		4-5	CD-SB-134	1-2
		CD-SB-117	1-2	CD-SB-127	0-1		2-3
			2-3		4-5		4-5
			4-5	CD-SB-128	0-1	CD-SB-135	1-2
		CD-SB-118	1-2		3-4		2-3
			2-3				4-5
			4-5			CD-SB-136	1-2
		CD-SB-119	1-2				2-3
			2-3				4-5
			4-5				

*No data collected; refusal of boring advancement due to encountering railroad ties below the concrete

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Sample locations and results for TCE and PCE are presented on **Figure 2-1,** and results for all detected analytes are presented in **Table 2-1**. The sample results show that the VOC impacted soil exceeding the TCE and/or PCE screening values of 24,000 ug/kg and 16,000 ug/kg, respectively, lies primarily in the outdoor alley-way (former rail spur). Sample locations CD-SB-21B (0-1 ft), CD-SB-105 (0-1 ft), CD-SB-111 (2-3 ft), CD-SB-113B (1-2 ft), and CD-SB-118 (1-2 ft) exceeded the screening values, with a maximum detected TCE concentration of 31,000 ug/kg at CD-SB-21B (0-1 ft). One interior sample, CD-SB-122 (0-1 ft) exceeded the screening value with a TCE concentration of 25,000 ug/kg.

Soil samples collected at 4-5 ft from 3 boring locations (CD-SB-113B (4-5), CD-SB-114 (4-5), and CD-SB-121 (4-5)) exceeded the TCE delineation criterion of 1,100 ug/kg. At these or nearby locations, six borings were extended to depths of 9 or 9-10 ft and soil samples were collected. The maximum detected TCE concentration at 9-10 ft was 18 ug/kg at CD-SB-121. The other five borings to 9 or 9-10 ft showed TCE values of non-detect to 7.1 ug/kg.

2.2.2 Area 9 TCE Risk Evaluation

Human health risks from potential exposure to TCE and PCE were evaluated for three potential exposure routes: (1) exposure to soil during subsurface construction activities; (2) exposure to vapor intrusion into facility buildings; and, (3) exposure through the migration from soil to groundwater used as a drinking water source.

Exposure to Soil During Construction

Exposure to COPCs in soil could occur if construction excavation activities were performed. An example of anticipated construction activity would be excavation for the installation of utility lines. The IDEM industrial closure level selected for the initial screening of soil was the lesser of soil saturation, construction and soil direct closure values. For TCE and PCE, the selected screening level was based on the soil direct exposure. This exposure scenario assumes long-term exposure (pro-rated over the lifetime of the worker) with a carcinogenic endpoint. Although this conservative approach is appropriate for screening, long-term exposure to soil is not a representative exposure scenario. In the most-likely scenario for the Site, the installation of underground utilities, the IDEM industrial closure level for construction is more appropriate. The construction scenario assumes a one-year rather than pro-rated lifetime exposure duration. The corresponding IDEM industrial closure levels for the construction scenario are 210,000 µg/kg for TCE and 660,000 µg/kg for PCE. Neither the maximum soil concentration for TCE (29,000 µg/kg) nor the maximum for PCE (23,000 µg/kg) exceeded their respective IDEM industrial construction closure level. Therefore, no unacceptable risk to construction/utility workers would be expected.

Exposure through Vapor Intrusion into Buildings

Occupied buildings used for battery production activities are found overlying and within 100 ft of the TCE/PCE soil contamination (see **Figure 2-1**). Chlorinated solvent vapors in soil may infiltrate the building floors and expose workers via inhalation. Potential risks associated with such vapor intrusion were evaluated for this area. The IDEM draft soil screening vapor intrusion level for commercial exposure (≥ 20 years) is 5,000 µg/kg for both TCE and PCE (IDEM 2006).

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For TCE, eight results in sub-slab surface soil samples (<1 ft) and five results in sub-slab subsurface soil (1-5 ft) samples exceeded this screening value. For PCE, one sample in sub-slab surface soil (0-1 ft) and two samples in sub-slab subsurface soil (1-2 ft) exceeded this screening value. Therefore, a potential risk for the industrial worker may exist through vapor intrusion and inhalation of TCE and PCE in facility buildings. However, C&D has addressed potential worker exposure by incorporating exposure to chlorinated solvents, specifically TCE and PCE, into their employee Hazard Communication Standard (HCS) under OSHA. Therefore, OSHA Permissible Exposure Limits (PELs) of 100 parts per million (ppm) apply for both TCE and PCE in indoor air.

Current TCE and PCE concentrations in indoor air are expected to be well below 1 ppm, based on headspace readings from soil samples collected in Area 9. **Table 2-2** shows the results of headspace monitoring for total volatiles during investigation phases in Area 9. The highest value of total volatiles measured in the headspace above "contained" contaminated soil was 1.4 ppm (PID Mini Rae 2000 Model PGM-7600), which is approximately 2 orders of magnitude below the OSHA PEL of 100 ppm for TCE and PCE. This type of measurement result represents a "worst case scenario" in that the instrument measures the headspace directly above the contaminated soil in a closed bag at room temperature. Concentrations for volatile compounds are anticipated to be significantly less, most likely much less than 1 ppm, in an open air environment such as would be representative of a process work area or an equipment maintenance area.

With the highest value for total volatiles being only 1.4 ppm or 1.4% of the TCE and PCE OSHA PEL values of 100 ppm, it can be concluded that there is no unacceptable risk to C&D employees for exposure to TCE or PCE from vapor intrusion in the work environment.

Migration to Groundwater

The approximate depth to groundwater ranges between 30 and 40 ft bgs at the facility, based on water levels measured at monitoring wells MW-2S and -3S, between January and December 2008. The very low concentrations of TCE in soil at the 9-10 ft depth in Area 9, combined with water quality data from downgradient wells MW-1S, MW-2S, MW-4S, MW-6S, and MW-7S indicates that TCE has not migrated vertically beyond approximately the 5 ft depth in Area 9. (Note that potentiometric surface maps from data collected in January, March and June 2008 (URS 2008), as well as December 2008 as reported in Section 3 herein, show gradients that place one or more of the abovementioned wells (-1S, -2S, -4S, -6S, and/or -7S) downgradient from Area 9.) These downgradient wells have been sampled in January, June, and December 2008, and TCE was not detected in shallow groundwater at concentrations greater than the IDEM residential default closure level of 5 µg/L (see URS 2008, and Section 3 herein).

The IDEM soil residential closure level for migration to groundwater is 57 µg/kg for TCE and 58 µg/kg for PCE. While a number of soil samples collected in the 0-5 ft depth range exceed both TCE and PCE migration to groundwater soil closure levels, the maximum detected soil concentration in the 9 to 10 ft sampling interval for TCE was 18 µg/kg in CD-SB-121 (see **Table 2-1**), which did not exceed the migration to groundwater soil closure levels for TCE and PCE. Because the TCE and PCE-impacted soil is covered with 6 to 12 inches of concrete (see **Table 2-2**), there is currently a low potential for TCE and PCE in soil to migrate to groundwater.

However, should the integrity of the concrete become compromised, through cracking with age or removal, water infiltration and potential migration to groundwater may occur. Under current or future conditions, there is a potential that TCE and other organic compounds in soil would eventually reach the shallow aquifer at concentrations exceeding the IDEM RDCLs (MCLs) for groundwater.

2.3 EVALUATION OF WORKERS SCENARIO FOR SELECTED AREAS AND COPCS

Although most of the Site is covered by building foundations or concrete, potential exposure to soil could occur if excavation was necessary (for example, the installation of utility lines). Soil under concrete in four Areas was found to have COPC concentrations of either arsenic or lead that exceeded their respective conservative IDEM industrial screening levels (the lesser of the soil saturation, construction or soil direct industrial closure levels). For arsenic, the most conservative closure level was for direct soil exposure (20 mg/kg). The direct soil exposure scenario assumes long-term exposure (pro-rated over the lifetime of the worker) with a carcinogenic endpoint. In the most-likely scenario for the Site, the installation of underground utilities, the IDEM industrial closure level for construction is more appropriate. The construction scenario assumes a one-year rather than pro-rated lifetime exposure duration. The IDEM construction closure level for arsenic has a non-carcinogenic endpoint of 320 mg/kg. For lead, the IDEM construction closure level (970 mg/kg) was more conservative than the IDEM soil direct closure level (1,300 mg/kg) and was used for initial screening of COPCs. The four Areas having arsenic or lead soil concentrations in excess of the industrial screening level were evaluated further using data previously collected and presented in the RFI Part 1 Report. Each Area is discussed in the following subsections.

2.3.1 Areas 2 and 3 – Arsenic

Three soil borings were placed in Area 3; however, only one sample (CD-SB-14) was analyzed for all 13 inorganics. The arsenic data for CD-SB-14 and comparison with the IDEM construction closure level are as follows:

AREAS 2 and 3			
Sample ID	***Arsenic***	***EPC***	***IDEM Industrial Construction Closure Level***
CD-SB-14 (0-1)	31.7	31.7	320
CD-SB-14 (4-5)	9.9		
CD-SB-14 (4-5) DUP	3.1		

Units in mg/kg
EPC – Exposure point concentration (maximum)

Arsenic was detected in the surface soil of sample CD-SB-14 at 31.7 mg/kg, which was greater than the IDEM industrial direct soil closure level of 20 mg/kg, but less than the IDEM industrial construction closure level. The arsenic concentration in the subsurface (4-5 ft) sample from this location was less than the IDEM industrial construction closure level for both the parent sample

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(9.9 mg/kg) and its duplicate (3.1 mg/kg). Therefore, no unacceptable risks are expected from potential exposure to soil in Areas 2 and 3.

2.3.2 Area 7 – Arsenic

One soil boring was placed in Area 7 (CD-SB-26) and sampled at 0-1 ft and 4-5 ft, with the following results for arsenic:

AREA 7			
Sample ID	***Arsenic***	***EPC***	***IDEM Industrial Construction Closure Level***
CD-SB-26 (0-1) CD-SB-26 (4-5)	6.2 25.7	25.7	320

Units in mg/kg
EPC – Exposure point concentration (maximum)

The arsenic concentration in the subsurface (4-5 ft) sample was 25.7 mg/kg, which slightly exceeded the IDEM industrial soil direct screening level of 20 mg/kg. The arsenic concentration in surface soil (0-1 ft) was 6.2 mg/kg. As both concentrations are less than the IDEM industrial construction closure level, no unacceptable risks are expected from exposure to soil in Area 7.

2.3.3 Area 11 – Lead

Two soil borings were placed in Area 11 (CD-SB-36 and CD-SB-37) and each was sampled at 0-1 ft and 4-5 ft with the following results:

AREA 11			
Sample ID	***Lead***	***EPC***	***IDEM Industrial Construction Closure Level***
CD-SB-36 (0-1) CD-SB-36 (4-5) CD-SB-36 (4-5) DUP CD-SB-37 (0-1) CD-SB-37 (0-1) DUP CD-SB-37 (2-5)	**2930** 40.3 11 127 386 15.1	806.8	970

Units in mg/kg
Bold – Value exceeds IDEM Industrial Construction Closure Level
EPC – Exposure point concentration (average)

The surface soil sample (0-1 ft) in CD-SB-36 exceeded the IDEM industrial screening level for lead of 970 mg/kg. After averaging parent and duplicate samples, an average lead concentration was calculated for the 0-5 ft interval. The average lead concentration was 806.8 mg/kg. Because this average is less than the IDEM industrial construction closure level for lead, no unacceptable risks are expected from potential exposure to soil in Area 11.

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2.3.4 Area 15 – Arsenic

Three soil borings were placed in Area 15 (CD-SB-50, CD-SB-51 and CD-SB-52); all were sampled at 0-1 ft and 4-5 ft, and two were sampled at 9-10 ft.

AREA 15			
Sample ID	***Arsenic***	***EPC***	***IDEM Industrial Construction Closure Level***
CD-SB-50 (0-1)	8.4	16.6	320
CD-SB-50 (4-5)	9.2		
CD-SB-50 (9-10)	15.8		
CD-SB-51 (0-1)	5.6		
CD-SB-51 (4-5)	11.7		
CD-SB-51 (9-10)	7.7		
CD-SB-52 (0-1)	24.4		
CD-SB-52 (4-5)	5.2		

Units in mg/kg
EPC – Exposure point concentration (95% UCL of all samples 0-5 ft)

One of the eight samples collected exceeded the IDEM industrial soil screening level for arsenic of 20 mg/kg (CD-SB-52 at 0-1 ft; 24.4 mg/kg arsenic). However, all results were less than the IDEM industrial construction closure level for arsenic of 320 mg/kg. Therefore, no unacceptable risks are expected from potential exposure to soil in Area 15.

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3.0 GROUNDWATER

3.1 GROUNDWATER SAMPLING RESULTS

The current sitewide groundwater monitoring well network consists of five deeper groundwater monitoring wells (MW-1 through 5) and nine shallow groundwater monitoring wells (MW-1S through MW-4S and MW-6S through MW-10S). An additional round of sampling of the on-site groundwater monitoring wells was conducted in December 2008. Samples were analyzed for VOCs, total metals, and dissolved lead and copper. Results of the detected analytes are presented in **Table 3-1**. For organic constituents, the concentration of TCE in CD-MW-1 (6.7 µg/L) and CD-MW-2 (18 µg/L) and its duplicate (18 µg/L) exceed the IDEM RDCL (5 µg/L). This finding is consistent with previous sampling event results. For inorganic constituents, the concentrations of total lead (42.6 ug/L) and total arsenic (23.6 ug/L) in sample CD-MW-2s exceeded their respective IDEM RDCLs of 15 ug/L and 10 ug/L. The water in this well was noted to be extremely turbid at the time of sampling, even after allowing water to flow for approximately 20 minutes before the sample was taken. The turbidity and sample results are inconsistent with previous sampling of this well (see Tables 3-17a through 3-17d of the RFI Part 1 Report). A filtered sample from this well was analyzed for lead and copper; lead was not detected in the dissolved fraction (RL = 1 µg/L, **Attachment 1**). The elevated total lead and arsenic concentrations in this sample are likely to be associated with the suspended particulate matter and are not considered representative results. Therefore, arsenic and lead were not evaluated further for human health risk. No other inorganic concentrations exceeded the IDEM RDCLs during the December 2008 sampling event (**Table 3-1**).

3.2 GROUNDWATER GRADIENT

Depth to water (DTW) measurements were collected from the Site monitoring wells on January 9, March 25, June 3, and December 16, 2008. Water table elevations for each well were calculated from the DTW data and potentiometer contour maps were drawn to estimate the flow direction and gradient (see **Figure 3-1**). As previously reported, potentiometric surface elevation contours depict a shallow gradient with the apparent groundwater flow direction flowing somewhat sub-parallel to the Wabash River. During the time the groundwater elevation measurements were taken, a surface elevation was also measured of the Wabash River from a surveyed point along the highway bridge south of the site. The December 2008 surface water elevation was measured at 488.92 MSL whereas in June 2008 the measurement was 499.15 MSL, a difference of approximately 10 ft. Whenever groundwater elevations are measured during sampling events, the river surface elevation will also be recorded to allow for evaluations of the river stage influence on the groundwater potentiometric surface elevations at the site.

4.0 REFERENCES

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TABLES

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Table 1-1
C&D Technologies
Attica, IN
Residential Area Inorganics Surface Soil Data - Residential Scenario

SAMPLE ID		Arsenic	
CD-SB-74 (0-1)	3/24/2008	4.9	
CD-SB-75 (0-1)	3/24/2008	8.5	
CD-SB-76 (0-1)	3/24/2008	8.3	
CD-SB-77 (0-1)	3/24/2008	6.7	
CD-SB-77 (0-1) DUP	3/24/2008	8.3	
CD-SB-78 (0-1)	3/24/2008	9.8	
CD-SB-79 (0-1)	3/24/2008	9.4	
CD-SB-80 (0-1)	3/24/2008	6.8	
CD-SB-81 (0-1)	3/24/2008	8.4	
CD-SB-82 (0-1)	3/24/2008	7.1	
CD-SB-83 (0-1)	3/24/2008	6.7	
CD-SB-84 (0-1)	3/24/2008	13.8	
CD-SB-84 (0-1) DUP	3/24/2008	13.7	
CD-SB-85 (0-1)	3/24/2008	7.2	
CD-SB-86 (0-1)	3/24/2008	8.5	
IDEM HH Res		**3.9**	

Notes:

Table shows detected values only.

All results reported in milligrams per kilogram (mg/kg)

IDEM HH Res = IDEM human health residential soil screening level.

= Constituent detected above the IDEM Human Health screening level.

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Table 1-2
C&D Technologies
Attica, IN
Residential Area Inorganics Subsurface Soil Data - Utility Worker Scenario

SAMPLE ID		Lead	
CD-SB-62 (4-5)	12/17/2008	23.8	
CD-SB-64 (4-5)	12/17/2008	125	
CD-SB-75 (4-5)	12/17/2008	21.4	
CD-SB-77 (4-5)	12/17/2008	81.7	
CD-SB-78 (4-5)	12/17/2008	17	
CD-SB-80 (4-5)	12/17/2008	63.9	
CD-SB-83 (4-5)	12/17/2008	13.3	
CD-SB-84 (4-5)	12/17/2008	20.5	
IDEM HH IND		**970**	

Notes:

Table shows detected values only.

All results reported in milligrams per kilogram (mg/kg)

IDEM HH IND = IDEM human health industrial screening level.

= Constituent detected above the IDEM human health screening level.

Table 2-1
C&D Technologies
Attica, IN
Area 9 Volatile Organic Soil Data

SAMPLE ID		Ethylbenzene		Tetrachloroethene		Toluene		Trichloroethene		Xylenes (total)		Carbon disulfide	
CD-SB-21 (0-1)	12/13/2007			130	J			6000					
CD-SB-21 (4-5)	12/13/2007							3.6	J				
CD-SB-21 (9-10)	12/13/2007												
CD-SB-21B (0-1)	6/4/2008			250	J			31000					
CD-SB-105 (0-1)	12/16/2008	57	J	7300		37	J	28000		130	J		
CD-SB-105 (2-3)	12/16/2008			270				1100					
CD-SB-106 (0-1)	12/16/2008			13	J			1700				120	J
CD-SB-106 (2-3)	12/16/2008			94	J			2800					
CD-SB-107 (0-1)	12/16/2008	32	J	39	J			990		38	J		
CD-SB-107 (2-3)	12/16/2008			26	J			570					
CD-SB-108 (0-1)	12/16/2008							310					
CD-SB-108 (0-1) DUP	12/16/2008	1.6	J	1.9	J	6.8		42		4.1	J	4.7	
CD-SB-108 (2-3)	12/16/2008							3.4	J				
CD-SB-109 (0-1)	12/16/2008	1.6	J			6.2		20		4.1	J	1.6	J
CD-SB-109 (2-3)	12/16/2008	14	J	44	J			670	J	17	J		
CD-SB-110 (0-1)	12/16/2008			110	J			14000					
CD-SB-110 (2-3)	12/16/2008			34	J			3900					
CD-SB-111 (0-1)	12/16/2008			160	J			15000					
CD-SB-111 (0-1) DUP	12/16/2008			200	J			20000					
CD-SB-111 (2-3)	12/16/2008							27000					
CD-SB-111 (4-5)	1/12/2009							1.4	J				
CD-SB-111 (9-10)	1/12/2009							7.1					
CD-SB-113 (1-2)	1/12/2009			210				1300		14	J		
CD-SB-113B (1-2)	1/12/2009							29000					
CD-SB-113B (2-3)	1/12/2009	24	J					3100		57	J		
CD-SB-113B (4-5)	1/12/2009							1200					
CD-SB-114 (0.5-1.0)	1/12/2009							14000					
CD-SB-114 (2-3)	1/12/2009							1.8	J				
CD-SB-114 (4-5)	1/12/2009							1900					
CD-SB-114 (9-10)	4/8/2009	2.6	J			8.1		0.6	J	6.7	J		
CD-SB-115 (1-2)	1/12/2009			7100				12000					
CD-SB-115 (2-3)	1/12/2009	0.53	J	3	J	2.1	J	21		1.9	J		
CD-SB-115 (4-5)	1/12/2009			210	J			240					
CD-SB-116 (1-2)	1/12/2009			1200	J			17000	J				
CD-SB-116 (2-3)	1/12/2009							240					
CD-SB-116 (4-5)	1/12/2009			59	J			910					
CD-SB-117 (1-2)	1/12/2009			3700				2600		17	J		
CD-SB-117 (2-3)	1/12/2009			2300				2500					
CD-SB-117 (4-5)	1/12/2009	0.62	J	3.8	J	3.4	J	5		2.3	J		
CD-SB-118 (1-2)	1/12/2009			23000				1700					
CD-SB-118 (2-3)	1/12/2009			4500				490					
CD-SB-118 (4-5)	1/12/2009			730				300		23	J		
CD-SB-119 (1-2)	1/12/2009			3700				100	J				
CD-SB-119 (2-3)	1/12/2009			1700				46	J				
CD-SB-119 (4-5)	1/12/2009			4		1.3	J	3.5	J				
IDEM Human Health		**160000**		**16000**		**310000**		**24000**		**170000**		**480000**	

Table 2-1 cont.
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Attica, IN
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SAMPLE ID		Ethylbenzene		Tetrachloroethene		Toluene		Trichloroethene		Xylenes (total)		Carbon disulfide	
CD-SB-120 (0-1)	2/19/2009			4	J	0.62	J	1.9	J				
CD-SB-120 (4-5)	2/19/2009	0.91	J	7.7		3.8	J	9.4		1.7	J	1.6	J
CD-SB-121 (0-1)	2/19/2009			1200				3100					
CD-SB-121 (4-5)	2/19/2009			1700				10000					
CD-SB-121 (9-10)	4/8/2009	1	J	2.1	J	3.7	J	18		2.1	J	3.2	J
CD-SB-122 (0-1)	2/19/2009			2600				25000					
CD-SB-122 (0-1) DUP	2/19/2009			2500				8200					
CD-SB-122 (4-5)	2/19/2009			31				180				0.69	J
CD-SB-123 (0-1)	2/19/2009	2.4	J	28		6.1		3.3	J	5.8	J	1.1	J
CD-SB-123 (4-5)	2/19/2009	1.1	J	4.8	J	6.6	J	2.8	J	2.7	J	1.5	J
CD-SB-123 (9)	2/19/2009			46	J								
CD-SB-124 (0-1)	2/19/2009			1.1	J	2.3	J					2.3	J
CD-SB-124 (2-3)	2/19/2009					0.9	J					2.8	J
CD-SB-125 (0-1)	2/19/2009			210	J	33	J	13000		68	J		
CD-SB-125 (4-5)	2/19/2009							0.32	J				
CD-SB-126 (0-1)	2/19/2009	2.1	J	1.3	J	7.5		9.6		4.9	J	2.3	J
CD-SB-126 (4-5)	2/19/2009							1	J				
CD-SB-127 (0-1)	2/19/2009			360				100	J				
CD-SB-127 (4-5)	2/19/2009	1.2	J	2.3	J	4.4		3	J	2.4	J	1.5	J
CD-SB-128 (0-1)	2/19/2009	1.1	J			4.2	J			2.3	J	1.3	J
CD-SB-128 (0-1) DUP	2/19/2009					2.4	J					20	
CD-SB-128 (3-4)	2/19/2009												
CD-SB-129 (1-2)	4/8/2009					1	J	0.86	J			1.6	J
CD-SB-129 (4-5)	4/8/2009					0.71	J					3.5	J
CD-SB-129 (9-10)	4/8/2009	4.1	J			12				10			
CD-SB-130 (1-2)	4/8/2009			6.2	J	1.9	J					16	
CD-SB-130 (2-3)	4/8/2009	1	J	12	J	3.3	J	3.3	J	1.2	J	28	
CD-SB-130 (4-5)	4/8/2009			1.3	J	0.56	J	0.84	J			2	J
CD-SB-131 (1-2)	4/8/2009			2	J	1.8	J	12				2.5	J
CD-SB-131 (2-3)	4/8/2009					0.65	J	4.2	J				
CD-SB-131 (4-5)	4/8/2009							0.6	J				
CD-SB-133 (1-2)	4/8/2009	1.1	J			5.4				3.1	J	6.2	
CD-SB-133 (2-3)	4/8/2009												
CD-SB-133 (4-5)	4/8/2009					0.82	J					1.4	J
CD-SB-134 (1-2)	4/8/2009	21	J	45	J			420		170	J		
CD-SB-134 (2-3)	4/8/2009			3.5	J			20				2.7	J
CD-SB-134 (4-5)	4/8/2009							1.3	J			1.8	J
CD-SB-135 (1-2)	4/8/2009			6.7	J	1.1	J	3.1	J			5.1	J
CD-SB-135 (2-3)	4/8/2009			4.5	J	0.51	J	1.9	J			1.5	J
CD-SB-135 (4-5)	4/8/2009			1.7	J	0.62	J	1	J			3.4	J
CD-SB-136 (1-2)	4/8/2009	0.67	J	3.7	J	2.1	J	1.2	J	1.1	J	2.4	J
CD-SB-136 (2-3)	4/8/2009			5.2		0.94	J	1.2	J				
CD-SB-136 (4-5)	4/8/2009	0.77	J	1.8	J	2.7	J	0.45	J	1.7	J	1.5	J
IDEM Human Health		**160000**		**16000**		**310000**		**24000**		**170000**		**480000**	

Table 2-1 cont.
C&D Technologies
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Area 9 Volatile Organic Soil Data

SAMPLE ID		2-Butanone (MEK)		Acetone		Benzene		Chloroform		Carbon tetrachloride		1,2-Dichloropropane	
CD-SB-21 (0-1)	12/13/2007												
CD-SB-21 (4-5)	12/13/2007												
CD-SB-21 (9-10)	12/13/2007												
CD-SB-21B (0-1)	6/4/2008												
CD-SB-105 (0-1)	12/16/2008												
CD-SB-105 (2-3)	12/16/2008												
CD-SB-106 (0-1)	12/16/2008												
CD-SB-106 (2-3)	12/16/2008												
CD-SB-107 (0-1)	12/16/2008												
CD-SB-107 (2-3)	12/16/2008												
CD-SB-108 (0-1)	12/16/2008												
CD-SB-108 (0-1) DUP	12/16/2008	3.4	J	27		2.9	J						
CD-SB-108 (2-3)	12/16/2008	10	J	52									
CD-SB-109 (0-1)	12/16/2008	2.5	J	6.6	J	2.4	J	0.28	J				
CD-SB-109 (2-3)	12/16/2008												
CD-SB-110 (0-1)	12/16/2008									41	J		
CD-SB-110 (2-3)	12/16/2008									15	J	11	J
CD-SB-111 (0-1)	12/16/2008												
CD-SB-111 (0-1) DUP	12/16/2008												
CD-SB-111 (2-3)	12/16/2008												
CD-SB-111 (4-5)	1/12/2009			23	J								
CD-SB-111 (9-10)	1/12/2009			30	J								
CD-SB-113 (1-2)	1/12/2009												
CD-SB-113B (1-2)	1/12/2009												
CD-SB-113B (2-3)	1/12/2009												
CD-SB-113B (4-5)	1/12/2009												
CD-SB-114 (0.5-1.0)	1/12/2009												
CD-SB-114 (2-3)	1/12/2009			7.9	J								
CD-SB-114 (4-5)	1/12/2009												
CD-SB-114 (9-10)	4/8/2009	1.5	J	4.8	J	3.1	J						
CD-SB-115 (1-2)	1/12/2009												
CD-SB-115 (2-3)	1/12/2009			24		1.1	J						
CD-SB-115 (4-5)	1/12/2009												
CD-SB-116 (1-2)	1/12/2009												
CD-SB-116 (2-3)	1/12/2009												
CD-SB-116 (4-5)	1/12/2009												
CD-SB-117 (1-2)	1/12/2009									95	J		
CD-SB-117 (2-3)	1/12/2009									69	J		
CD-SB-117 (4-5)	1/12/2009			26	J	1.4	J						
CD-SB-118 (1-2)	1/12/2009												
CD-SB-118 (2-3)	1/12/2009												
CD-SB-118 (4-5)	1/12/2009												
CD-SB-119 (1-2)	1/12/2009												
CD-SB-119 (2-3)	1/12/2009												
CD-SB-119 (4-5)	1/12/2009			17	J	0.64	J						
IDEM Human Health		**28000000**		**51000000**		**14000**		**4700**		**5200**		**7200**	

Table 2-1 cont.
C&D Technologies
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Area 9 Volatile Organic Soil Data

SAMPLE ID		2-Butanone (MEK)		Acetone		Benzene		Chloroform		Carbon tetrachloride		1,2-Dichloropropane	
CD-SB-120 (0-1)	2/19/2009	2.1	J	20	J	0.58	J						
CD-SB-120 (4-5)	2/19/2009	4.9	J	39	J	2.1	J						
CD-SB-121 (0-1)	2/19/2009												
CD-SB-121 (4-5)	2/19/2009												
CD-SB-121 (9-10)	4/8/2009	1.7	J	8	J	2.4	J						
CD-SB-122 (0-1)	2/19/2009												
CD-SB-122 (0-1) DUP	2/19/2009												
CD-SB-122 (4-5)	2/19/2009	8.9	J	73	J	0.26	J						
CD-SB-123 (0-1)	2/19/2009	19		53	J	1.9	J						
CD-SB-123 (4-5)	2/19/2009	2.4	J	20	J	2.8	J						
CD-SB-123 (9)	2/19/2009												
CD-SB-124 (0-1)	2/19/2009	6.7	J	68	J	2.3	J						
CD-SB-124 (2-3)	2/19/2009	3.5	J	38	J	0.94	J						
CD-SB-125 (0-1)	2/19/2009	100	J										
CD-SB-125 (4-5)	2/19/2009	3.3	J	36	J								
CD-SB-126 (0-1)	2/19/2009	1.8	J	8.3	J	3.1	J						
CD-SB-126 (4-5)	2/19/2009	2.9	J	28	J								
CD-SB-127 (0-1)	2/19/2009												
CD-SB-127 (4-5)	2/19/2009	3	J	21	J	1.6	J						
CD-SB-128 (0-1)	2/19/2009	2	J	15	J	3	J						
CD-SB-128 (0-1) DUP	2/19/2009	3.4	J	40	J	20							
CD-SB-128 (3-4)	2/19/2009	18	J	120	J	0.61	J						
CD-SB-129 (1-2)	4/8/2009	4.9	J	47		0.65	J						
CD-SB-129 (4-5)	4/8/2009	6.6	J	66		1.1	J						
CD-SB-129 (9-10)	4/8/2009	4.7	J	25		5							
CD-SB-130 (1-2)	4/8/2009	4.8	J	48		1.2	J						
CD-SB-130 (2-3)	4/8/2009	5.3	J	60		1.7	J						
CD-SB-130 (4-5)	4/8/2009	6.5	J	62		0.35	J						
CD-SB-131 (1-2)	4/8/2009	7.1	J	93		1.1	J						
CD-SB-131 (2-3)	4/8/2009	3.8	J	63		0.34	J						
CD-SB-131 (4-5)	4/8/2009	5.5	J	73									
CD-SB-133 (1-2)	4/8/2009			12	J	1.7	J						
CD-SB-133 (2-3)	4/8/2009			8.5	J								
CD-SB-133 (4-5)	4/8/2009			11	J								
CD-SB-134 (1-2)	4/8/2009												
CD-SB-134 (2-3)	4/8/2009			34		0.41	J						
CD-SB-134 (4-5)	4/8/2009	5	J	48									
CD-SB-135 (1-2)	4/8/2009	2.5	J	29	J	1.4	J						
CD-SB-135 (2-3)	4/8/2009	3.5	J	34		0.58	J						
CD-SB-135 (4-5)	4/8/2009	4.1	J	43		0.54	J						
CD-SB-136 (1-2)	4/8/2009	2.9	J	18	J	2.2	J						
CD-SB-136 (2-3)	4/8/2009	3.7	J	41		0.55	J						
CD-SB-136 (4-5)	4/8/2009	3.2	J	27		1.4	J						
IDEM Human Health		**28000000**		**51000000**		**14000**		**4700**		**5200**		**7200**	

Table 2-1 cont.
C&D Technologies
Attica, IN
Area 9 Volatile Organic Soil Data

SAMPLE ID		Dichlorodifluoromethane		Iodomethane		1,1,1-Trichloroethane		1,1-Dichloroethene		2-Hexanone	
CD-SB-21 (0-1)	12/13/2007										
CD-SB-21 (4-5)	12/13/2007										
CD-SB-21 (9-10)	12/13/2007										
CD-SB-21B (0-1)	6/4/2008										
CD-SB-105 (0-1)	12/16/2008										
CD-SB-105 (2-3)	12/16/2008										
CD-SB-106 (0-1)	12/16/2008										
CD-SB-106 (2-3)	12/16/2008										
CD-SB-107 (0-1)	12/16/2008										
CD-SB-107 (2-3)	12/16/2008										
CD-SB-108 (0-1)	12/16/2008										
CD-SB-108 (0-1) DUP	12/16/2008										
CD-SB-108 (2-3)	12/16/2008										
CD-SB-109 (0-1)	12/16/2008										
CD-SB-109 (2-3)	12/16/2008										
CD-SB-110 (0-1)	12/16/2008										
CD-SB-110 (2-3)	12/16/2008										
CD-SB-111 (0-1)	12/16/2008										
CD-SB-111 (0-1) DUP	12/16/2008										
CD-SB-111 (2-3)	12/16/2008										
CD-SB-111 (4-5)	1/12/2009	2.2	J								
CD-SB-111 (9-10)	1/12/2009			1.4	J						
CD-SB-113 (1-2)	1/12/2009										
CD-SB-113B (1-2)	1/12/2009										
CD-SB-113B (2-3)	1/12/2009										
CD-SB-113B (4-5)	1/12/2009										
CD-SB-114 (0.5-1.0)	1/12/2009										
CD-SB-114 (2-3)	1/12/2009										
CD-SB-114 (4-5)	1/12/2009										
CD-SB-114 (9-10)	4/8/2009										
CD-SB-115 (1-2)	1/12/2009										
CD-SB-115 (2-3)	1/12/2009										
CD-SB-115 (4-5)	1/12/2009										
CD-SB-116 (1-2)	1/12/2009										
CD-SB-116 (2-3)	1/12/2009										
CD-SB-116 (4-5)	1/12/2009										
CD-SB-117 (1-2)	1/12/2009										
CD-SB-117 (2-3)	1/12/2009										
CD-SB-117 (4-5)	1/12/2009										
CD-SB-118 (1-2)	1/12/2009										
CD-SB-118 (2-3)	1/12/2009										
CD-SB-118 (4-5)	1/12/2009										
CD-SB-119 (1-2)	1/12/2009					50	J				
CD-SB-119 (2-3)	1/12/2009										
CD-SB-119 (4-5)	1/12/2009										
IDEM Human Health		**310000000**		**NE**		**640000**		**410000**		**NE**	

Table 2-1 cont.
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Area 9 Volatile Organic Soil Data

SAMPLE ID		Dichlorodifluoromethane		Iodomethane		1,1,1-Trichloroethane		1,1-Dichloroethene		2-Hexanone	
CD-SB-120 (0-1)	2/19/2009										
CD-SB-120 (4-5)	2/19/2009					0.77	J				
CD-SB-121 (0-1)	2/19/2009					160	J				
CD-SB-121 (4-5)	2/19/2009					850		36	J		
CD-SB-121 (9-10)	4/8/2009										
CD-SB-122 (0-1)	2/19/2009					810	J				
CD-SB-122 (0-1) DUP	2/19/2009					510					
CD-SB-122 (4-5)	2/19/2009	1.2	J			8.2					
CD-SB-123 (0-1)	2/19/2009									2.6	J
CD-SB-123 (4-5)	2/19/2009					3.9	J				
CD-SB-123 (9)	2/19/2009										
CD-SB-124 (0-1)	2/19/2009										
CD-SB-124 (2-3)	2/19/2009										
CD-SB-125 (0-1)	2/19/2009										
CD-SB-125 (4-5)	2/19/2009										
CD-SB-126 (0-1)	2/19/2009										
CD-SB-126 (4-5)	2/19/2009			0.47	J						
CD-SB-127 (0-1)	2/19/2009										
CD-SB-127 (4-5)	2/19/2009										
CD-SB-128 (0-1)	2/19/2009										
CD-SB-128 (0-1) DUP	2/19/2009										
CD-SB-128 (3-4)	2/19/2009	0.89	J	2.8	J						
CD-SB-129 (1-2)	4/8/2009										
CD-SB-129 (4-5)	4/8/2009										
CD-SB-129 (9-10)	4/8/2009										
CD-SB-130 (1-2)	4/8/2009										
CD-SB-130 (2-3)	4/8/2009										
CD-SB-130 (4-5)	4/8/2009										
CD-SB-131 (1-2)	4/8/2009										
CD-SB-131 (2-3)	4/8/2009										
CD-SB-131 (4-5)	4/8/2009			0.48	J						
CD-SB-133 (1-2)	4/8/2009										
CD-SB-133 (2-3)	4/8/2009										
CD-SB-133 (4-5)	4/8/2009										
CD-SB-134 (1-2)	4/8/2009										
CD-SB-134 (2-3)	4/8/2009										
CD-SB-134 (4-5)	4/8/2009										
CD-SB-135 (1-2)	4/8/2009										
CD-SB-135 (2-3)	4/8/2009										
CD-SB-135 (4-5)	4/8/2009										
CD-SB-136 (1-2)	4/8/2009										
CD-SB-136 (2-3)	4/8/2009										
CD-SB-136 (4-5)	4/8/2009										
IDEM Human Health		**310000000**		**NE**		**640000**		**410000**		**NE**	

Table 2-1 cont.
C&D Technologies
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Area 9 Volatile Organic Soil Data

SAMPLE ID		4-Methyl-2-pentanone (MIBK)		Chloromethane		Methylene chloride	
CD-SB-21 (0-1)	12/13/2007						
CD-SB-21 (4-5)	12/13/2007						
CD-SB-21 (9-10)	12/13/2007						
CD-SB-21B (0-1)	6/4/2008						
CD-SB-105 (0-1)	12/16/2008						
CD-SB-105 (2-3)	12/16/2008						
CD-SB-106 (0-1)	12/16/2008						
CD-SB-106 (2-3)	12/16/2008						
CD-SB-107 (0-1)	12/16/2008						
CD-SB-107 (2-3)	12/16/2008						
CD-SB-108 (0-1)	12/16/2008						
CD-SB-108 (0-1) DUP	12/16/2008						
CD-SB-108 (2-3)	12/16/2008						
CD-SB-109 (0-1)	12/16/2008						
CD-SB-109 (2-3)	12/16/2008						
CD-SB-110 (0-1)	12/16/2008						
CD-SB-110 (2-3)	12/16/2008						
CD-SB-111 (0-1)	12/16/2008						
CD-SB-111 (0-1) DUP	12/16/2008						
CD-SB-111 (2-3)	12/16/2008						
CD-SB-111 (4-5)	1/12/2009						
CD-SB-111 (9-10)	1/12/2009						
CD-SB-113 (1-2)	1/12/2009						
CD-SB-113B (1-2)	1/12/2009						
CD-SB-113B (2-3)	1/12/2009						
CD-SB-113B (4-5)	1/12/2009						
CD-SB-114 (0.5-1.0)	1/12/2009						
CD-SB-114 (2-3)	1/12/2009						
CD-SB-114 (4-5)	1/12/2009						
CD-SB-114 (9-10)	4/8/2009						
CD-SB-115 (1-2)	1/12/2009						
CD-SB-115 (2-3)	1/12/2009						
CD-SB-115 (4-5)	1/12/2009						
CD-SB-116 (1-2)	1/12/2009						
CD-SB-116 (2-3)	1/12/2009						
CD-SB-116 (4-5)	1/12/2009						
CD-SB-117 (1-2)	1/12/2009						
CD-SB-117 (2-3)	1/12/2009						
CD-SB-117 (4-5)	1/12/2009						
CD-SB-118 (1-2)	1/12/2009						
CD-SB-118 (2-3)	1/12/2009						
CD-SB-118 (4-5)	1/12/2009						
CD-SB-119 (1-2)	1/12/2009						
CD-SB-119 (2-3)	1/12/2009						
CD-SB-119 (4-5)	1/12/2009						
IDEM Human Health		**8700000**		**8400***		**200000**	

Table 2-1 cont.
C&D Technologies
Attica, IN
Area 9 Volatile Organic Soil Data

SAMPLE ID		4-Methyl-2-pentanone (MIBK)		Chloromethane		Methylene chloride	
CD-SB-120 (0-1)	2/19/2009						
CD-SB-120 (4-5)	2/19/2009						
CD-SB-121 (0-1)	2/19/2009						
CD-SB-121 (4-5)	2/19/2009						
CD-SB-121 (9-10)	4/8/2009						
CD-SB-122 (0-1)	2/19/2009						
CD-SB-122 (0-1) DUP	2/19/2009						
CD-SB-122 (4-5)	2/19/2009						
CD-SB-123 (0-1)	2/19/2009	1.7	J				
CD-SB-123 (4-5)	2/19/2009						
CD-SB-123 (9)	2/19/2009						
CD-SB-124 (0-1)	2/19/2009						
CD-SB-124 (2-3)	2/19/2009						
CD-SB-125 (0-1)	2/19/2009						
CD-SB-125 (4-5)	2/19/2009						
CD-SB-126 (0-1)	2/19/2009						
CD-SB-126 (4-5)	2/19/2009						
CD-SB-127 (0-1)	2/19/2009						
CD-SB-127 (4-5)	2/19/2009						
CD-SB-128 (0-1)	2/19/2009						
CD-SB-128 (0-1) DUP	2/19/2009						
CD-SB-128 (3-4)	2/19/2009						
CD-SB-129 (1-2)	4/8/2009						
CD-SB-129 (4-5)	4/8/2009						
CD-SB-129 (9-10)	4/8/2009						
CD-SB-130 (1-2)	4/8/2009			0.84	J	2.5	J
CD-SB-130 (2-3)	4/8/2009			1.3	J	4	J
CD-SB-130 (4-5)	4/8/2009			0.81	J	1.3	J
CD-SB-131 (1-2)	4/8/2009						
CD-SB-131 (2-3)	4/8/2009						
CD-SB-131 (4-5)	4/8/2009						
CD-SB-133 (1-2)	4/8/2009						
CD-SB-133 (2-3)	4/8/2009					1.2	J
CD-SB-133 (4-5)	4/8/2009						
CD-SB-134 (1-2)	4/8/2009						
CD-SB-134 (2-3)	4/8/2009					2.2	J
CD-SB-134 (4-5)	4/8/2009						
CD-SB-135 (1-2)	4/8/2009					2.5	J
CD-SB-135 (2-3)	4/8/2009						
CD-SB-135 (4-5)	4/8/2009					1.6	J
CD-SB-136 (1-2)	4/8/2009						
CD-SB-136 (2-3)	4/8/2009					1.8	J
CD-SB-136 (4-5)	4/8/2009					1.2	J
IDEM Human Health		**8700000**		**8400***		**200000**	

Table 2-1 cont.
C&D Technologies
Attica, IN
Area 9 Volatile Organic Soil Data

Notes:

Table shows detected values only.

All results reported in micrograms per kilogram (ug/kg).

IDEM Human Health = IDEM human health industrial screening level.

* = IDEM screening level not established; value is from U.S. EPA Multi-Regional screening level table (U.S. EPA 2009).

NE = Screening value has not been established for this constituent.

J = Compound detected below the quantitation limit, but above the MDL.

= Constituent detected above the IDEM Human Health screening level.

Table 2-2
C & D Technologies
Attica, IN
Area 9 Headspace PID Readings and Concrete Thickness

		PID Readings (PPM)			
	Sample Depth	0-1'	2-3'	4-5'	9-10'
Concrete Thickness in Inches	**Soil Boring ID**				
6"	SB-124	0.0	0.0		
9"	SB-136	0.0	0.0	0.0	
9"	SB-135	0.0	0.0	0.0	
6"	SB-134	0.0	0.0	0.0	
6"	SB-133	0.0	0.0	0.0	
10"	SB-127	0.0		0.0	
5"	SB-126	0.0		0.0	
6"	SB-122	0.0		0.0	
6"	SB-123	0.0		0.0	0.0
6"	SB-120	0.0		0.0	
8"	SB-130	0.0	0.0	0.0	
9"	SB-125	0.0		0.0	
12"	SB-131	0.0	0.0	0.0	0.0
6"	SB-114	0.1	0.0	0.2	
6"	SB-121	0.0		0.0	0.0
12"	SB-111	1.4	0.7	0.0	0.1

Notes:
PID used was a Mini Rae 2000 Model PGM-7600
Range of PID: 0-10,000 ppm

US EPA ARCHIVE DOCUMENT

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Table 3-1
C&D Technologies
Attica, IN
Groundwater Data
December 17, 18, 2008

LOCATION	cis-1,2-Dichloroethene		Trichloroethene		Chloroform		Carbon tetrachloride	
CD-MW-1	0.26	J	6.7					
CD-MW-1S			2.4					
CD-MW-1S-DUP			2.4					
CD-MW-2	2.7		18		0.17	J		
CD-MW-2-DUP	2.6		18		0.17	J		
CD-MW-2S			1.6				0.27	J
CD-MW-3[(1)]			3.3					
CD-MW-10S	0.26	J						
IDEM RDCL	**70**		**5**		**80**		**5**	

Notes:

Table shows detected values only.

All results reported in micrograms per liter (ug/L).

IDEM RDCL = Indiana Department of Environmental Management Residential Default Closure Level - Federal Safe Drinking Water Act (SWDA) maximum contaminant levels (MCLs) represent the default RDCL for those contaminants where an MCL has been established.

(1) = Well is considered to be a background well.

J = Compound detected below the quantitation limit, but above the MDL.

= Constituent detected above the IDEM RDCL.

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Table 3-1 cont.
C&D Technologies
Attica, IN
Groundwater Data
December 17, 18, 2008

LOCATION	Arsenic		Barium		Chromium		Cobalt		Lead		Nickel		Vanadium		Antimony		Copper		Beryllium	
CD-MW-1	0.78	B	79.6	B J	2.8	B	0.49	B	0.61	B	1.2	B	1.2	B						
CD-MW-1S	1.4		77.4	B J	2.8	B	0.85	B	1.5		2.1		2.3	B			2.2	J		
CD-MW-1S-DUP	1.4		87.8	B J	3	B	0.9	B	1.7		2.1		2.5	B			2.4	J		
CD-MW-2	2		88.9	B J	7.3	B	1.2		1.2		2.9		2.6	B			3.6	J		
CD-MW-2-DUP	2.1		89.4	B J	8.3	B	1.3		1.3		3.2		2.9	B			3.5	J		
CD-MW-2S	23.6		233	J	88.5		20.3		42.6		53.1		54.8		1.1	B	55.8	J	1	
CD-MW-3	0.86	B	91	B J	1.1	B	4.7		0.57	B	1.9	B	0.98	B	0.14	B				
CD-MW-4	1.1		71.9	B J	3.2	B	0.85	B	1.5		2.2		3.4	B			2.5	J		
CD-MW-4S	2.7		85.4	B J	1.2	B	0.84	B	1.3		2.6		1.8	B	0.22	B	3.1	J		
CD-MW-5	4		92.9	B J	1.1	B	0.99	B	1.5		1.9	B	2	B						
CD-MW-6S	4		81.4	B J	3.1	B	1.6		4.7		4.9		4.7	B	0.24	B	9.4	J		
CD-MW-7S	1.3		75.6	B J	1.7	B	0.65	B	2.8		2.4		2	B	0.26	B	2.8	J		
CD-MW-8S	0.63	B	48.4	B J			0.16	B	0.59	B	1.8	B	0.83	B	0.51	B				
CD-MW-9S	1.9		70.5	B J	2.5	B	1.9		3		2.5		2.2	B			3.3	J		
CD-MW-10S	0.73	B	128	B J	1.2	B	0.93	B	0.81	B	4.9		1.3	B	0.2	B				
IDEM RDCL	**10**		**2000**		**100**		**NE**		**15**		**730**		**NE**		**6**		**1300**		**4**	

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Table 3-1 cont.
C&D Technologies
Attica, IN
Groundwater Data
December 17, 18, 2008

LOCATION	Cadmium		Selenium		Thallium		Tin		Zinc	
CD-MW-1										
CD-MW-1S										
CD-MW-1S-DUP										
CD-MW-2										
CD-MW-2-DUP										
CD-MW-2S	0.51		3.7	B	0.72	B	2.2	B	164	J
CD-MW-3							0.38	B		
CD-MW-4										
CD-MW-4S					0.15	B	0.34	B		
CD-MW-5	0.33									
CD-MW-6S							0.34	B		
CD-MW-7S							0.51	B		
CD-MW-8S										
CD-MW-9S										
CD-MW-10S										
IDEM RDCL	**5**		**50**		**2**		**NE**		**11000**	

Notes:

Table shows detected values only.

All results reported in micrograms per liter (ug/L) and represent total concentrations.

IDEM RDCL = Indiana Department of Environmental Management Residential Default Closure Level - Federal Safe Drinking Water Act (SWDA) maximum contaminant levels (MCLs) represent the default RDCL for those contaminants where an MCL has been established.

J = Compound detected in method blank, but detection > 5x method blank.

B = Analyte was detected below the quantitation limit, but above the MDL.

B J = Analyte was detected below the quantitation limit and in the method blank, but detection was > 5x method blank.

= Constituent detected above the IDEM RDCL

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FIGURES

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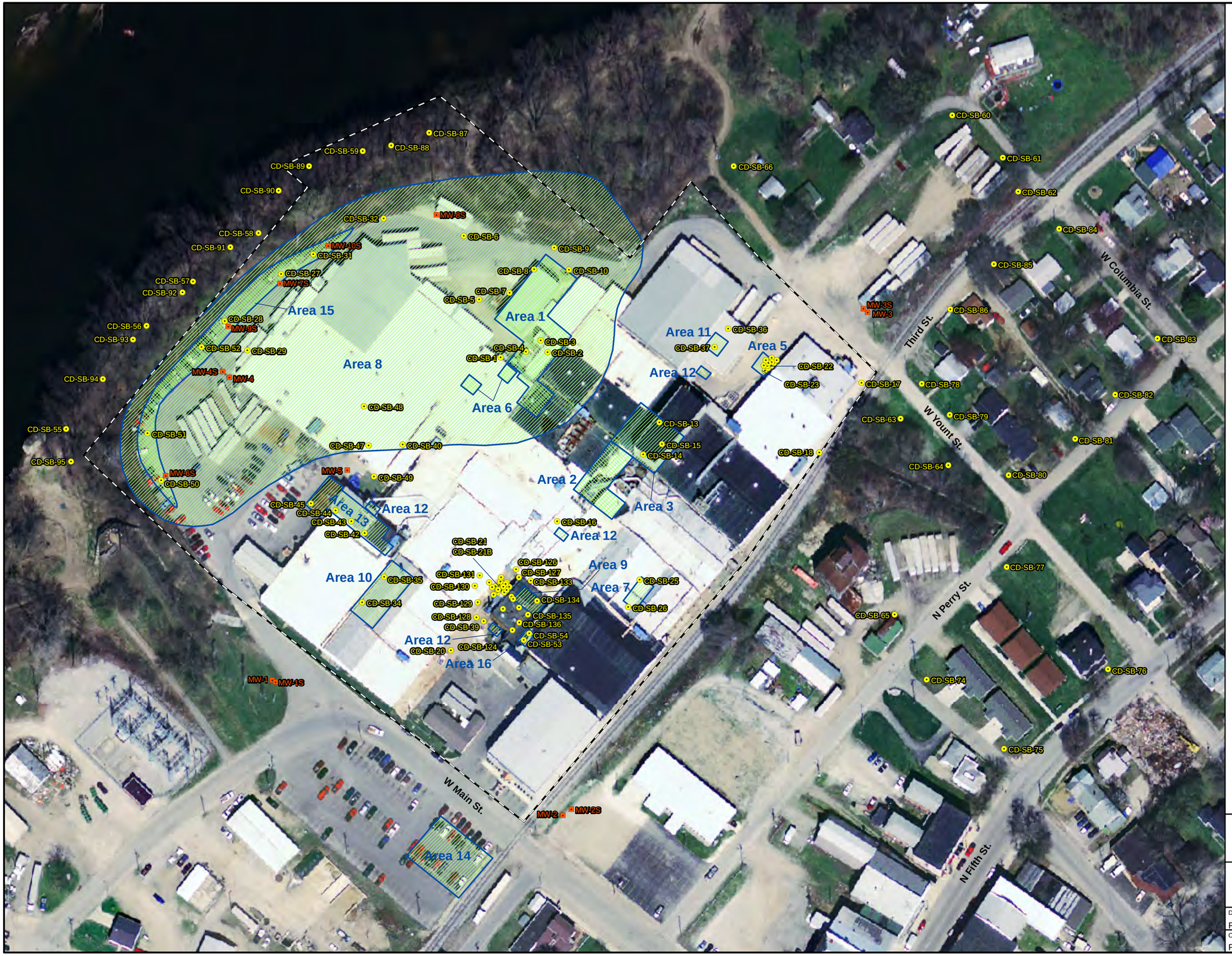

Legend

- Monitoring Well
- Soil Boring
- Property Boundary (approximate)
- SWMU/AOC Boundary

SWMU/AOCs

1 - Wastewater pre-treatment plant
2 - Current/former acid lofts
3 - Lead oxide storage silos
4 - Storm water sewers (not shown)
5 - Exterior former hazardous material storage area
6 - Exterior former drum storage area and transfer pad
7 - Poly-mixing room
8 - Historical drive-up disposal area
9 - Historical former waste and dust storage room
10 - Southwest historical former container storage area
11 - Northeastern historical former container storage area
12 - Central vacuum systems
13 - Former oxide mill area
14 - Former onsite filling station
15 - West container storage area
16 - Former DC Generators Location

N

0 50 100 Feet

URS
Franklin, Tennessee

Figure 1-1
SWMU/AOCs, Monitoring Wells and Soil Sample Locations

C & D Technologies, Inc.
200 West Main Street
Attica, Indiana

Drawn By:	Projection:
RL	UTM, Zone 16N, NAD83, Meters
Checked By:	Source(s):
PR	Indiana Spatial Data Portal - 2005 aerial

US EPA ARCHIVE DOCUMENT

CD-SB-126
0-1ft = 1.3J/9.6
4-5ft = ND/1J

CD-SB-131
1-2ft = 2J/12
2-3ft = ND/4.2J
4-5ft = ND/0.6J

CD-SB-109
0-1ft = ND/20
2-3ft = 44J/670J

CD-SB-108
0-1ft = ND/310
2-3ft = ND/3.4J

CD-SB-127
0-1ft = 360 /100J
4-5ft = 2.3J/3J

CD-SB-111
0-1ft = 160J/15000
2-3ft = ND/27000
4-5ft = ND/1.4J
9-10ft = ND/7.1

CD-SB-111-DUP
0-1ft = 200J/20000

CD-SB-133
1-2ft = ND/ND
2-3ft = ND/ND
4-5ft = ND/ND

CD-SB-125
0-1ft = 210J/13000
4-5ft = ND/0.32J

CD-SB-21
0-1ft = 130J/6000
4-5ft = ND/3.6J
9-10ft = ND/ND

CD-SB-105
0-1ft = 7300 /28000
2-3ft = 270 /1100

CD-SB-116
1-2ft = 1200J/17000J
2-3ft = ND/240
4-5ft = 59J/910

CD-SB-130
1-2ft = 6.2J/ND
2-3ft = 12J/3.3J
4-5ft = 1.3J/0.84J

CD-SB-21B
0-1ft = 250J/31000

CD-SB-110
0-1ft = 110J/14000
2-3ft = 34J/3900

CD-SB-107
0-1ft = 39J/990
2-3ft = 26J/570

CD-SB-117
1-2ft = 3700 /2600
2-3ft = 2300 /2500
4-5ft = 3.8J/5

CD-SB-115
1-2ft = 7100 /12000
2-3ft = 3J/21
4-5ft = 210J/240

CD-SB-112
not sampled

CD-SB-113
1-2ft = 210 /1300

CD-SB-113B
1-2ft = ND/29000
2-3ft = ND/3100
4-5ft = ND/1200

CD-SB-118
1-2ft = 23000 /1700
2-3ft = 4500 /490
4-5ft = 730 /300

CD-SB-106
0-1ft = 13J/1700
2-3ft = 94J/2800

CD-SB-119
1-2ft = 3700 /100J
2-3ft = 1700 /46J
4-5ft = 4 /3.5J

CD-SB-120
0-1ft = 4J/1.9J
4-5ft = 7.7 /9.4

CD-SB-114
0.5-1.0ft = ND/14000
2-3ft = ND/1.8J
4-5ft = ND/1900
9-10ft = ND/0.6J

CD-SB-121
0-1ft = 1200 /3100
4-5ft = 1700 /10000
9-10ft = 2.1J/18

CD-SB-134
1-2ft = 45J/420
2-3ft = 3.5J/20
4-5ft = ND/1.3J

CD-SB-129
1-2ft = ND/0.86J
4-5ft = ND/ND
9-10ft = ND/ND

CD-SB-122
0-1ft = 2600 /25000
4-5ft = 31 /180

CD-SB-122-DUP
0-1ft = 2500 /8200

CD-SB-123
0-1ft = 28 /3.3J
4-5ft = 4.8J/2.8J
9ft = 46J/ND

CD-SB-135
1-2ft = 6.7J/3.1J
2-3ft = 4.5J/1.9J
4-5ft = 1.7J/1J

CD-SB-128
0-1ft = ND/ND
3-4ft = ND/ND

CD-SB-128-DUP
0-1ft = ND/ND

CD-SB-39
0-1ft = ND/ND
4-5ft = ND/ND
9-10ft = ND/ND

CD-SB-136
1-2ft = 3.7J/1.2J
2-3ft = 5.2 /1.2J
4-5ft = 1.8J/0.45J

CD-SB-124
0-1ft = 1.1J/ND
2-3ft = ND/ND

Legend

3.7/0.1 = PCE/TCE (ug/kg)

- Soil Sample Location
- Abandoned Railroad
- Outside Equipment
- Building/Wall

Note(s):
1.) Sample locations are approximate.
2.) ND = not detected
3.) Map does not show all utilities within the area depicted.
4.) Red text denotes PCE value > 16000 ppb or TCE value > 24000 ppb (IDEM Human Health Screening Levels).

N

1" = 8'

0 4 8 Feet

URS
Franklin, Tennessee

Figure 2-1
Area 9 PCE and TCE Results and Soil Boring Locations

C & D Technologies, Inc.
200 West Main Street
Attica, Indiana

Drawn By:	Projection:
RL	UTM, Zone 16N, NAD83, Meters
Checked By:	Source(s):
JW	URS Corporation

US EPA ARCHIVE DOCUMENT

Legend

- Monitoring Well
- Soil Boring
- Groundwater Elevation Contour
- Property Boundary (approximate)
- Apparent Groundwater Flow Direction

**Contour Interval = 0.05 feet
Contoured from 490.10' to 490.45'.

N

0 50 100 Feet

URS
Franklin, Tennessee

Figure 3-1
Groundwater Potentiometric Surface
Shallow Wells
December 16, 2008

C & D Technologies, Inc.
200 West Main Street
Attica, Indiana

Drawn By:	Projection:
RL	UTM, Zone 16N, NAD83, Meters
Checked By:	Source(s):
PR	Indiana Spatial Data Portal - 2005 aerial

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ATTACHMENT 1
Analytical Data

US EPA ARCHIVE DOCUMENT

Table 1
C&D Technologies
Attica, IN
Organics Groundwater Data
December 17,18, 2008

SAMPLE ID		1,1,1,2-Tetrachloroethane		1,1,1-Trichloroethane		1,1,2,2-Tetrachloroethane		1,1,2-Trichloroethane		1,1-Dichloroethane	
CD-MW-1	12/18/2008	1	U	1	U	1	U	1	U	1	U
CD-MW-1S	12/18/2008	1	U	1	U	1	U	1	U	1	U
CD-MW-1S-DUP	12/18/2008	1	U	1	U	1	U	1	U	1	U
CD-MW-2	12/18/2008	1	U	1	U	1	U	1	U	1	U
CD-MW-2-DUP	12/18/2008	1	U	1	U	1	U	1	U	1	U
CD-MW-2S	12/18/2008	1	U	1	U	1	U	1	U	1	U
CD-MW-3	12/17/2008	1	U	1	U	1	U	1	U	1	U
CD-MW-4	12/18/2008	1	U	1	U	1	U	1	U	1	U
CD-MW-4S	12/18/2008	1	U	1	U	1	U	1	U	1	U
CD-MW-5	12/18/2008	1	U	1	U	1	U	1	U	1	U
CD-MW-6S	12/18/2008	1	U	1	U	1	U	1	U	1	U
CD-MW-7S	12/18/2008	1	U	1	U	1	U	1	U	1	U
CD-MW-8S	12/17/2008	1	U	1	U	1	U	1	U	1	U
CD-MW-9S	12/17/2008	1	U	1	U	1	U	1	U	1	U
CD-MW-10S	12/17/2008	1	U	1	U	1	U	1	U	1	U

SAMPLE ID		1,2-Dibromo-3-chloropropane		1,2,3-Trichloropropane		1,2-Dibromoethane (EDB)		1,2-Dichlorobenzene		1,1-Dichloroethene	
CD-MW-1	12/18/2008	2	U	1	U	1	U	1	U	1	U
CD-MW-1S	12/18/2008	2	U	1	U	1	U	1	U	1	U
CD-MW-1S-DUP	12/18/2008	2	U	1	U	1	U	1	U	1	U
CD-MW-2	12/18/2008	2	U	1	U	1	U	1	U	1	U
CD-MW-2-DUP	12/18/2008	2	U	1	U	1	U	1	U	1	U
CD-MW-2S	12/18/2008	2	U	1	U	1	U	1	U	1	U
CD-MW-3	12/17/2008	2	U	1	U	1	U	1	U	1	U
CD-MW-4	12/18/2008	2	U	1	U	1	U	1	U	1	U
CD-MW-4S	12/18/2008	2	U	1	U	1	U	1	U	1	U
CD-MW-5	12/18/2008	2	U	1	U	1	U	1	U	1	U
CD-MW-6S	12/18/2008	2	U	1	U	1	U	1	U	1	U
CD-MW-7S	12/18/2008	2	U	1	U	1	U	1	U	1	U
CD-MW-8S	12/17/2008	2	U	1	U	1	U	1	U	1	U
CD-MW-9S	12/17/2008	2	U	1	U	1	U	1	U	1	U
CD-MW-10S	12/17/2008	2	U	1	U	1	U	1	U	1	U

Notes:

J = Compound detected below the quantitation limit, but above the MDL.

UJ = Analyte is considered not detected for QA/validation reason.

U = Not Detected.

All results reported in micrograms per liter (ug/L).

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Table 1 cont.
C&D Technologies
Attica, IN
Organics Groundwater Data
December 17,18, 2008

SAMPLE ID		1,2-Dichloroethane		1,2-Dichloropropane		1,3-Dichlorobenzene		1,4-Dichlorobenzene		1,4-Dioxane		2-Butanone (MEK)	
CD-MW-1	12/18/2008	1	U	1	U	1	U	1	U	200	U	10	U
CD-MW-1S	12/18/2008	1	U	1	U	1	U	1	U	200	U	10	U
CD-MW-1S-DUP	12/18/2008	1	U	1	U	1	U	1	U	200	U	10	U
CD-MW-2	12/18/2008	1	U	1	U	1	U	1	U	200	U	10	U
CD-MW-2-DUP	12/18/2008	1	U	1	U	1	U	1	U	200	U	10	U
CD-MW-2S	12/18/2008	1	U	1	U	1	U	1	U	200	U	10	U
CD-MW-3	12/17/2008	1	U	1	U	1	U	1	U	200	U	10	U
CD-MW-4	12/18/2008	1	U	1	U	1	U	1	U	200	U	10	U
CD-MW-4S	12/18/2008	1	U	1	U	1	U	1	U	200	U	10	U
CD-MW-5	12/18/2008	1	U	1	U	1	U	1	U	200	U	10	U
CD-MW-6S	12/18/2008	1	U	1	U	1	U	1	U	200	U	10	U
CD-MW-7S	12/18/2008	1	U	1	U	1	U	1	U	200	U	10	U
CD-MW-8S	12/17/2008	1	U	1	U	1	U	1	U	200	U	10	U
CD-MW-9S	12/17/2008	1	U	1	U	1	U	1	U	200	U	10	U
CD-MW-10S	12/17/2008	1	U	1	U	1	U	1	U	200	U	10	U

SAMPLE ID		Chlorobenzene		Chloroethane		Chloroform		Chloromethane		Acetone		2-Hexanone	
CD-MW-1	12/18/2008	1	U	1	U	1	U	1	U	10	U	10	U
CD-MW-1S	12/18/2008	1	U	1	U	1	U	1	U	10	U	10	U
CD-MW-1S-DUP	12/18/2008	1	U	1	U	1	U	1	U	10	U	10	U
CD-MW-2	12/18/2008	1	U	1	U	0.17	J	1	U	10	U	10	U
CD-MW-2-DUP	12/18/2008	1	U	1	U	0.17	J	1	U	10	U	10	U
CD-MW-2S	12/18/2008	1	U	1	U	1	U	1	U	10	U	10	U
CD-MW-3	12/17/2008	1	U	1	U	1	U	1	U	10	U	10	U
CD-MW-4	12/18/2008	1	U	1	U	1	U	1	U	10	U	10	U
CD-MW-4S	12/18/2008	1	U	1	U	1	U	1	U	10	U	10	U
CD-MW-5	12/18/2008	1	U	1	U	1	U	1	U	10	U	10	U
CD-MW-6S	12/18/2008	1	U	1	U	1	U	1	U	10	U	10	U
CD-MW-7S	12/18/2008	1	U	1	U	1	U	1	U	10	U	10	U
CD-MW-8S	12/17/2008	1	U	1	U	1	U	1	U	10	U	10	U
CD-MW-9S	12/17/2008	1	U	1	U	1	U	1	U	10	U	10	U
CD-MW-10S	12/17/2008	1	U	1	U	1	U	1	U	10	U	10	U

Notes:

J = Compound detected below the quantitation limit, but above the MDL.

UJ = Analyte is considered not detected for QA/validation reason.

U = Not Detected.

All results reported in micrograms per liter (ug/L).

US EPA ARCHIVE DOCUMENT

Table 1 cont.
C&D Technologies
Attica, IN
Organics Groundwater Data
December 17,18, 2008

SAMPLE ID		4-Methyl-2-pentanone (MIBK)		Acetonitrile		Acrolein		Acrylonitrile		Allyl chloride		Bromodichloromethane	
CD-MW-1	12/18/2008	10	U	20	U	20	U	20	U	2	U	1	U
CD-MW-1S	12/18/2008	10	U	20	U	20	U	20	U	2	U	1	U
CD-MW-1S-DUP	12/18/2008	10	U	20	U	20	U	20	U	2	U	1	U
CD-MW-2	12/18/2008	10	U	20	U	20	U	20	U	2	U	1	U
CD-MW-2-DUP	12/18/2008	10	U	20	U	20	U	20	U	2	U	1	U
CD-MW-2S	12/18/2008	10	U	20	U	20	U	20	U	2	U	1	U
CD-MW-3	12/17/2008	10	U	20	U	20	U	20	U	2	U	1	U
CD-MW-4	12/18/2008	10	U	20	U	20	U	20	U	2	U	1	U
CD-MW-4S	12/18/2008	10	U	20	U	20	U	20	U	2	U	1	U
CD-MW-5	12/18/2008	10	U	20	U	20	U	20	U	2	U	1	U
CD-MW-6S	12/18/2008	10	U	20	U	20	U	20	U	2	U	1	U
CD-MW-7S	12/18/2008	10	U	20	U	20	U	20	U	2	U	1	U
CD-MW-8S	12/17/2008	10	U	20	U	20	U	20	U	2	U	1	U
CD-MW-9S	12/17/2008	10	U	20	U	20	U	20	U	2	U	1	U
CD-MW-10S	12/17/2008	10	U	20	U	20	U	20	U	2	U	1	U

SAMPLE ID		Dibromochloromethane		Bromoform		Benzene		Bromomethane		Carbon disulfide		Carbon tetrachloride	
CD-MW-1	12/18/2008	1	U	1	U	1	U	1	U	1	U	1	U
CD-MW-1S	12/18/2008	1	U	1	U	1	U	1	U	1	U	1	U
CD-MW-1S-DUP	12/18/2008	1	U	1	U	1	U	1	U	1	U	1	U
CD-MW-2	12/18/2008	1	U	1	U	1	U	1	U	1	U	1	U
CD-MW-2-DUP	12/18/2008	1	U	1	U	1	U	1	U	1	U	1	U
CD-MW-2S	12/18/2008	1	U	1	U	1	U	1	U	1	U	0.27	J
CD-MW-3	12/17/2008	1	U	1	U	1	U	1	U	1	U	1	U
CD-MW-4	12/18/2008	1	U	1	U	1	U	1	U	1	U	1	U
CD-MW-4S	12/18/2008	1	U	1	U	1	U	1	U	1	U	1	U
CD-MW-5	12/18/2008	1	U	1	U	1	U	1	U	1	U	1	U
CD-MW-6S	12/18/2008	1	U	1	U	1	U	1	U	1	U	1	U
CD-MW-7S	12/18/2008	1	U	1	U	1	U	1	U	1	U	1	U
CD-MW-8S	12/17/2008	1	U	1	U	1	U	1	U	1	U	1	U
CD-MW-9S	12/17/2008	1	U	1	U	1	U	1	U	1	U	1	U
CD-MW-10S	12/17/2008	1	U	1	U	1	U	1	U	1	U	1	U

Notes:

J = Compound detected below the quantitation limit, but above the MDL.

UJ = Analyte is considered not detected for QA/validation reason.

U = Not Detected.

All results reported in micrograms per liter (ug/L).

US EPA ARCHIVE DOCUMENT

Table 1 cont.
C&D Technologies
Attica, IN
Organics Groundwater Data
December 17,18, 2008

SAMPLE ID		Chloroprene		cis-1,2-Dichloroethene		Dibromomethane		Dichlorodifluoromethane		Ethyl methacrylate	
CD-MW-1	12/18/2008	2	U	0.26	J	1	U	1	U	1	U
CD-MW-1S	12/18/2008	2	U	1	U	1	U	1	U	1	U
CD-MW-1S-DUP	12/18/2008	2	U	1	U	1	U	1	U	1	U
CD-MW-2	12/18/2008	2	U	2.7		1	U	1	U	1	U
CD-MW-2-DUP	12/18/2008	2	U	2.6		1	U	1	U	1	U
CD-MW-2S	12/18/2008	2	U	1	U	1	U	1	U	1	U
CD-MW-3	12/17/2008	2	U	1	U	1	U	1	U	1	U
CD-MW-4	12/18/2008	2	U	1	U	1	U	1	UJ	1	U
CD-MW-4S	12/18/2008	2	U	1	U	1	U	1	U	1	U
CD-MW-5	12/18/2008	2	U	1	U	1	U	1	U	1	U
CD-MW-6S	12/18/2008	2	U	1	U	1	U	1	U	1	U
CD-MW-7S	12/18/2008	2	U	1	U	1	U	1	U	1	U
CD-MW-8S	12/17/2008	2	U	1	U	1	U	1	U	1	U
CD-MW-9S	12/17/2008	2	U	1	U	1	U	1	U	1	U
CD-MW-10S	12/17/2008	2	U	0.26	J	1	U	1	U	1	U

SAMPLE ID		Iodomethane		cis-1,3-Dichloropropene		Isobutyl alcohol		Methacrylonitrile		Methyl methacrylate	
CD-MW-1	12/18/2008	1	U	1	U	50	U	2	U	2	U
CD-MW-1S	12/18/2008	1	U	1	U	50	U	2	U	2	U
CD-MW-1S-DUP	12/18/2008	1	U	1	U	50	U	2	U	2	U
CD-MW-2	12/18/2008	1	U	1	U	50	U	2	U	2	U
CD-MW-2-DUP	12/18/2008	1	U	1	U	50	U	2	U	2	U
CD-MW-2S	12/18/2008	1	U	1	U	50	U	2	U	2	U
CD-MW-3	12/17/2008	1	U	1	U	50	U	2	U	2	U
CD-MW-4	12/18/2008	1	U	1	UJ	50	U	2	U	2	U
CD-MW-4S	12/18/2008	1	U	1	U	50	U	2	U	2	U
CD-MW-5	12/18/2008	1	U	1	U	50	U	2	U	2	U
CD-MW-6S	12/18/2008	1	U	1	U	50	U	2	U	2	U
CD-MW-7S	12/18/2008	1	U	1	U	50	U	2	U	2	U
CD-MW-8S	12/17/2008	1	U	1	U	50	U	2	U	2	U
CD-MW-9S	12/17/2008	1	U	1	U	50	U	2	U	2	U
CD-MW-10S	12/17/2008	1	U	1	U	50	U	2	U	2	U

Notes:

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UJ = Analyte is considered not detected for QA/validation reason.

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All results reported in micrograms per liter (ug/L).

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Table 1 cont.
C&D Technologies
Attica, IN
Organics Groundwater Data
December 17,18, 2008

SAMPLE ID		Ethylbenzene		Methylene chloride		Styrene		Tetrachloroethene		trans-1,2-Dichloroethene	
CD-MW-1	12/18/2008	1	U	1	U	1	U	1	U	1	U
CD-MW-1S	12/18/2008	1	U	1	U	1	U	1	U	1	U
CD-MW-1S-DUP	12/18/2008	1	U	1	U	1	U	1	U	1	U
CD-MW-2	12/18/2008	1	U	1	U	1	U	1	U	1	U
CD-MW-2-DUP	12/18/2008	1	U	1	U	1	U	1	U	1	U
CD-MW-2S	12/18/2008	1	U	1	U	1	U	1	U	1	U
CD-MW-3	12/17/2008	1	U	1	U	1	U	1	U	1	U
CD-MW-4	12/18/2008	1	U	1	U	1	U	1	U	1	U
CD-MW-4S	12/18/2008	1	U	1	U	1	U	1	U	1	U
CD-MW-5	12/18/2008	1	U	1	U	1	U	1	U	1	U
CD-MW-6S	12/18/2008	1	U	1	U	1	U	1	U	1	U
CD-MW-7S	12/18/2008	1	U	1	U	1	U	1	U	1	U
CD-MW-8S	12/17/2008	1	U	1	U	1	U	1	U	1	U
CD-MW-9S	12/17/2008	1	U	1	U	1	U	1	U	1	U
CD-MW-10S	12/17/2008	1	U	1	U	1	U	1	U	1	U

SAMPLE ID		Propionitrile		Xylenes (total)		Toluene		Trichloroethene		trans-1,3-Dichloropropene	
CD-MW-1	12/18/2008	4	U	2	U	1	U	6.7		1	U
CD-MW-1S	12/18/2008	4	U	2	U	1	U	2.4		1	U
CD-MW-1S-DUP	12/18/2008	4	U	2	U	1	U	2.4		1	U
CD-MW-2	12/18/2008	4	U	2	U	1	U	18		1	U
CD-MW-2-DUP	12/18/2008	4	U	2	U	1	U	18		1	U
CD-MW-2S	12/18/2008	4	U	2	U	1	U	1.6		1	U
CD-MW-3	12/17/2008	4	U	2	U	1	U	3.3		1	U
CD-MW-4	12/18/2008	4	U	2	U	1	U	1	U	1	U
CD-MW-4S	12/18/2008	4	U	2	U	1	U	1	U	1	U
CD-MW-5	12/18/2008	4	U	2	U	1	U	1	U	1	U
CD-MW-6S	12/18/2008	4	U	2	U	1	U	1	U	1	U
CD-MW-7S	12/18/2008	4	U	2	U	1	U	1	U	1	U
CD-MW-8S	12/17/2008	4	U	2	U	1	U	1	U	1	U
CD-MW-9S	12/17/2008	4	U	2	U	1	U	1	U	1	U
CD-MW-10S	12/17/2008	4	U	2	U	1	U	1	U	1	U

Notes:

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UJ = Analyte is considered not detected for QA/validation reason.

U = Not Detected.

All results reported in micrograms per liter (ug/L).

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Table 1 cont.
C&D Technologies
Attica, IN
Organics Groundwater Data
December 17,18, 2008

SAMPLE ID		trans-1,4-Dichloro-2-butene		Trichlorofluoromethane		Vinyl acetate		Vinyl chloride	
CD-MW-1	12/18/2008	1	U	1	U	2	U	1	U
CD-MW-1S	12/18/2008	1	U	1	U	2	U	1	U
CD-MW-1S-DUP	12/18/2008	1	U	1	U	2	U	1	U
CD-MW-2	12/18/2008	1	U	1	U	2	U	1	U
CD-MW-2-DUP	12/18/2008	1	U	1	U	2	U	1	U
CD-MW-2S	12/18/2008	1	U	1	U	2	U	1	U
CD-MW-3	12/17/2008	1	U	1	U	2	U	1	U
CD-MW-4	12/18/2008	1	U	1	U	2	U	1	UJ
CD-MW-4S	12/18/2008	1	U	1	U	2	U	1	U
CD-MW-5	12/18/2008	1	U	1	U	2	U	1	U
CD-MW-6S	12/18/2008	1	U	1	U	2	U	1	U
CD-MW-7S	12/18/2008	1	U	1	U	2	U	1	U
CD-MW-8S	12/17/2008	1	U	1	U	2	U	1	U
CD-MW-9S	12/17/2008	1	U	1	U	2	U	1	U
CD-MW-10S	12/17/2008	1	U	1	U	2	U	1	U

Notes:

J = Compound detected below the quantitation limit, but above the MDL.

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All results reported in micrograms per liter (ug/L).

US EPA ARCHIVE DOCUMENT

Table 2
C&D Technologies
Attica, IN
Inorganics Groundwater Data
December 17,18, 2008

SAMPLE ID		Antimony		Arsenic		Barium		Beryllium		Cadmium		Chromium		Cobalt		Copper		Copper, Dissolved		Tin	
CD-MW-1	12/18/2008	2	U	0.78	B	79.6	B J	1	U	0.2	U	2.8	B	0.49	B	2	UJ	2	U	10	U
CD-MW-10S	12/17/2008	0.2	B	0.73	B	128	B J	1	U	0.2	U	1.2	B	0.93	B	2	UJ	2	UJ	10	U
CD-MW-1S	12/18/2008	2	U	1.4		77.4	B J	1	U	0.2	U	2.8	B	0.85	B	2.2	J	2	UJ	10	U
CD-MW-1S-DUP	12/18/2008	2	U	1.4		87.8	B J	1	U	0.2	U	3	B	0.9	B	2.4	J	2	UJ	10	U
CD-MW-2	12/18/2008	2	U	2		88.9	B J	1	U	0.2	U	7.3	B	1.2		3.6	J	2	U	10	U
CD-MW-2-DUP	12/18/2008	2	U	2.1		89.4	B J	1	U	0.2	U	8.3	B	1.3		3.5	J	2	U	10	U
CD-MW-2S	12/18/2008	1.1	B	23.6		233	J	1		0.51		88.5		20.3		55.8	J	2	U	2.2	B
CD-MW-3	12/17/2008	0.14	B	0.86	B	91	B J	1	U	0.2	U	1.1	B	4.7		2	UJ	2	U	0.38	B
CD-MW-4	12/18/2008	2	U	1.1		71.9	B J	1	U	0.2	U	3.2	B	0.85	B	2.5	J	2	U	10	U
CD-MW-4S	12/18/2008	0.22	B	2.7		85.4	B J	1	U	0.2	U	1.2	B	0.84	B	3.1	J	2	UJ	0.34	B
CD-MW-5	12/18/2008	2	U	4		92.9	B J	1	U	0.33		1.1	B	0.99	B	2	UJ	2	U	10	U
CD-MW-6S	12/18/2008	0.24	B	4		81.4	B J	1	U	0.2	U	3.1	B	1.6		9.4	J	2	UJ	0.34	B
CD-MW-7S	12/18/2008	0.26	B	1.3		75.6	B J	1	U	0.2	U	1.7	B	0.65	B	2.8	J	2	UJ	0.51	B
CD-MW-8S	12/17/2008	0.51	B	0.63	B	48.4	B J	1	U	0.2	U	10	U	0.16	B	2	UJ	2	UJ	10	U
CD-MW-9S	12/17/2008	2	U	1.9		70.5	B J	1	U	0.2	U	2.5	B	1.9		3.3	J	2	UJ	10	U

SAMPLE ID		Selenium		Silver		Thallium		Mercury		Vanadium		Zinc		Nickel		Lead		Lead, Dissolved	
CD-MW-1	12/18/2008	5	U	0.2	U	1	U	0.2	U	1.2	B	20	UJ	1.2	B	0.61	B	1	U
CD-MW-10S	12/17/2008	5	U	0.2	U	1	U	0.2	U	1.3	B	20	UJ	4.9		0.81	B	1	U
CD-MW-1S	12/18/2008	5	U	0.2	U	1	U	0.2	U	2.3	B	20	UJ	2.1		1.5		1	U
CD-MW-1S-DUP	12/18/2008	5	U	0.2	U	1	U	0.2	U	2.5	B	20	UJ	2.1		1.7		1	U
CD-MW-2	12/18/2008	5	U	0.2	U	1	U	0.2	U	2.6	B	20	UJ	2.9		1.2		1	U
CD-MW-2-DUP	12/18/2008	5	U	0.2	U	1	U	0.2	U	2.9	B	20	UJ	3.2		1.3		1	U
CD-MW-2S	12/18/2008	3.7	B	0.2	U	0.72	B	0.2	U	54.8		164	J	53.1		42.6		1	U
CD-MW-3	12/17/2008	5	U	0.2	U	1	U	0.2	U	0.98	B	20	UJ	1.9	B	0.57	B	1	U
CD-MW-4	12/18/2008	5	U	0.2	U	1	U	0.2	U	3.4	B	20	UJ	2.2		1.5		1	U
CD-MW-4S	12/18/2008	5	U	0.2	U	0.15	B	0.2	U	1.8	B	20	UJ	2.6		1.3		1	U
CD-MW-5	12/18/2008	5	U	0.2	U	1	U	0.2	U	2	B	20	UJ	1.9	B	1.5		1	U
CD-MW-6S	12/18/2008	5	U	0.2	U	1	U	0.2	U	4.7	B	20	UJ	4.9		4.7		1	U
CD-MW-7S	12/18/2008	5	U	0.2	U	1	U	0.2	U	2	B	20	UJ	2.4		2.8		1	U
CD-MW-8S	12/17/2008	5	U	0.2	U	1	U	0.2	U	0.83	B	20	UJ	1.8	B	0.59	B	1	U
CD-MW-9S	12/17/2008	5	U	0.2	U	1	U	0.2	U	2.2	B	20	UJ	2.5		3		1	U

Notes:

All results reported in micrograms per liter (ug/L).

J = Compound detected in method blank, but detection > 5x method blank.

B = Analyte was detected below the quantitation limit, but above the MDL.

B J = Analyte was detected below the quantitation limit and in the method blank, but detection was > 5x method blank.

UJ = Analyte is considered not detected for QA/validation reason.

U = Not Detected.

Table 3
C&D Technologies
Attica, IN
Area 9 Volatile Organic Soil Data

SAMPLE ID		1,1,1,2-Tetrachloroethane		1,1,1-Trichloroethane		1,1,2,2-Tetrachloroethane		1,1,2-Trichloroethane		1,1-Dichloroethane	
CD-SB-21 (0-1)	12/13/2007	190	U	190	U	190	U	190	U	190	U
CD-SB-21 (4-5)	12/13/2007	3.9	U	3.9	U	3.9	U	3.9	U	3.9	U
CD-SB-21 (9-10)	12/13/2007	4.5	U	4.5	U	4.5	U	4.5	U	4.5	U
CD-SB-21B (0-1)	6/4/2008	950	U	950	U	950	U	950	U	950	U
CD-SB-105 (0-1)	12/16/2008	730	U	730	U	730	U	730	U	730	U
CD-SB-105 (2-3)	12/16/2008	210	U	210	U	210	U	210	U	210	U
CD-SB-106 (0-1)	12/16/2008	230	U	230	U	230	U	230	U	230	U
CD-SB-106 (2-3)	12/16/2008	230	U	230	U	230	U	230	U	230	U
CD-SB-107 (0-1)	12/16/2008	250	U	250	U	250	U	250	U	250	U
CD-SB-107 (2-3)	12/16/2008	230	U	230	U	230	U	230	U	230	U
CD-SB-108 (0-1)	12/16/2008	220	U	220	U	220	U	220	U	220	U
CD-SB-108 (0-1) DUP	12/16/2008	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
CD-SB-108 (2-3)	12/16/2008	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U
CD-SB-109 (0-1)	12/16/2008	4.9	U	4.9	U	4.9	U	4.9	U	4.9	U
CD-SB-109 (2-3)	12/16/2008	250	U	250	U	250	U	250	U	250	U
CD-SB-110 (0-1)	12/16/2008	590	U	590	U	590	U	590	U	590	U
CD-SB-110 (2-3)	12/16/2008	230	U	230	U	230	U	230	U	230	U
CD-SB-111 (0-1)	12/16/2008	700	U	700	U	700	U	700	U	700	U
CD-SB-111 (0-1) DUP	12/16/2008	820	U	820	U	820	U	820	U	820	U
CD-SB-111 (2-3)	12/16/2008	1500	U	1500	U	1500	U	1500	U	1500	U
CD-SB-111 (4-5)	1/12/2009	4.1	U	4.1	U	4.1	U	4.1	U	4.1	U
CD-SB-111 (9-10)	1/12/2009	4.8	U	4.8	U	4.8	U	4.8	U	4.8	U
CD-SB-113 (1-2)	1/12/2009	210	U	210	U	210	U	210	U	210	U
CD-SB-113B (1-2)	1/12/2009	2600	U	2600	U	2600	U	2600	U	2600	U
CD-SB-113B (2-3)	1/12/2009	400	U	400	U	400	U	400	U	400	U
CD-SB-113B (4-5)	1/12/2009	210	U	210	U	210	U	210	U	210	U
CD-SB-114 (0.5-1.0)	1/12/2009	770	U	770	U	770	U	770	U	770	U
CD-SB-114 (2-3)	1/12/2009	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
CD-SB-114 (4-5)	1/12/2009	230	U	230	U	230	U	230	U	230	U
CD-SB-114 (9-10)	4/8/2009	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
CD-SB-115 (1-2)	1/12/2009	780	U	780	U	780	U	780	U	780	U
CD-SB-115 (2-3)	1/12/2009	4.7	U	4.7	U	4.7	U	4.7	U	4.7	U
CD-SB-115 (4-5)	1/12/2009	220	U	220	U	220	U	220	U	220	U
CD-SB-116 (1-2)	1/12/2009	780	U	780	U	780	U	780	U	780	U
CD-SB-116 (2-3)	1/12/2009	190	U	190	U	190	U	190	U	190	U
CD-SB-116 (4-5)	1/12/2009	210	U	210	U	210	U	210	U	210	U
CD-SB-117 (1-2)	1/12/2009	270	U	270	U	270	U	270	U	270	U
CD-SB-117 (2-3)	1/12/2009	280	U	280	U	280	U	280	U	280	U
CD-SB-117 (4-5)	1/12/2009	4.7	U	4.7	U	4.7	U	4.7	U	4.7	U
CD-SB-118 (1-2)	1/12/2009	1200	U	1200	U	1200	U	1200	U	1200	U
CD-SB-118 (2-3)	1/12/2009	240	U	240	U	240	U	240	U	240	U
CD-SB-118 (4-5)	1/12/2009	200	U	200	U	200	U	200	U	200	U
CD-SB-119 (1-2)	1/12/2009	230	U	50	J	230	U	230	U	230	U
CD-SB-119 (2-3)	1/12/2009	210	U	210	U	210	U	210	U	210	U

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SAMPLE ID		1,1,1,2-Tetrachloroethane		1,1,1-Trichloroethane		1,1,2,2-Tetrachloroethane		1,1,2-Trichloroethane		1,1-Dichloroethane	
CD-SB-119 (4-5)	1/12/2009	4	U	4	U	4	U	4	U	4	U
CD-SB-120 (0-1)	2/19/2009	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U
CD-SB-120 (4-5)	2/19/2009	4.2	U	0.77	J	4.2	U	4.2	U	4.2	U
CD-SB-121 (0-1)	2/19/2009	430	U	160	J	430	U	430	U	430	U
CD-SB-121 (4-5)	2/19/2009	290	U	850		290	U	290	U	290	U
CD-SB-121 (9-10)	4/8/2009	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
CD-SB-122 (0-1)	2/19/2009	1100	U	810	J	1100	U	1100	U	1100	U
CD-SB-122 (0-1) DUP	2/19/2009	360	U	510		360	U	360	U	360	U
CD-SB-122 (4-5)	2/19/2009	5.1	U	8.2		5.1	U	5.1	U	5.1	U
CD-SB-123 (0-1)	2/19/2009	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
CD-SB-123 (4-5)	2/19/2009	4.8	U	3.9	J	4.8	U	4.8	U	4.8	U
CD-SB-123 (9)	2/19/2009	220	U	220	U	220	U	220	U	220	U
CD-SB-124 (0-1)	2/19/2009	7.3	U	7.3	U	7.3	U	7.3	U	7.3	U
CD-SB-124 (2-3)	2/19/2009	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
CD-SB-125 (0-1)	2/19/2009	370	U	370	U	370	U	370	U	370	U
CD-SB-125 (4-5)	2/19/2009	3.8	U	3.8	U	3.8	U	3.8	U	3.8	U
CD-SB-126 (0-1)	2/19/2009	4.3	U	4.3	U	4.3	U	4.3	U	4.3	U
CD-SB-126 (4-5)	2/19/2009	4.7	U	4.7	U	4.7	U	4.7	U	4.7	U
CD-SB-127 (0-1)	2/19/2009	250	U	250	U	250	U	250	U	250	U
CD-SB-127 (4-5)	2/19/2009	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
CD-SB-128 (0-1)	2/19/2009	4.9	U	4.9	U	4.9	U	4.9	U	4.9	U
CD-SB-128 (0-1) DUP	2/19/2009	6	U	6	U	6	U	6	U	6	U
CD-SB-128 (3-4)	2/19/2009	4.7	U	4.7	U	4.7	U	4.7	U	4.7	U
CD-SB-129 (1-2)	4/8/2009	4.7	U	4.7	U	4.7	U	4.7	U	4.7	U
CD-SB-129 (4-5)	4/8/2009	4.6	U	4.6	U	4.6	U	4.6	U	4.6	U
CD-SB-129 (9-10)	4/8/2009	4.9	U	4.9	U	4.9	U	4.9	U	4.9	U
CD-SB-130 (1-2)	4/8/2009	6.7	U	6.7	U	6.7	U	6.7	U	6.7	U
CD-SB-130 (2-3)	4/8/2009	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
CD-SB-130 (4-5)	4/8/2009	4.7	U	4.7	U	4.7	U	4.7	U	4.7	U
CD-SB-131 (1-2)	4/8/2009	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U
CD-SB-131 (2-3)	4/8/2009	4.8	U	4.8	U	4.8	U	4.8	U	4.8	U
CD-SB-131 (4-5)	4/8/2009	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
CD-SB-133 (1-2)	4/8/2009	4.9	U	4.9	U	4.9	U	4.9	U	4.9	U
CD-SB-133 (2-3)	4/8/2009	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
CD-SB-133 (4-5)	4/8/2009	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U
CD-SB-134 (1-2)	4/8/2009	380	U	380	U	380	U	380	U	380	U
CD-SB-134 (2-3)	4/8/2009	7.1	U	7.1	U	7.1	U	7.1	U	7.1	U
CD-SB-134 (4-5)	4/8/2009	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U
CD-SB-135 (1-2)	4/8/2009	8	U	8	U	8	U	8	U	8	U
CD-SB-135 (2-3)	4/8/2009	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
CD-SB-135 (4-5)	4/8/2009	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U
CD-SB-136 (1-2)	4/8/2009	4.7	U	4.7	U	4.7	U	4.7	U	4.7	U
CD-SB-136 (2-3)	4/8/2009	5	U	5	U	5	U	5	U	5	U
CD-SB-136 (4-5)	4/8/2009	4.8	U	4.8	U	4.8	U	4.8	U	4.8	U

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SAMPLE ID		1,1-Dichloroethene		1,2,3-Trichloropropane		1,2-Dibromo-3-chloropropane		1,2-Dibromoethane (EDB)		1,2-Dichloroethane	
CD-SB-21 (0-1)	12/13/2007	190	U	190	U	380	U	190	U	190	U
CD-SB-21 (4-5)	12/13/2007	3.9	U	3.9	U	7.8	U	3.9	U	3.9	U
CD-SB-21 (9-10)	12/13/2007	4.5	U	4.5	U	9	U	4.5	U	4.5	U
CD-SB-21B (0-1)	6/4/2008	950	U	950	U	1900	U	950	U	950	U
CD-SB-105 (0-1)	12/16/2008	730	U	730	U	1500	U	730	U	730	U
CD-SB-105 (2-3)	12/16/2008	210	U	210	U	410	U	210	U	210	U
CD-SB-106 (0-1)	12/16/2008	230	U	230	U	450	U	230	U	230	U
CD-SB-106 (2-3)	12/16/2008	230	U	230	U	470	U	230	U	230	U
CD-SB-107 (0-1)	12/16/2008	250	U	250	U	490	U	250	U	250	U
CD-SB-107 (2-3)	12/16/2008	230	U	230	U	460	U	230	U	230	U
CD-SB-108 (0-1)	12/16/2008	220	U	220	U	440	U	220	U	220	U
CD-SB-108 (0-1) DUP	12/16/2008	4.4	U	4.4	U	8.9	U	4.4	U	4.4	U
CD-SB-108 (2-3)	12/16/2008	5.1	U	5.1	U	10	U	5.1	U	5.1	U
CD-SB-109 (0-1)	12/16/2008	4.9	U	4.9	U	9.8	U	4.9	U	4.9	U
CD-SB-109 (2-3)	12/16/2008	250	U	250	U	500	U	250	U	250	U
CD-SB-110 (0-1)	12/16/2008	590	U	590	U	1200	U	590	U	590	U
CD-SB-110 (2-3)	12/16/2008	230	U	230	U	460	U	230	U	230	U
CD-SB-111 (0-1)	12/16/2008	700	U	700	U	1400	U	700	U	700	U
CD-SB-111 (0-1) DUP	12/16/2008	820	U	820	U	1600	U	820	U	820	U
CD-SB-111 (2-3)	12/16/2008	1500	U	1500	U	3000	U	1500	U	1500	U
CD-SB-111 (4-5)	1/12/2009	4.1	U	4.1	U	8.1	U	4.1	U	4.1	U
CD-SB-111 (9-10)	1/12/2009	4.8	U	4.8	U	9.7	U	4.8	U	4.8	U
CD-SB-113 (1-2)	1/12/2009	210	U	210	U	410	U	210	U	210	U
CD-SB-113B (1-2)	1/12/2009	2600	U	2600	U	5200	U	2600	U	2600	U
CD-SB-113B (2-3)	1/12/2009	400	U	400	U	790	U	400	U	400	U
CD-SB-113B (4-5)	1/12/2009	210	U	210	U	430	U	210	U	210	U
CD-SB-114 (0.5-1.0)	1/12/2009	770	U	770	U	1500	U	770	U	770	U
CD-SB-114 (2-3)	1/12/2009	4.4	U	4.4	U	8.8	U	4.4	U	4.4	U
CD-SB-114 (4-5)	1/12/2009	230	U	230	U	460	U	230	U	230	U
CD-SB-114 (9-10)	4/8/2009	4.4	U	4.4	U	8.8	U	4.4	U	4.4	U
CD-SB-115 (1-2)	1/12/2009	780	U	780	U	1600	U	780	U	780	U
CD-SB-115 (2-3)	1/12/2009	4.7	U	4.7	U	9.3	U	4.7	U	4.7	U
CD-SB-115 (4-5)	1/12/2009	220	U	220	U	440	U	220	U	220	U
CD-SB-116 (1-2)	1/12/2009	780	U	780	U	1600	U	780	U	780	U
CD-SB-116 (2-3)	1/12/2009	190	U	190	U	390	U	190	U	190	U
CD-SB-116 (4-5)	1/12/2009	210	U	210	U	410	U	210	U	210	U
CD-SB-117 (1-2)	1/12/2009	270	U	270	U	540	U	270	U	270	U
CD-SB-117 (2-3)	1/12/2009	280	U	280	U	570	U	280	U	280	U
CD-SB-117 (4-5)	1/12/2009	4.7	U	4.7	U	9.3	U	4.7	U	4.7	U
CD-SB-118 (1-2)	1/12/2009	1200	U	1200	U	2400	U	1200	U	1200	U
CD-SB-118 (2-3)	1/12/2009	240	U	240	U	480	U	240	U	240	U
CD-SB-118 (4-5)	1/12/2009	200	U	200	U	410	U	200	U	200	U
CD-SB-119 (1-2)	1/12/2009	230	U	230	U	470	U	230	U	230	U
CD-SB-119 (2-3)	1/12/2009	210	U	210	U	430	U	210	U	210	U

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SAMPLE ID		1,1-Dichloroethene		1,2,3-Trichloropropane		1,2-Dibromo-3-chloropropane		1,2-Dibromoethane (EDB)		1,2-Dichloroethane	
CD-SB-119 (4-5)	1/12/2009	4	U	4	U	8.1	U	4	U	4	U
CD-SB-120 (0-1)	2/19/2009	5.9	U	5.9	U	12	U	5.9	U	5.9	U
CD-SB-120 (4-5)	2/19/2009	4.2	U	4.2	U	8.3	U	4.2	U	4.2	U
CD-SB-121 (0-1)	2/19/2009	430	U	430	U	860	U	430	U	430	U
CD-SB-121 (4-5)	2/19/2009	36	J	290	U	580	U	290	U	290	U
CD-SB-121 (9-10)	4/8/2009	4.4	U	4.4	U	8.9	U	4.4	U	4.4	U
CD-SB-122 (0-1)	2/19/2009	1100	U	1100	U	2300	U	1100	U	1100	U
CD-SB-122 (0-1) DUP	2/19/2009	360	U	360	U	730	U	360	U	360	U
CD-SB-122 (4-5)	2/19/2009	5.1	U	5.1	U	10	U	5.1	U	5.1	U
CD-SB-123 (0-1)	2/19/2009	4.4	U	4.4	U	8.8	U	4.4	U	4.4	U
CD-SB-123 (4-5)	2/19/2009	4.8	U	4.8	U	9.5	U	4.8	U	4.8	U
CD-SB-123 (9)	2/19/2009	220	U	220	U	430	U	220	U	220	U
CD-SB-124 (0-1)	2/19/2009	7.3	U	7.3	U	15	U	7.3	U	7.3	U
CD-SB-124 (2-3)	2/19/2009	5.4	U	5.4	U	11	U	5.4	U	5.4	U
CD-SB-125 (0-1)	2/19/2009	370	U	370	U	740	U	370	U	370	U
CD-SB-125 (4-5)	2/19/2009	3.8	U	3.8	U	7.7	U	3.8	U	3.8	U
CD-SB-126 (0-1)	2/19/2009	4.3	U	4.3	U	8.6	U	4.3	U	4.3	U
CD-SB-126 (4-5)	2/19/2009	4.7	U	4.7	U	9.5	U	4.7	U	4.7	U
CD-SB-127 (0-1)	2/19/2009	250	U	250	U	510	U	250	U	250	U
CD-SB-127 (4-5)	2/19/2009	4.4	U	4.4	U	8.9	U	4.4	U	4.4	U
CD-SB-128 (0-1)	2/19/2009	4.9	U	4.9	U	9.8	U	4.9	U	4.9	U
CD-SB-128 (0-1) DUP	2/19/2009	6	U	6	U	12	U	6	U	6	U
CD-SB-128 (3-4)	2/19/2009	4.7	U	4.7	U	9.3	U	4.7	U	4.7	U
CD-SB-129 (1-2)	4/8/2009	4.7	U	4.7	U	9.4	U	4.7	U	4.7	U
CD-SB-129 (4-5)	4/8/2009	4.6	U	4.6	U	9.3	U	4.6	U	4.6	U
CD-SB-129 (9-10)	4/8/2009	4.9	U	4.9	U	9.8	U	4.9	U	4.9	U
CD-SB-130 (1-2)	4/8/2009	6.7	U	6.7	U	13	U	6.7	U	6.7	U
CD-SB-130 (2-3)	4/8/2009	6.1	U	6.1	U	12	U	6.1	U	6.1	U
CD-SB-130 (4-5)	4/8/2009	4.7	U	4.7	U	9.3	U	4.7	U	4.7	U
CD-SB-131 (1-2)	4/8/2009	5.2	U	5.2	U	10	U	5.2	U	5.2	U
CD-SB-131 (2-3)	4/8/2009	4.8	U	4.8	U	9.6	U	4.8	U	4.8	U
CD-SB-131 (4-5)	4/8/2009	4.4	U	4.4	U	8.8	U	4.4	U	4.4	U
CD-SB-133 (1-2)	4/8/2009	4.9	U	4.9	U	9.9	U	4.9	U	4.9	U
CD-SB-133 (2-3)	4/8/2009	5.3	U	5.3	U	11	U	5.3	U	5.3	U
CD-SB-133 (4-5)	4/8/2009	5.5	U	5.5	U	11	U	5.5	U	5.5	U
CD-SB-134 (1-2)	4/8/2009	380	U	380	U	750	U	380	U	380	U
CD-SB-134 (2-3)	4/8/2009	7.1	U	7.1	U	14	U	7.1	U	7.1	U
CD-SB-134 (4-5)	4/8/2009	5.1	U	5.1	U	10	U	5.1	U	5.1	U
CD-SB-135 (1-2)	4/8/2009	8	U	8	U	16	U	8	U	8	U
CD-SB-135 (2-3)	4/8/2009	6.1	U	6.1	U	12	U	6.1	U	6.1	U
CD-SB-135 (4-5)	4/8/2009	5.5	U	5.5	U	11	U	5.5	U	5.5	U
CD-SB-136 (1-2)	4/8/2009	4.7	U	4.7	U	9.4	U	4.7	U	4.7	U
CD-SB-136 (2-3)	4/8/2009	5	U	5	U	10	U	5	U	5	U
CD-SB-136 (4-5)	4/8/2009	4.8	U	4.8	U	9.6	U	4.8	U	4.8	U

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SAMPLE ID		1,2-Dichloropropane		1,4-Dioxane		2-Butanone (MEK)		2-Hexanone		4-Methyl-2-pentanone (MIBK)		Acetone		Acrolein	
CD-SB-21 (0-1)	12/13/2007	190	U	19000	U	760	U	760	U	760	U	760	U	3800	U
CD-SB-21 (4-5)	12/13/2007	3.9	U	390	U	16	U	16	U	16	U	16	U	78	U
CD-SB-21 (9-10)	12/13/2007	4.5	U	450	U	18	U	18	U	18	U	18	U	90	U
CD-SB-21B (0-1)	6/4/2008	950	U	95000	U	3800	U	3800	U	3800	U	3800	U	19000	U
CD-SB-105 (0-1)	12/16/2008	730	U	73000	U	2900	U	2900	U	2900	U	2900	U	15000	U
CD-SB-105 (2-3)	12/16/2008	210	U	21000	U	830	U	830	U	830	U	830	U	4100	U
CD-SB-106 (0-1)	12/16/2008	230	U	23000	U	910	U	910	U	910	U	910	U	4500	U
CD-SB-106 (2-3)	12/16/2008	230	U	23000	U	930	U	930	U	930	U	930	U	4700	U
CD-SB-107 (0-1)	12/16/2008	250	U	25000	U	980	U	980	U	980	U	980	U	4900	U
CD-SB-107 (2-3)	12/16/2008	230	U	23000	U	930	U	930	U	930	U	930	U	4600	U
CD-SB-108 (0-1)	12/16/2008	220	U	22000	U	890	U	890	U	890	U	890	U	4400	U
CD-SB-108 (0-1) DUP	12/16/2008	4.4	U	440	U	3.4	J	18	U	18	U	27		89	U
CD-SB-108 (2-3)	12/16/2008	5.1	U	510	U	10	J	20	U	20	U	52		100	U
CD-SB-109 (0-1)	12/16/2008	4.9	U	490	U	2.5	J	20	U	20	U	6.6	J	98	U
CD-SB-109 (2-3)	12/16/2008	250	U	25000	U	1000	U	1000	U	1000	U	1000	U	5000	UJ
CD-SB-110 (0-1)	12/16/2008	590	U	59000	U	2400	U	2400	U	2400	U	2400	U	12000	U
CD-SB-110 (2-3)	12/16/2008	11	J	23000	U	910	U	910	U	910	U	910	U	4600	U
CD-SB-111 (0-1)	12/16/2008	700	U	70000	U	2800	U	2800	U	2800	U	2800	U	14000	U
CD-SB-111 (0-1) DUP	12/16/2008	820	U	82000	U	3300	U	3300	U	3300	U	3300	U	16000	U
CD-SB-111 (2-3)	12/16/2008	1500	U	150000	U	5900	U	5900	U	5900	U	5900	U	30000	U
CD-SB-111 (4-5)	1/12/2009	4.1	U	410	U	16	UJ	16	U	16	U	23	J	81	U
CD-SB-111 (9-10)	1/12/2009	4.8	U	480	U	19	UJ	19	U	19	U	30	J	97	U
CD-SB-113 (1-2)	1/12/2009	210	U	21000	U	820	U	820	U	820	U	820	U	4100	U
CD-SB-113B (1-2)	1/12/2009	2600	U	260000	U	10000	U	10000	U	10000	U	10000	U	52000	U
CD-SB-113B (2-3)	1/12/2009	400	U	40000	U	1600	U	1600	U	1600	U	1600	U	7900	U
CD-SB-113B (4-5)	1/12/2009	210	U	21000	U	850	U	850	U	850	U	850	U	4300	U
CD-SB-114 (0.5-1.0)	1/12/2009	770	U	77000	U	3100	U	3100	U	3100	U	3100	U	15000	U
CD-SB-114 (2-3)	1/12/2009	4.4	U	440	U	18	UJ	18	U	18	U	7.9	J	88	U
CD-SB-114 (4-5)	1/12/2009	230	U	23000	U	930	U	930	U	930	U	930	U	4600	U
CD-SB-114 (9-10)	4/8/2009	4.4	U	440	U	1.5	J	18	U	18	U	4.8	J	88	U
CD-SB-115 (1-2)	1/12/2009	780	U	78000	U	3100	U	3100	U	3100	U	3100	U	16000	U
CD-SB-115 (2-3)	1/12/2009	4.7	U	470	U	19	UJ	19	U	19	U	24		93	U
CD-SB-115 (4-5)	1/12/2009	220	U	22000	U	880	U	880	U	880	U	880	U	4400	U
CD-SB-116 (1-2)	1/12/2009	780	U	78000	U	3100	U	3100	U	3100	U	3100	U	16000	U
CD-SB-116 (2-3)	1/12/2009	190	U	19000	U	770	U	770	U	770	U	770	U	3900	U
CD-SB-116 (4-5)	1/12/2009	210	U	21000	U	820	U	820	U	820	U	820	U	4100	U
CD-SB-117 (1-2)	1/12/2009	270	U	27000	U	1100	U	1100	U	1100	U	1100	U	5400	U
CD-SB-117 (2-3)	1/12/2009	280	U	28000	U	1100	U	1100	U	1100	U	1100	U	5700	U
CD-SB-117 (4-5)	1/12/2009	4.7	U	470	U	19	UJ	19	U	19	U	26	J	93	U
CD-SB-118 (1-2)	1/12/2009	1200	U	120000	U	4800	U	4800	U	4800	U	4800	U	24000	U
CD-SB-118 (2-3)	1/12/2009	240	U	24000	U	960	U	960	U	960	U	960	U	4800	U
CD-SB-118 (4-5)	1/12/2009	200	U	20000	U	810	U	810	U	810	U	810	U	4100	U
CD-SB-119 (1-2)	1/12/2009	230	U	23000	U	930	U	930	U	930	U	930	U	4700	U
CD-SB-119 (2-3)	1/12/2009	210	U	21000	U	860	U	860	U	860	U	860	U	4300	U

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SAMPLE ID		1,2-Dichloropropane		1,4-Dioxane		2-Butanone (MEK)		2-Hexanone		4-Methyl-2-pentanone (MIBK)		Acetone		Acrolein	
CD-SB-119 (4-5)	1/12/2009	4	U	400	U	16	UJ	16	U	16	U	17	J	81	U
CD-SB-120 (0-1)	2/19/2009	5.9	U	590	U	2.1	J	23	U	23	U	20	J	120	U
CD-SB-120 (4-5)	2/19/2009	4.2	U	420	U	4.9	J	17	U	17	U	39	J	83	U
CD-SB-121 (0-1)	2/19/2009	430	U	43000	U	1700	U	1700	U	1700	U	1700	UJ	8600	U
CD-SB-121 (4-5)	2/19/2009	290	U	29000	U	1200	U	1200	U	1200	U	1200	UJ	5800	U
CD-SB-121 (9-10)	4/8/2009	4.4	U	440	U	1.7	J	18	U	18	U	8	J	89	U
CD-SB-122 (0-1)	2/19/2009	1100	U	110000	U	4500	U	4500	U	4500	U	4500	UJ	23000	U
CD-SB-122 (0-1) DUP	2/19/2009	360	U	36000	U	1500	U	1500	U	1500	U	1500	UJ	7300	U
CD-SB-122 (4-5)	2/19/2009	5.1	U	510	U	8.9	J	21	U	21	U	73	J	100	U
CD-SB-123 (0-1)	2/19/2009	4.4	U	440	U	19		2.6	J	1.7	J	53	J	88	U
CD-SB-123 (4-5)	2/19/2009	4.8	U	480	U	2.4	J	19	U	19	U	20	J	95	U
CD-SB-123 (9)	2/19/2009	220	U	22000	U	860	U	860	U	860	U	860	UJ	4300	U
CD-SB-124 (0-1)	2/19/2009	7.3	U	730	U	6.7	J	29	U	29	U	68	J	150	U
CD-SB-124 (2-3)	2/19/2009	5.4	U	540	U	3.5	J	21	U	21	U	38	J	110	U
CD-SB-125 (0-1)	2/19/2009	370	U	37000	U	100	J	1500	U	1500	U	1500	UJ	7400	U
CD-SB-125 (4-5)	2/19/2009	3.8	U	380	U	3.3	J	15	U	15	U	36	J	77	U
CD-SB-126 (0-1)	2/19/2009	4.3	U	430	U	1.8	J	17	U	17	U	8.3	J	86	U
CD-SB-126 (4-5)	2/19/2009	4.7	U	470	U	2.9	J	19	U	19	U	28	J	95	U
CD-SB-127 (0-1)	2/19/2009	250	U	25000	U	1000	U	1000	U	1000	U	1000	UJ	5100	U
CD-SB-127 (4-5)	2/19/2009	4.4	U	440	U	3	J	18	U	18	U	21	J	89	U
CD-SB-128 (0-1)	2/19/2009	4.9	U	490	U	2	J	20	U	20	U	15	J	98	U
CD-SB-128 (0-1) DUP	2/19/2009	6	U	600	U	3.4	J	24	U	24	U	40	J	120	U
CD-SB-128 (3-4)	2/19/2009	4.7	U	470	U	18	J	19	U	19	U	120	J	93	U
CD-SB-129 (1-2)	4/8/2009	4.7	U	470	U	4.9	J	19	U	19	U	47		94	U
CD-SB-129 (4-5)	4/8/2009	4.6	U	460	U	6.6	J	19	U	19	U	66		93	U
CD-SB-129 (9-10)	4/8/2009	4.9	U	490	U	4.7	J	20	U	20	U	25		98	U
CD-SB-130 (1-2)	4/8/2009	6.7	U	670	U	4.8	J	27	U	27	U	48		130	U
CD-SB-130 (2-3)	4/8/2009	6.1	U	610	U	5.3	J	24	U	24	U	60		120	U
CD-SB-130 (4-5)	4/8/2009	4.7	U	470	U	6.5	J	19	U	19	U	62		93	U
CD-SB-131 (1-2)	4/8/2009	5.2	U	520	U	7.1	J	21	U	21	U	93		100	U
CD-SB-131 (2-3)	4/8/2009	4.8	U	480	U	3.8	J	19	U	19	U	63		96	U
CD-SB-131 (4-5)	4/8/2009	4.4	U	440	U	5.5	J	18	U	18	U	73		88	U
CD-SB-133 (1-2)	4/8/2009	4.9	U	490	U	20	U	20	U	20	U	12	J	99	U
CD-SB-133 (2-3)	4/8/2009	5.3	U	530	U	21	U	21	U	21	U	8.5	J	110	U
CD-SB-133 (4-5)	4/8/2009	5.5	U	550	U	22	U	22	U	22	U	11	J	110	U
CD-SB-134 (1-2)	4/8/2009	380	U	38000	U	1500	U	1500	U	1500	U	1500	U	7500	U
CD-SB-134 (2-3)	4/8/2009	7.1	U	710	U	28	U	28	U	28	U	34		140	U
CD-SB-134 (4-5)	4/8/2009	5.1	U	510	U	5	J	20	U	20	U	48		100	U
CD-SB-135 (1-2)	4/8/2009	8	U	800	U	2.5	J	32	U	32	U	29	J	160	U
CD-SB-135 (2-3)	4/8/2009	6.1	U	610	U	3.5	J	24	U	24	U	34		120	U
CD-SB-135 (4-5)	4/8/2009	5.5	U	550	U	4.1	J	22	U	22	U	43		110	U
CD-SB-136 (1-2)	4/8/2009	4.7	U	470	U	2.9	J	19	U	19	U	18	J	94	U
CD-SB-136 (2-3)	4/8/2009	5	U	500	U	3.7	J	20	U	20	U	41		100	U
CD-SB-136 (4-5)	4/8/2009	4.8	U	480	U	3.2	J	19	U	19	U	27		96	U

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SAMPLE ID		Acrylonitrile		Benzene		Bromodichloromethane		Bromoform		Bromomethane		Carbon disulfide		Carbon tetrachloride	
CD-SB-21 (0-1)	12/13/2007	3800	U	190	U	190	U	190	U	190	U	190	U	190	U
CD-SB-21 (4-5)	12/13/2007	78	U	3.9	U	3.9	U	3.9	U	3.9	U	3.9	U	3.9	U
CD-SB-21 (9-10)	12/13/2007	90	U	4.5	U	4.5	U	4.5	U	4.5	U	4.5	U	4.5	U
CD-SB-21B (0-1)	6/4/2008	19000	U	950	U	950	U	950	U	950	U	950	U	950	U
CD-SB-105 (0-1)	12/16/2008	15000	U	730	U	730	U	730	U	730	U	730	U	730	U
CD-SB-105 (2-3)	12/16/2008	4100	U	210	U	210	U	210	U	210	U	210	U	210	U
CD-SB-106 (0-1)	12/16/2008	4500	U	230	U	230	U	230	U	230	U	120	J	230	U
CD-SB-106 (2-3)	12/16/2008	4700	U	230	U	230	U	230	U	230	U	230	U	230	U
CD-SB-107 (0-1)	12/16/2008	4900	U	250	U	250	U	250	U	250	U	250	U	250	U
CD-SB-107 (2-3)	12/16/2008	4600	U	230	U	230	U	230	U	230	U	230	U	230	U
CD-SB-108 (0-1)	12/16/2008	4400	U	220	U	220	U	220	U	220	U	220	U	220	U
CD-SB-108 (0-1) DUP	12/16/2008	89	U	2.9	J	4.4	U	4.4	U	4.4	U	4.7		4.4	U
CD-SB-108 (2-3)	12/16/2008	100	U	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U
CD-SB-109 (0-1)	12/16/2008	98	U	2.4	J	4.9	U	4.9	U	4.9	U	1.6	J	4.9	U
CD-SB-109 (2-3)	12/16/2008	5000	U	250	U	250	U	250	U	250	U	250	U	250	U
CD-SB-110 (0-1)	12/16/2008	12000	U	590	U	590	U	590	U	590	U	590	U	41	J
CD-SB-110 (2-3)	12/16/2008	4600	U	230	U	230	U	230	U	230	U	230	U	15	J
CD-SB-111 (0-1)	12/16/2008	14000	U	700	U	700	U	700	U	700	U	700	U	700	U
CD-SB-111 (0-1) DUP	12/16/2008	16000	U	820	U	820	U	820	U	820	U	820	U	820	U
CD-SB-111 (2-3)	12/16/2008	30000	U	1500	U	1500	U	1500	U	1500	U	1500	U	1500	U
CD-SB-111 (4-5)	1/12/2009	81	U	4.1	U	4.1	U	4.1	U	4.1	U	4.1	U	4.1	U
CD-SB-111 (9-10)	1/12/2009	97	U	4.8	U	4.8	U	4.8	U	4.8	U	4.8	U	4.8	U
CD-SB-113 (1-2)	1/12/2009	4100	U	210	U	210	U	210	U	210	U	210	U	210	U
CD-SB-113B (1-2)	1/12/2009	52000	U	2600	U	2600	U	2600	U	2600	U	2600	U	2600	U
CD-SB-113B (2-3)	1/12/2009	7900	U	400	U	400	U	400	U	400	U	400	U	400	U
CD-SB-113B (4-5)	1/12/2009	4300	U	210	U	210	U	210	U	210	U	210	U	210	U
CD-SB-114 (0.5-1.0)	1/12/2009	15000	U	770	U	770	U	770	U	770	U	770	U	770	U
CD-SB-114 (2-3)	1/12/2009	88	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
CD-SB-114 (4-5)	1/12/2009	4600	U	230	U	230	U	230	U	230	U	230	U	230	U
CD-SB-114 (9-10)	4/8/2009	88	U	3.1	J	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
CD-SB-115 (1-2)	1/12/2009	16000	U	780	U	780	U	780	U	780	U	780	U	780	U
CD-SB-115 (2-3)	1/12/2009	93	U	1.1	J	4.7	U	4.7	U	4.7	U	4.7	U	4.7	U
CD-SB-115 (4-5)	1/12/2009	4400	U	220	U	220	U	220	U	220	U	220	U	220	U
CD-SB-116 (1-2)	1/12/2009	16000	U	780	U	780	U	780	U	780	U	780	U	780	U
CD-SB-116 (2-3)	1/12/2009	3900	U	190	U	190	U	190	U	190	U	190	U	190	U
CD-SB-116 (4-5)	1/12/2009	4100	U	210	U	210	U	210	U	210	U	210	U	210	U
CD-SB-117 (1-2)	1/12/2009	5400	U	270	U	270	U	270	U	270	U	270	U	95	J
CD-SB-117 (2-3)	1/12/2009	5700	U	280	U	280	U	280	U	280	U	280	U	69	J
CD-SB-117 (4-5)	1/12/2009	93	U	1.4	J	4.7	U	4.7	U	4.7	U	4.7	U	4.7	U
CD-SB-118 (1-2)	1/12/2009	24000	U	1200	U	1200	U	1200	U	1200	U	1200	U	1200	U
CD-SB-118 (2-3)	1/12/2009	4800	U	240	U	240	U	240	U	240	U	240	U	240	U
CD-SB-118 (4-5)	1/12/2009	4100	U	200	U	200	U	200	U	200	U	200	U	200	U
CD-SB-119 (1-2)	1/12/2009	4700	U	230	U	230	U	230	U	230	U	230	U	230	U
CD-SB-119 (2-3)	1/12/2009	4300	U	210	U	210	U	210	U	210	U	210	U	210	U

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SAMPLE ID		Acrylonitrile		Benzene		Bromodichloromethane		Bromoform		Bromomethane		Carbon disulfide		Carbon tetrachloride	
CD-SB-119 (4-5)	1/12/2009	81	U	0.64	J	4	U	4	U	4	U	4	U	4	U
CD-SB-120 (0-1)	2/19/2009	120	U	0.58	J	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U
CD-SB-120 (4-5)	2/19/2009	83	U	2.1	J	4.2	U	4.2	U	4.2	U	1.6	J	4.2	U
CD-SB-121 (0-1)	2/19/2009	8600	U	430	U	430	U	430	U	430	U	430	U	430	U
CD-SB-121 (4-5)	2/19/2009	5800	U	290	U	290	U	290	U	290	U	290	U	290	U
CD-SB-121 (9-10)	4/8/2009	89	U	2.4	J	4.4	U	4.4	U	4.4	U	3.2	J	4.4	U
CD-SB-122 (0-1)	2/19/2009	23000	U	1100	U	1100	U	1100	U	1100	U	1100	U	1100	U
CD-SB-122 (0-1) DUP	2/19/2009	7300	U	360	U	360	U	360	U	360	U	360	U	360	U
CD-SB-122 (4-5)	2/19/2009	100	U	0.26	J	5.1	U	5.1	U	5.1	U	0.69	J	5.1	U
CD-SB-123 (0-1)	2/19/2009	88	U	1.9	J	4.4	U	4.4	U	4.4	U	1.1	J	4.4	U
CD-SB-123 (4-5)	2/19/2009	95	U	2.8	J	4.8	U	4.8	U	4.8	U	1.5	J	4.8	U
CD-SB-123 (9)	2/19/2009	4300	U	220	U	220	U	220	U	220	U	220	U	220	U
CD-SB-124 (0-1)	2/19/2009	150	U	2.3	J	7.3	U	7.3	U	7.3	U	2.3	J	7.3	U
CD-SB-124 (2-3)	2/19/2009	110	U	0.94	J	5.4	U	5.4	U	5.4	U	2.8	J	5.4	U
CD-SB-125 (0-1)	2/19/2009	7400	U	370	U	370	U	370	U	370	U	370	U	370	U
CD-SB-125 (4-5)	2/19/2009	77	U	3.8	U	3.8	U	3.8	U	3.8	U	3.8	U	3.8	U
CD-SB-126 (0-1)	2/19/2009	86	U	3.1	J	4.3	U	4.3	U	4.3	U	2.3	J	4.3	U
CD-SB-126 (4-5)	2/19/2009	95	U	4.7	U	4.7	U	4.7	U	4.7	U	4.7	U	4.7	U
CD-SB-127 (0-1)	2/19/2009	5100	U	250	U	250	U	250	U	250	U	250	U	250	U
CD-SB-127 (4-5)	2/19/2009	89	U	1.6	J	4.4	U	4.4	U	4.4	U	1.5	J	4.4	U
CD-SB-128 (0-1)	2/19/2009	98	U	3	J	4.9	U	4.9	U	4.9	U	1.3	J	4.9	U
CD-SB-128 (0-1) DUP	2/19/2009	120	U	20		6	U	6	U	6	U	20		6	U
CD-SB-128 (3-4)	2/19/2009	93	U	0.61	J	4.7	U	4.7	U	4.7	U	4.7	U	4.7	U
CD-SB-129 (1-2)	4/8/2009	94	U	0.65	J	4.7	U	4.7	U	4.7	U	1.6	J	4.7	U
CD-SB-129 (4-5)	4/8/2009	93	U	1.1	J	4.6	U	4.6	U	4.6	U	3.5	J	4.6	U
CD-SB-129 (9-10)	4/8/2009	98	U	5		4.9	U	4.9	U	4.9	U	4.9	U	4.9	U
CD-SB-130 (1-2)	4/8/2009	130	U	1.2	J	6.7	U	6.7	U	6.7	U	16		6.7	U
CD-SB-130 (2-3)	4/8/2009	120	U	1.7	J	6.1	U	6.1	U	6.1	U	28		6.1	U
CD-SB-130 (4-5)	4/8/2009	93	U	0.35	J	4.7	U	4.7	U	4.7	U	2	J	4.7	U
CD-SB-131 (1-2)	4/8/2009	100	U	1.1	J	5.2	U	5.2	U	5.2	U	2.5	J	5.2	U
CD-SB-131 (2-3)	4/8/2009	96	U	0.34	J	4.8	U	4.8	U	4.8	U	4.8	U	4.8	U
CD-SB-131 (4-5)	4/8/2009	88	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
CD-SB-133 (1-2)	4/8/2009	99	U	1.7	J	4.9	U	4.9	U	4.9	U	6.2		4.9	U
CD-SB-133 (2-3)	4/8/2009	110	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
CD-SB-133 (4-5)	4/8/2009	110	U	5.5	U	5.5	U	5.5	U	5.5	U	1.4	J	5.5	U
CD-SB-134 (1-2)	4/8/2009	7500	U	380	U	380	U	380	U	380	U	380	U	380	U
CD-SB-134 (2-3)	4/8/2009	140	U	0.41	J	7.1	U	7.1	U	7.1	U	2.7	J	7.1	U
CD-SB-134 (4-5)	4/8/2009	100	U	5.1	U	5.1	U	5.1	U	5.1	U	1.8	J	5.1	U
CD-SB-135 (1-2)	4/8/2009	160	U	1.4	J	8	U	8	U	8	U	5.1	J	8	U
CD-SB-135 (2-3)	4/8/2009	120	U	0.58	J	6.1	U	6.1	U	6.1	U	1.5	J	6.1	U
CD-SB-135 (4-5)	4/8/2009	110	U	0.54	J	5.5	U	5.5	U	5.5	U	3.4	J	5.5	U
CD-SB-136 (1-2)	4/8/2009	94	U	2.2	J	4.7	U	4.7	U	4.7	U	2.4	J	4.7	U
CD-SB-136 (2-3)	4/8/2009	100	U	0.55	J	5	U	5	U	5	U	5	U	5	U
CD-SB-136 (4-5)	4/8/2009	96	U	1.4	J	4.8	U	4.8	U	4.8	U	1.5	J	4.8	U

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SAMPLE ID		Chlorobenzene		Chloroethane		Chloroform		Chloromethane		cis-1,2-Dichloroethene		cis-1,3-Dichloropropene	
CD-SB-21 (0-1)	12/13/2007	190	U	190	U	190	U	190	U	190	U	190	U
CD-SB-21 (4-5)	12/13/2007	3.9	U	3.9	U	3.9	U	3.9	U	3.9	U	3.9	U
CD-SB-21 (9-10)	12/13/2007	4.5	U	4.5	U	4.5	U	4.5	U	4.5	U	4.5	U
CD-SB-21B (0-1)	6/4/2008	950	U	950	U	950	U	950	U	950	U	950	U
CD-SB-105 (0-1)	12/16/2008	730	U	730	U	730	U	730	U	730	U	730	U
CD-SB-105 (2-3)	12/16/2008	210	U	210	U	210	U	210	U	210	U	210	U
CD-SB-106 (0-1)	12/16/2008	230	U	230	U	230	U	230	U	230	U	230	U
CD-SB-106 (2-3)	12/16/2008	230	U	230	U	230	U	230	U	230	U	230	U
CD-SB-107 (0-1)	12/16/2008	250	U	250	U	250	U	250	U	250	U	250	U
CD-SB-107 (2-3)	12/16/2008	230	U	230	U	230	U	230	U	230	U	230	U
CD-SB-108 (0-1)	12/16/2008	220	U	220	U	220	U	220	U	220	U	220	U
CD-SB-108 (0-1) DUP	12/16/2008	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
CD-SB-108 (2-3)	12/16/2008	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U
CD-SB-109 (0-1)	12/16/2008	4.9	U	4.9	U	0.28	J	4.9	U	4.9	U	4.9	U
CD-SB-109 (2-3)	12/16/2008	250	U	250	U	250	U	250	U	250	U	250	U
CD-SB-110 (0-1)	12/16/2008	590	U	590	U	590	U	590	U	590	U	590	U
CD-SB-110 (2-3)	12/16/2008	230	U	230	U	230	U	230	U	230	U	230	U
CD-SB-111 (0-1)	12/16/2008	700	U	700	U	700	U	700	U	700	U	700	U
CD-SB-111 (0-1) DUP	12/16/2008	820	U	820	U	820	U	820	U	820	U	820	U
CD-SB-111 (2-3)	12/16/2008	1500	U	1500	U	1500	U	1500	U	1500	U	1500	U
CD-SB-111 (4-5)	1/12/2009	4.1	U	4.1	U	4.1	U	4.1	U	4.1	U	4.1	U
CD-SB-111 (9-10)	1/12/2009	4.8	U	4.8	U	4.8	U	4.8	U	4.8	U	4.8	U
CD-SB-113 (1-2)	1/12/2009	210	U	210	U	210	U	210	U	210	U	210	U
CD-SB-113B (1-2)	1/12/2009	2600	U	2600	U	2600	U	2600	U	2600	U	2600	U
CD-SB-113B (2-3)	1/12/2009	400	U	400	U	400	U	400	U	400	U	400	U
CD-SB-113B (4-5)	1/12/2009	210	U	210	U	210	U	210	U	210	U	210	U
CD-SB-114 (0.5-1.0)	1/12/2009	770	U	770	U	770	U	770	U	770	U	770	U
CD-SB-114 (2-3)	1/12/2009	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
CD-SB-114 (4-5)	1/12/2009	230	U	230	U	230	U	230	U	230	U	230	U
CD-SB-114 (9-10)	4/8/2009	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
CD-SB-115 (1-2)	1/12/2009	780	U	780	U	780	U	780	U	780	U	780	U
CD-SB-115 (2-3)	1/12/2009	4.7	U	4.7	U	4.7	U	4.7	U	4.7	U	4.7	U
CD-SB-115 (4-5)	1/12/2009	220	U	220	U	220	U	220	U	220	U	220	U
CD-SB-116 (1-2)	1/12/2009	780	U	780	U	780	U	780	U	780	U	780	U
CD-SB-116 (2-3)	1/12/2009	190	U	190	U	190	U	190	U	190	U	190	U
CD-SB-116 (4-5)	1/12/2009	210	U	210	U	210	U	210	U	210	U	210	U
CD-SB-117 (1-2)	1/12/2009	270	U	270	U	270	U	270	U	270	U	270	U
CD-SB-117 (2-3)	1/12/2009	280	U	280	U	280	U	280	U	280	U	280	U
CD-SB-117 (4-5)	1/12/2009	4.7	U	4.7	U	4.7	U	4.7	U	4.7	U	4.7	U
CD-SB-118 (1-2)	1/12/2009	1200	U	1200	U	1200	U	1200	U	1200	U	1200	U
CD-SB-118 (2-3)	1/12/2009	240	U	240	U	240	U	240	U	240	U	240	U
CD-SB-118 (4-5)	1/12/2009	200	U	200	U	200	U	200	U	200	U	200	U
CD-SB-119 (1-2)	1/12/2009	230	U	230	U	230	U	230	U	230	U	230	U
CD-SB-119 (2-3)	1/12/2009	210	U	210	U	210	U	210	U	210	U	210	U

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SAMPLE ID		Chlorobenzene		Chloroethane		Chloroform		Chloromethane		cis-1,2-Dichloroethene		cis-1,3-Dichloropropene	
CD-SB-119 (4-5)	1/12/2009	4	U	4	U	4	U	4	U	4	U	4	U
CD-SB-120 (0-1)	2/19/2009	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U
CD-SB-120 (4-5)	2/19/2009	4.2	U	4.2	U	4.2	U	4.2	U	4.2	U	4.2	U
CD-SB-121 (0-1)	2/19/2009	430	U	430	U	430	U	430	U	430	U	430	U
CD-SB-121 (4-5)	2/19/2009	290	U	290	U	290	U	290	U	290	U	290	U
CD-SB-121 (9-10)	4/8/2009	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
CD-SB-122 (0-1)	2/19/2009	1100	U	1100	U	1100	U	1100	U	1100	U	1100	U
CD-SB-122 (0-1) DUP	2/19/2009	360	U	360	U	360	U	360	U	360	U	360	U
CD-SB-122 (4-5)	2/19/2009	5.1	U	5.1	U	5.1	UJ	5.1	U	5.1	U	5.1	U
CD-SB-123 (0-1)	2/19/2009	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
CD-SB-123 (4-5)	2/19/2009	4.8	U	4.8	U	4.8	U	4.8	U	4.8	U	4.8	U
CD-SB-123 (9)	2/19/2009	220	U	220	U	220	U	220	U	220	U	220	U
CD-SB-124 (0-1)	2/19/2009	7.3	U	7.3	U	7.3	U	7.3	U	7.3	U	7.3	U
CD-SB-124 (2-3)	2/19/2009	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
CD-SB-125 (0-1)	2/19/2009	370	U	370	U	370	U	370	U	370	U	370	U
CD-SB-125 (4-5)	2/19/2009	3.8	U	3.8	U	3.8	U	3.8	U	3.8	U	3.8	U
CD-SB-126 (0-1)	2/19/2009	4.3	U	4.3	U	4.3	U	4.3	U	4.3	U	4.3	U
CD-SB-126 (4-5)	2/19/2009	4.7	U	4.7	U	4.7	U	4.7	U	4.7	U	4.7	U
CD-SB-127 (0-1)	2/19/2009	250	U	250	U	250	U	250	U	250	U	250	U
CD-SB-127 (4-5)	2/19/2009	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
CD-SB-128 (0-1)	2/19/2009	4.9	U	4.9	U	4.9	U	4.9	U	4.9	U	4.9	U
CD-SB-128 (0-1) DUP	2/19/2009	6	U	6	U	6	U	6	U	6	U	6	U
CD-SB-128 (3-4)	2/19/2009	4.7	U	4.7	U	4.7	U	4.7	U	4.7	U	4.7	U
CD-SB-129 (1-2)	4/8/2009	4.7	U	4.7	U	4.7	U	4.7	U	4.7	U	4.7	U
CD-SB-129 (4-5)	4/8/2009	4.6	U	4.6	U	4.6	U	4.6	U	4.6	U	4.6	U
CD-SB-129 (9-10)	4/8/2009	4.9	U	4.9	U	4.9	U	4.9	U	4.9	U	4.9	U
CD-SB-130 (1-2)	4/8/2009	6.7	U	6.7	U	6.7	U	0.84	J	6.7	U	6.7	U
CD-SB-130 (2-3)	4/8/2009	6.1	U	6.1	U	6.1	U	1.3	J	6.1	U	6.1	U
CD-SB-130 (4-5)	4/8/2009	4.7	U	4.7	U	4.7	U	0.81	J	4.7	U	4.7	U
CD-SB-131 (1-2)	4/8/2009	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U
CD-SB-131 (2-3)	4/8/2009	4.8	U	4.8	U	4.8	U	4.8	U	4.8	U	4.8	U
CD-SB-131 (4-5)	4/8/2009	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
CD-SB-133 (1-2)	4/8/2009	4.9	U	4.9	U	4.9	U	4.9	U	4.9	U	4.9	U
CD-SB-133 (2-3)	4/8/2009	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
CD-SB-133 (4-5)	4/8/2009	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U
CD-SB-134 (1-2)	4/8/2009	380	U	380	U	380	U	380	U	380	U	380	U
CD-SB-134 (2-3)	4/8/2009	7.1	U	7.1	U	7.1	U	7.1	U	7.1	U	7.1	U
CD-SB-134 (4-5)	4/8/2009	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U
CD-SB-135 (1-2)	4/8/2009	8	U	8	U	8	U	8	U	8	U	8	U
CD-SB-135 (2-3)	4/8/2009	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
CD-SB-135 (4-5)	4/8/2009	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U
CD-SB-136 (1-2)	4/8/2009	4.7	U	4.7	U	4.7	U	4.7	U	4.7	U	4.7	U
CD-SB-136 (2-3)	4/8/2009	5	U	5	U	5	U	5	U	5	U	5	U
CD-SB-136 (4-5)	4/8/2009	4.8	U	4.8	U	4.8	U	4.8	U	4.8	U	4.8	U

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SAMPLE ID		Dibromochloromethane		Dibromomethane		Dichlorodifluoromethane		Ethyl methacrylate		Ethylbenzene		Iodomethane	
CD-SB-21 (0-1)	12/13/2007	190	U	190	U	190	U	190	U	190	U	190	U
CD-SB-21 (4-5)	12/13/2007	3.9	U	3.9	U	3.9	U	3.9	U	3.9	U	3.9	U
CD-SB-21 (9-10)	12/13/2007	4.5	U	4.5	U	4.5	U	4.5	U	4.5	U	4.5	U
CD-SB-21B (0-1)	6/4/2008	950	U	950	U	950	U	950	U	950	U	950	UJ
CD-SB-105 (0-1)	12/16/2008	730	U	730	U	730	U	730	U	57	J	730	U
CD-SB-105 (2-3)	12/16/2008	210	U	210	U	210	U	210	U	210	U	210	U
CD-SB-106 (0-1)	12/16/2008	230	U	230	U	230	U	230	U	230	U	230	U
CD-SB-106 (2-3)	12/16/2008	230	U	230	U	230	U	230	U	230	U	230	U
CD-SB-107 (0-1)	12/16/2008	250	U	250	U	250	U	250	U	32	J	250	U
CD-SB-107 (2-3)	12/16/2008	230	U	230	U	230	U	230	U	230	U	230	U
CD-SB-108 (0-1)	12/16/2008	220	U	220	U	220	U	220	U	220	U	220	U
CD-SB-108 (0-1) DUP	12/16/2008	4.4	U	4.4	U	4.4	U	4.4	U	1.6	J	4.4	U
CD-SB-108 (2-3)	12/16/2008	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U
CD-SB-109 (0-1)	12/16/2008	4.9	U	4.9	U	4.9	U	4.9	U	1.6	J	4.9	U
CD-SB-109 (2-3)	12/16/2008	250	U	250	U	250	UJ	250	U	14	J	250	UJ
CD-SB-110 (0-1)	12/16/2008	590	U	590	U	590	U	590	U	590	U	590	U
CD-SB-110 (2-3)	12/16/2008	230	U	230	U	230	U	230	U	230	U	230	U
CD-SB-111 (0-1)	12/16/2008	700	U	700	U	700	U	700	U	700	U	700	U
CD-SB-111 (0-1) DUP	12/16/2008	820	U	820	U	820	U	820	U	820	U	820	U
CD-SB-111 (2-3)	12/16/2008	1500	U	1500	U	1500	U	1500	U	1500	U	1500	U
CD-SB-111 (4-5)	1/12/2009	4.1	U	4.1	U	2.2	J	4.1	U	4.1	U	4.1	U
CD-SB-111 (9-10)	1/12/2009	4.8	U	4.8	U	4.8	U	4.8	U	4.8	U	1.4	J
CD-SB-113 (1-2)	1/12/2009	210	U	210	U	210	U	210	U	210	U	210	U
CD-SB-113B (1-2)	1/12/2009	2600	U	2600	U	2600	U	2600	U	2600	U	2600	U
CD-SB-113B (2-3)	1/12/2009	400	U	400	U	400	U	400	U	24	J	400	U
CD-SB-113B (4-5)	1/12/2009	210	U	210	U	210	U	210	U	210	U	210	U
CD-SB-114 (0.5-1.0)	1/12/2009	770	U	770	U	770	U	770	U	770	U	770	U
CD-SB-114 (2-3)	1/12/2009	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
CD-SB-114 (4-5)	1/12/2009	230	U	230	U	230	U	230	U	230	U	230	U
CD-SB-114 (9-10)	4/8/2009	4.4	U	4.4	U	4.4	U	4.4	U	2.6	J	4.4	U
CD-SB-115 (1-2)	1/12/2009	780	U	780	U	780	U	780	U	780	U	780	U
CD-SB-115 (2-3)	1/12/2009	4.7	U	4.7	U	4.7	U	4.7	U	0.53	J	4.7	U
CD-SB-115 (4-5)	1/12/2009	220	U	220	U	220	U	220	U	220	U	220	U
CD-SB-116 (1-2)	1/12/2009	780	U	780	U	780	U	780	U	780	U	780	U
CD-SB-116 (2-3)	1/12/2009	190	U	190	U	190	U	190	U	190	U	190	U
CD-SB-116 (4-5)	1/12/2009	210	U	210	U	210	U	210	U	210	U	210	U
CD-SB-117 (1-2)	1/12/2009	270	U	270	U	270	U	270	U	270	U	270	U
CD-SB-117 (2-3)	1/12/2009	280	U	280	U	280	U	280	U	280	U	280	U
CD-SB-117 (4-5)	1/12/2009	4.7	U	4.7	U	4.7	U	4.7	U	0.62	J	4.7	U
CD-SB-118 (1-2)	1/12/2009	1200	U	1200	U	1200	U	1200	U	1200	U	1200	U
CD-SB-118 (2-3)	1/12/2009	240	U	240	U	240	U	240	U	240	U	240	U
CD-SB-118 (4-5)	1/12/2009	200	U	200	U	200	U	200	U	200	U	200	U
CD-SB-119 (1-2)	1/12/2009	230	U	230	U	230	U	230	U	230	U	230	U
CD-SB-119 (2-3)	1/12/2009	210	U	210	U	210	U	210	U	210	U	210	U

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SAMPLE ID		Dibromochloromethane		Dibromomethane		Dichlorodifluoromethane		Ethyl methacrylate		Ethylbenzene		Iodomethane	
CD-SB-119 (4-5)	1/12/2009	4	U	4	U	4	U	4	U	4	U	4	U
CD-SB-120 (0-1)	2/19/2009	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U	5.9	U
CD-SB-120 (4-5)	2/19/2009	4.2	U	4.2	U	4.2	U	4.2	U	0.91	J	4.2	U
CD-SB-121 (0-1)	2/19/2009	430	U	430	U	430	U	430	U	430	U	430	U
CD-SB-121 (4-5)	2/19/2009	290	U	290	U	290	U	290	U	290	U	290	U
CD-SB-121 (9-10)	4/8/2009	4.4	U	4.4	U	4.4	U	4.4	U	1	J	4.4	U
CD-SB-122 (0-1)	2/19/2009	1100	U	1100	U	1100	U	1100	U	1100	U	1100	U
CD-SB-122 (0-1) DUP	2/19/2009	360	U	360	U	360	U	360	U	360	U	360	U
CD-SB-122 (4-5)	2/19/2009	5.1	U	5.1	U	1.2	J	5.1	U	5.1	U	5.1	U
CD-SB-123 (0-1)	2/19/2009	4.4	U	4.4	U	4.4	U	4.4	U	2.4	J	4.4	U
CD-SB-123 (4-5)	2/19/2009	4.8	U	4.8	U	4.8	U	4.8	U	1.1	J	4.8	U
CD-SB-123 (9)	2/19/2009	220	U	220	U	220	U	220	U	220	U	220	U
CD-SB-124 (0-1)	2/19/2009	7.3	U	7.3	U	7.3	U	7.3	U	7.3	U	7.3	U
CD-SB-124 (2-3)	2/19/2009	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
CD-SB-125 (0-1)	2/19/2009	370	U	370	U	370	U	370	U	370	U	370	U
CD-SB-125 (4-5)	2/19/2009	3.8	U	3.8	U	3.8	U	3.8	U	3.8	U	3.8	U
CD-SB-126 (0-1)	2/19/2009	4.3	U	4.3	U	4.3	U	4.3	U	2.1	J	4.3	U
CD-SB-126 (4-5)	2/19/2009	4.7	U	4.7	U	4.7	U	4.7	U	4.7	U	0.47	J
CD-SB-127 (0-1)	2/19/2009	250	U	250	U	250	U	250	U	250	U	250	U
CD-SB-127 (4-5)	2/19/2009	4.4	U	4.4	U	4.4	U	4.4	U	1.2	J	4.4	U
CD-SB-128 (0-1)	2/19/2009	4.9	U	4.9	U	4.9	U	4.9	U	1.1	J	4.9	U
CD-SB-128 (0-1) DUP	2/19/2009	6	U	6	U	6	U	6	U	6	U	6	U
CD-SB-128 (3-4)	2/19/2009	4.7	U	4.7	U	0.89	J	4.7	U	4.7	U	2.8	J
CD-SB-129 (1-2)	4/8/2009	4.7	U	4.7	U	4.7	U	4.7	U	4.7	U	4.7	U
CD-SB-129 (4-5)	4/8/2009	4.6	U	4.6	U	4.6	U	4.6	U	4.6	U	4.6	U
CD-SB-129 (9-10)	4/8/2009	4.9	U	4.9	U	4.9	U	4.9	U	4.1	J	4.9	U
CD-SB-130 (1-2)	4/8/2009	6.7	U	6.7	U	6.7	U	6.7	U	6.7	U	6.7	U
CD-SB-130 (2-3)	4/8/2009	6.1	U	6.1	U	6.1	U	6.1	U	1	J	6.1	U
CD-SB-130 (4-5)	4/8/2009	4.7	U	4.7	U	4.7	U	4.7	U	4.7	U	4.7	U
CD-SB-131 (1-2)	4/8/2009	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U
CD-SB-131 (2-3)	4/8/2009	4.8	U	4.8	U	4.8	U	4.8	U	4.8	U	4.8	U
CD-SB-131 (4-5)	4/8/2009	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	0.48	J
CD-SB-133 (1-2)	4/8/2009	4.9	U	4.9	U	4.9	U	4.9	U	1.1	J	4.9	U
CD-SB-133 (2-3)	4/8/2009	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
CD-SB-133 (4-5)	4/8/2009	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U
CD-SB-134 (1-2)	4/8/2009	380	U	380	U	380	U	380	U	21	J	380	U
CD-SB-134 (2-3)	4/8/2009	7.1	U	7.1	U	7.1	U	7.1	U	7.1	U	7.1	U
CD-SB-134 (4-5)	4/8/2009	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U
CD-SB-135 (1-2)	4/8/2009	8	U	8	U	8	U	8	U	8	U	8	U
CD-SB-135 (2-3)	4/8/2009	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
CD-SB-135 (4-5)	4/8/2009	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U
CD-SB-136 (1-2)	4/8/2009	4.7	U	4.7	U	4.7	U	4.7	U	0.67	J	4.7	U
CD-SB-136 (2-3)	4/8/2009	5	U	5	U	5	U	5	U	5	U	5	U
CD-SB-136 (4-5)	4/8/2009	4.8	U	4.8	U	4.8	U	4.8	U	0.77	J	4.8	U

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SAMPLE ID		Methylene chloride		Styrene		Tetrachloroethene		Toluene		trans-1,2-Dichloroethene		trans-1,3-Dichloropropene	
CD-SB-21 (0-1)	12/13/2007	190	U	190	U	130	J	190	U	190	U	190	U
CD-SB-21 (4-5)	12/13/2007	3.9	U	3.9	U	3.9	U	3.9	U	3.9	U	3.9	U
CD-SB-21 (9-10)	12/13/2007	4.5	U	4.5	U	4.5	U	4.5	U	4.5	U	4.5	U
CD-SB-21B (0-1)	6/4/2008	950	U	950	U	250	J	950	U	950	U	950	U
CD-SB-105 (0-1)	12/16/2008	730	U	730	U	7300		37	J	730	U	730	U
CD-SB-105 (2-3)	12/16/2008	210	U	210	U	270		210	U	210	U	210	U
CD-SB-106 (0-1)	12/16/2008	230	U	230	U	13	J	230	U	230	U	230	U
CD-SB-106 (2-3)	12/16/2008	230	U	230	U	94	J	230	U	230	U	230	U
CD-SB-107 (0-1)	12/16/2008	250	U	250	U	39	J	250	U	250	U	250	U
CD-SB-107 (2-3)	12/16/2008	230	U	230	U	26	J	230	U	230	U	230	U
CD-SB-108 (0-1)	12/16/2008	220	U	220	U	220	U	220	U	220	U	220	U
CD-SB-108 (0-1) DUP	12/16/2008	4.4	U	4.4	U	1.9	J	6.8		4.4	U	4.4	U
CD-SB-108 (2-3)	12/16/2008	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U
CD-SB-109 (0-1)	12/16/2008	4.9	U	4.9	U	4.9	U	6.2		4.9	U	4.9	U
CD-SB-109 (2-3)	12/16/2008	250	U	250	U	44	J	250	U	250	U	250	U
CD-SB-110 (0-1)	12/16/2008	590	U	590	U	110	J	590	U	590	U	590	U
CD-SB-110 (2-3)	12/16/2008	230	U	230	U	34	J	230	U	230	U	230	U
CD-SB-111 (0-1)	12/16/2008	700	U	700	U	160	J	700	U	700	U	700	U
CD-SB-111 (0-1) DUP	12/16/2008	820	U	820	U	200	J	820	U	820	U	820	U
CD-SB-111 (2-3)	12/16/2008	1500	U	1500	U	1500	U	1500	U	1500	U	1500	U
CD-SB-111 (4-5)	1/12/2009	4.1	U	4.1	U	4.1	U	4.1	U	4.1	U	4.1	U
CD-SB-111 (9-10)	1/12/2009	4.8	U	4.8	U	4.8	U	4.8	U	4.8	U	4.8	U
CD-SB-113 (1-2)	1/12/2009	210	U	210	U	210		210	U	210	U	210	U
CD-SB-113B (1-2)	1/12/2009	2600	U	2600	U	2600	U	2600	U	2600	U	2600	U
CD-SB-113B (2-3)	1/12/2009	400	U	400	U	400	U	400	U	400	U	400	U
CD-SB-113B (4-5)	1/12/2009	210	U	210	U	210	U	210	U	210	U	210	U
CD-SB-114 (0.5-1.0)	1/12/2009	770	U	770	U	770	U	770	U	770	U	770	U
CD-SB-114 (2-3)	1/12/2009	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
CD-SB-114 (4-5)	1/12/2009	230	U	230	U	230	U	230	U	230	U	230	U
CD-SB-114 (9-10)	4/8/2009	4.4	U	4.4	U	4.4	U	8.1		4.4	U	4.4	U
CD-SB-115 (1-2)	1/12/2009	780	U	780	U	7100		780	U	780	U	780	U
CD-SB-115 (2-3)	1/12/2009	4.7	U	4.7	U	3	J	2.1	J	4.7	U	4.7	U
CD-SB-115 (4-5)	1/12/2009	220	U	220	U	210	J	220	U	220	U	220	U
CD-SB-116 (1-2)	1/12/2009	780	U	780	U	1200	J	780	U	780	U	780	U
CD-SB-116 (2-3)	1/12/2009	190	U	190	U	190	U	190	U	190	U	190	U
CD-SB-116 (4-5)	1/12/2009	210	U	210	U	59	J	210	U	210	U	210	U
CD-SB-117 (1-2)	1/12/2009	270	U	270	U	3700		270	U	270	U	270	U
CD-SB-117 (2-3)	1/12/2009	280	U	280	U	2300		280	U	280	U	280	U
CD-SB-117 (4-5)	1/12/2009	4.7	U	4.7	U	3.8	J	3.4	J	4.7	U	4.7	U
CD-SB-118 (1-2)	1/12/2009	1200	U	1200	U	23000		1200	U	1200	U	1200	U
CD-SB-118 (2-3)	1/12/2009	240	U	240	U	4500		240	U	240	U	240	U
CD-SB-118 (4-5)	1/12/2009	200	U	200	U	730		200	U	200	U	200	U
CD-SB-119 (1-2)	1/12/2009	230	U	230	U	3700		230	U	230	U	230	U
CD-SB-119 (2-3)	1/12/2009	210	U	210	U	1700		210	U	210	U	210	U

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SAMPLE ID		Methylene chloride		Styrene		Tetrachloroethene		Toluene		trans-1,2-Dichloroethene		trans-1,3-Dichloropropene	
CD-SB-119 (4-5)	1/12/2009	4	U	4	U	4		1.3	J	4	U	4	U
CD-SB-120 (0-1)	2/19/2009	5.9	U	5.9	U	4	J	0.62	J	5.9	U	5.9	U
CD-SB-120 (4-5)	2/19/2009	4.2	U	4.2	U	7.7		3.8	J	4.2	U	4.2	U
CD-SB-121 (0-1)	2/19/2009	430	U	430	U	1200		430	U	430	U	430	U
CD-SB-121 (4-5)	2/19/2009	290	U	290	U	1700		290	U	290	U	290	U
CD-SB-121 (9-10)	4/8/2009	4.4	U	4.4	U	2.1	J	3.7	J	4.4	U	4.4	U
CD-SB-122 (0-1)	2/19/2009	1100	U	1100	U	2600		1100	U	1100	U	1100	U
CD-SB-122 (0-1) DUP	2/19/2009	360	U	360	U	2500		360	U	360	U	360	U
CD-SB-122 (4-5)	2/19/2009	5.1	U	5.1	U	31		5.1	U	5.1	U	5.1	U
CD-SB-123 (0-1)	2/19/2009	4.4	U	4.4	U	28		6.1		4.4	U	4.4	U
CD-SB-123 (4-5)	2/19/2009	4.8	U	4.8	U	4.8	J	6.6	J	4.8	U	4.8	U
CD-SB-123 (9)	2/19/2009	220	U	220	U	46	J	220	U	220	U	220	U
CD-SB-124 (0-1)	2/19/2009	7.3	U	7.3	U	1.1	J	2.3	J	7.3	U	7.3	U
CD-SB-124 (2-3)	2/19/2009	5.4	U	5.4	U	5.4	U	0.9	J	5.4	U	5.4	U
CD-SB-125 (0-1)	2/19/2009	370	U	370	U	210	J	33	J	370	U	370	U
CD-SB-125 (4-5)	2/19/2009	3.8	U	3.8	U	3.8	U	3.8	U	3.8	U	3.8	U
CD-SB-126 (0-1)	2/19/2009	4.3	U	4.3	U	1.3	J	7.5		4.3	U	4.3	U
CD-SB-126 (4-5)	2/19/2009	4.7	U	4.7	U	4.7	U	4.7	U	4.7	U	4.7	U
CD-SB-127 (0-1)	2/19/2009	250	U	250	U	360		250	U	250	U	250	U
CD-SB-127 (4-5)	2/19/2009	4.4	U	4.4	U	2.3	J	4.4		4.4	U	4.4	U
CD-SB-128 (0-1)	2/19/2009	4.9	U	4.9	U	4.9	U	4.2	J	4.9	U	4.9	U
CD-SB-128 (0-1) DUP	2/19/2009	6	U	6	U	6	U	2.4	J	6	U	6	U
CD-SB-128 (3-4)	2/19/2009	4.7	U	4.7	U	4.7	U	4.7	U	4.7	U	4.7	U
CD-SB-129 (1-2)	4/8/2009	4.7	U	4.7	U	4.7	U	1	J	4.7	U	4.7	U
CD-SB-129 (4-5)	4/8/2009	4.6	U	4.6	U	4.6	U	0.71	J	4.6	U	4.6	U
CD-SB-129 (9-10)	4/8/2009	4.9	U	4.9	U	4.9	U	12		4.9	U	4.9	U
CD-SB-130 (1-2)	4/8/2009	2.5	J	6.7	U	6.2	J	1.9	J	6.7	U	6.7	U
CD-SB-130 (2-3)	4/8/2009	4	J	6.1	U	12	J	3.3	J	6.1	U	6.1	U
CD-SB-130 (4-5)	4/8/2009	1.3	J	4.7	U	1.3	J	0.56	J	4.7	U	4.7	U
CD-SB-131 (1-2)	4/8/2009	5.2	U	5.2	U	2	J	1.8	J	5.2	U	5.2	U
CD-SB-131 (2-3)	4/8/2009	4.8	U	4.8	U	4.8	U	0.65	J	4.8	U	4.8	U
CD-SB-131 (4-5)	4/8/2009	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U	4.4	U
CD-SB-133 (1-2)	4/8/2009	4.9	U	4.9	U	4.9	U	5.4		4.9	U	4.9	U
CD-SB-133 (2-3)	4/8/2009	1.2	J	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
CD-SB-133 (4-5)	4/8/2009	5.5	U	5.5	U	5.5	U	0.82	J	5.5	U	5.5	U
CD-SB-134 (1-2)	4/8/2009	380	U	380	U	45	J	380	U	380	U	380	U
CD-SB-134 (2-3)	4/8/2009	2.2	J	7.1	U	3.5	J	7.1	U	7.1	U	7.1	U
CD-SB-134 (4-5)	4/8/2009	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U
CD-SB-135 (1-2)	4/8/2009	2.5	J	8	U	6.7	J	1.1	J	8	U	8	U
CD-SB-135 (2-3)	4/8/2009	6.1	U	6.1	U	4.5	J	0.51	J	6.1	U	6.1	U
CD-SB-135 (4-5)	4/8/2009	1.6	J	5.5	U	1.7	J	0.62	J	5.5	U	5.5	U
CD-SB-136 (1-2)	4/8/2009	4.7	U	4.7	U	3.7	J	2.1	J	4.7	U	4.7	U
CD-SB-136 (2-3)	4/8/2009	1.8	J	5	U	5.2		0.94	J	5	U	5	U
CD-SB-136 (4-5)	4/8/2009	1.2	J	4.8	U	1.8	J	2.7	J	4.8	U	4.8	U

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SAMPLE ID		trans-1,4-Dichloro-2-butene		Trichloroethene		Trichlorofluoromethane		Vinyl acetate		Vinyl chloride		Xylenes (total)	
CD-SB-21 (0-1)	12/13/2007	190	U	6000		190	U	380	U	190	U	380	U
CD-SB-21 (4-5)	12/13/2007	3.9	U	3.6	J	3.9	U	7.8	U	3.9	U	7.8	U
CD-SB-21 (9-10)	12/13/2007	4.5	U	4.5	U	4.5	U	9	U	4.5	U	9	U
CD-SB-21B (0-1)	6/4/2008	950	U	31000		950	U	1900	U	950	U	1900	U
CD-SB-105 (0-1)	12/16/2008	730	U	28000		730	U	1500	U	730	U	130	J
CD-SB-105 (2-3)	12/16/2008	210	U	1100		210	U	410	U	210	U	410	U
CD-SB-106 (0-1)	12/16/2008	230	U	1700		230	U	450	U	230	U	450	U
CD-SB-106 (2-3)	12/16/2008	230	U	2800		230	U	470	U	230	U	470	U
CD-SB-107 (0-1)	12/16/2008	250	U	990		250	U	490	U	250	U	38	J
CD-SB-107 (2-3)	12/16/2008	230	U	570		230	U	460	U	230	U	460	U
CD-SB-108 (0-1)	12/16/2008	220	U	310		220	U	440	U	220	U	440	U
CD-SB-108 (0-1) DUP	12/16/2008	4.4	U	42		4.4	U	8.9	U	4.4	U	4.1	J
CD-SB-108 (2-3)	12/16/2008	5.1	U	3.4	J	5.1	U	10	U	5.1	U	10	U
CD-SB-109 (0-1)	12/16/2008	4.9	U	20		4.9	U	9.8	U	4.9	U	4.1	J
CD-SB-109 (2-3)	12/16/2008	250	U	670	J	250	U	500	U	250	U	17	J
CD-SB-110 (0-1)	12/16/2008	590	U	14000		590	U	1200	U	590	U	1200	U
CD-SB-110 (2-3)	12/16/2008	230	U	3900		230	U	460	U	230	U	460	U
CD-SB-111 (0-1)	12/16/2008	700	U	15000		700	U	1400	U	700	U	1400	U
CD-SB-111 (0-1) DUP	12/16/2008	820	U	20000		820	U	1600	U	820	U	1600	U
CD-SB-111 (2-3)	12/16/2008	1500	U	27000		1500	U	3000	U	1500	U	3000	U
CD-SB-111 (4-5)	1/12/2009	4.1	U	1.4	J	4.1	U	8.1	U	4.1	U	8.1	U
CD-SB-111 (9-10)	1/12/2009	4.8	U	7.1		4.8	U	9.7	U	4.8	U	9.7	U
CD-SB-113 (1-2)	1/12/2009	210	U	1300		210	U	410	U	210	U	14	J
CD-SB-113B (1-2)	1/12/2009	2600	U	29000		2600	U	5200	U	2600	U	5200	U
CD-SB-113B (2-3)	1/12/2009	400	U	3100		400	U	790	U	400	U	57	J
CD-SB-113B (4-5)	1/12/2009	210	U	1200		210	U	430	U	210	U	430	U
CD-SB-114 (0.5-1.0)	1/12/2009	770	U	14000		770	U	1500	U	770	U	1500	U
CD-SB-114 (2-3)	1/12/2009	4.4	U	1.8	J	4.4	U	8.8	U	4.4	U	8.8	U
CD-SB-114 (4-5)	1/12/2009	230	U	1900		230	U	460	U	230	U	460	U
CD-SB-114 (9-10)	4/8/2009	4.4	U	0.6	J	4.4	U	8.8	U	4.4	U	6.7	J
CD-SB-115 (1-2)	1/12/2009	780	U	12000		780	U	1600	U	780	U	1600	U
CD-SB-115 (2-3)	1/12/2009	4.7	U	21		4.7	U	9.3	U	4.7	U	1.9	J
CD-SB-115 (4-5)	1/12/2009	220	U	240		220	U	440	U	220	U	440	U
CD-SB-116 (1-2)	1/12/2009	780	U	17000	J	780	U	1600	U	780	U	1600	U
CD-SB-116 (2-3)	1/12/2009	190	U	240		190	U	390	U	190	U	390	U
CD-SB-116 (4-5)	1/12/2009	210	U	910		210	U	410	U	210	U	410	U
CD-SB-117 (1-2)	1/12/2009	270	U	2600		270	U	540	U	270	U	17	J
CD-SB-117 (2-3)	1/12/2009	280	U	2500		280	U	570	U	280	U	570	U
CD-SB-117 (4-5)	1/12/2009	4.7	U	5		4.7	U	9.3	U	4.7	U	2.3	J
CD-SB-118 (1-2)	1/12/2009	1200	U	1700		1200	U	2400	U	1200	U	2400	U
CD-SB-118 (2-3)	1/12/2009	240	U	490		240	U	480	U	240	U	480	U
CD-SB-118 (4-5)	1/12/2009	200	U	300		200	U	410	U	200	U	23	J
CD-SB-119 (1-2)	1/12/2009	230	U	100	J	230	U	470	U	230	U	470	U
CD-SB-119 (2-3)	1/12/2009	210	U	46	J	210	U	430	U	210	U	430	U

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SAMPLE ID		trans-1,4-Dichloro-2-butene		Trichloroethene		Trichlorofluoromethane		Vinyl acetate		Vinyl chloride		Xylenes (total)	
CD-SB-119 (4-5)	1/12/2009	4	U	3.5	J	4	U	8.1	U	4	U	8.1	U
CD-SB-120 (0-1)	2/19/2009	5.9	U	1.9	J	5.9	U	12	U	5.9	U	12	U
CD-SB-120 (4-5)	2/19/2009	4.2	U	9.4		4.2	U	8.3	U	4.2	U	1.7	J
CD-SB-121 (0-1)	2/19/2009	430	U	3100		430	U	860	U	430	U	860	U
CD-SB-121 (4-5)	2/19/2009	290	U	10000		290	U	580	U	290	U	580	U
CD-SB-121 (9-10)	4/8/2009	4.4	U	18		4.4	U	8.9	U	4.4	U	2.1	J
CD-SB-122 (0-1)	2/19/2009	1100	U	25000		1100	U	2300	U	1100	U	2300	U
CD-SB-122 (0-1) DUP	2/19/2009	360	U	8200		360	U	730	U	360	U	730	U
CD-SB-122 (4-5)	2/19/2009	5.1	U	180		5.1	U	10	U	5.1	U	10	U
CD-SB-123 (0-1)	2/19/2009	4.4	U	3.3	J	4.4	U	8.8	U	4.4	U	5.8	J
CD-SB-123 (4-5)	2/19/2009	4.8	U	2.8	J	4.8	U	9.5	U	4.8	U	2.7	J
CD-SB-123 (9)	2/19/2009	220	U	220	U	220	U	430	U	220	U	430	U
CD-SB-124 (0-1)	2/19/2009	7.3	U	7.3	U	7.3	U	15	U	7.3	U	15	U
CD-SB-124 (2-3)	2/19/2009	5.4	U	5.4	U	5.4	U	11	U	5.4	U	11	U
CD-SB-125 (0-1)	2/19/2009	370	U	13000		370	U	740	U	370	U	68	J
CD-SB-125 (4-5)	2/19/2009	3.8	U	0.32	J	3.8	U	7.7	U	3.8	U	7.7	U
CD-SB-126 (0-1)	2/19/2009	4.3	U	9.6		4.3	U	8.6	U	4.3	U	4.9	J
CD-SB-126 (4-5)	2/19/2009	4.7	U	1	J	4.7	U	9.5	U	4.7	U	9.5	U
CD-SB-127 (0-1)	2/19/2009	250	U	100	J	250	U	510	U	250	U	510	U
CD-SB-127 (4-5)	2/19/2009	4.4	U	3	J	4.4	U	8.9	U	4.4	U	2.4	J
CD-SB-128 (0-1)	2/19/2009	4.9	U	4.9	U	4.9	U	9.8	U	4.9	U	2.3	J
CD-SB-128 (0-1) DUP	2/19/2009	6	U	6	U	6	U	12	U	6	U	12	U
CD-SB-128 (3-4)	2/19/2009	4.7	U	4.7	U	4.7	U	9.3	U	4.7	U	9.3	U
CD-SB-129 (1-2)	4/8/2009	4.7	U	0.86	J	4.7	U	9.4	U	4.7	U	9.4	U
CD-SB-129 (4-5)	4/8/2009	4.6	U	4.6	U	4.6	U	9.3	U	4.6	U	9.3	U
CD-SB-129 (9-10)	4/8/2009	4.9	U	4.9	U	4.9	U	9.8	U	4.9	U	10	
CD-SB-130 (1-2)	4/8/2009	6.7	U	6.7	U	6.7	U	13	U	6.7	U	13	U
CD-SB-130 (2-3)	4/8/2009	6.1	U	3.3	J	6.1	U	12	U	6.1	U	1.2	J
CD-SB-130 (4-5)	4/8/2009	4.7	U	0.84	J	4.7	U	9.3	U	4.7	U	9.3	U
CD-SB-131 (1-2)	4/8/2009	5.2	U	12		5.2	U	10	U	5.2	U	10	U
CD-SB-131 (2-3)	4/8/2009	4.8	U	4.2	J	4.8	U	9.6	U	4.8	U	9.6	U
CD-SB-131 (4-5)	4/8/2009	4.4	U	0.6	J	4.4	U	8.8	U	4.4	U	8.8	U
CD-SB-133 (1-2)	4/8/2009	4.9	U	4.9	U	4.9	U	9.9	U	4.9	U	3.1	J
CD-SB-133 (2-3)	4/8/2009	5.3	U	5.3	U	5.3	U	11	U	5.3	U	11	U
CD-SB-133 (4-5)	4/8/2009	5.5	U	5.5	U	5.5	U	11	U	5.5	U	11	U
CD-SB-134 (1-2)	4/8/2009	380	U	420		380	U	750	U	380	U	170	J
CD-SB-134 (2-3)	4/8/2009	7.1	U	20		7.1	U	14	U	7.1	U	14	U
CD-SB-134 (4-5)	4/8/2009	5.1	U	1.3	J	5.1	U	10	U	5.1	U	10	U
CD-SB-135 (1-2)	4/8/2009	8	U	3.1	J	8	U	16	U	8	U	16	U
CD-SB-135 (2-3)	4/8/2009	6.1	U	1.9	J	6.1	U	12	U	6.1	U	12	U
CD-SB-135 (4-5)	4/8/2009	5.5	U	1	J	5.5	U	11	U	5.5	U	11	U
CD-SB-136 (1-2)	4/8/2009	4.7	U	1.2	J	4.7	U	9.4	U	4.7	U	1.1	J
CD-SB-136 (2-3)	4/8/2009	5	U	1.2	J	5	U	10	U	5	U	10	U
CD-SB-136 (4-5)	4/8/2009	4.8	U	0.45	J	4.8	U	9.6	U	4.8	U	1.7	J

Table 3 cont.
C&D Technologies
Attica, IN
Area 9 Volatile Organic Soil Data

Notes:

All results reported in micrograms per kilogram (ug/kg).

J = Compound detected below the quantitation limit, but above the MDL.

UJ = Analyte is considered not detected for QA/validation reason.

U = Not Detected.

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Table 4
C&D Technologies
Attica, IN
Residential Area Inorganics Soil Data

SAMPLE ID		Arsenic		Lead	
CD-SB-62 (4-5)	12/17/2008	10.6		23.8	
CD-SB-64 (4-5)	12/17/2008	7.3		125	
CD-SB-74 (0-1)	3/24/2008	4.9		164	
CD-SB-75 (0-1)	3/24/2008	8.5		203	
CD-SB-75 (4-5)	12/17/2008	10.6		21.4	
CD-SB-76 (0-1)	3/24/2008	8.3		170	
CD-SB-77 (0-1)	3/24/2008	6.7		80.5	
CD-SB-77 (0-1) DUP	3/24/2008	8.3		178	
CD-SB-77 (4-5)	12/17/2008	5.4		81.7	
CD-SB-78 (0-1)	3/24/2008	9.8		280	
CD-SB-78 (4-5)	12/17/2008	12.8		17	
CD-SB-79 (0-1)	3/24/2008	9.4		253	
CD-SB-80 (0-1)	3/24/2008	6.8		126	
CD-SB-80 (4-5)	12/17/2008	24.4		63.9	
CD-SB-81 (0-1)	3/24/2008	8.4		217	
CD-SB-82 (0-1)	3/24/2008	7.1		176	
CD-SB-83 (0-1)	3/24/2008	6.7		130	
CD-SB-83 (4-5)	12/17/2008	8.4		13.3	
CD-SB-84 (0-1)	3/24/2008	13.8		126	
CD-SB-84 (0-1) DUP	3/24/2008	13.7		109	
CD-SB-84 (4-5)	12/17/2008	11.6		20.5	
CD-SB-85 (0-1)	3/24/2008	7.2		146	
CD-SB-86 (0-1)	3/24/2008	8.5		170	

Notes:

All results reported in milligrams per kilogram (mg/kg).

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ATTACHMENT 2
Data Validation Reports

US EPA ARCHIVE DOCUMENT

C&D Attica Sampling December 2008 – Soil and Groundwater

Laboratory SDG: A8L190178

Reviewer: Peter Ciarleglio

Date Reviewed: 01/15/09

Guidance: C&D RFI Region V QAPP

This is part of the follow-up sampling for C&D Attica. Samples collected from December, 2008 and later are to receive this data review, which includes the criteria contained in this report. This sample group consisted of 9 soil samples including one field duplicate, 10 MW samples including one field duplicate, plus one equipment blank and one trip blank.

Lab ID Number	Sample Identification #
A8L190178001	CD-SB-78B (4-5)
A8L190178002	CD-SB-64B (4-5)
A8L190178003	CD-SB-80B (4-5)
A8L190178004	CD-SB-62B (4-5)
A8L190178005	CD-SB-84B (4-5)
A8L190178006	CD-SB-83B (4-5)
A8L190178007	CD-SB-83B-DUP (4-5)
A8L190178008	CD-SB-75B (4-5)
A8L190178009	CD-SB-77B (4-5)
A8L190178010	CD-SB-EQBLK-2
A8L190178011	CD-MW-3
A8L190178012	CD-MW-8S
A8L190178013	CD-MW-10S
A8L190178014	CD-MW-9S
A8L190178015	CD-MW-4
A8L190178016	CD-MW-4S
A8L190178017	CD-MW-6S
A8L190178018	CD-MW-2
A8L190178019	CD-MW-2 DUP
A8L190178020	CD-MW-2S
A8L190178021	TRIP BLANK 12/17/08

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC?

Yes.

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2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Yes, the laboratory case narrative indicated that some compounds were detected in the method blank. Also, 2-clorovinyl ether cannot reliably be detected in acid preserved samples. The MS/MSD samples were not from this sample group.

The cooler receipt form indicated did not indicate any problems.

3.0 Holding Times

Were samples extracted/analyzed within QAPP limits?

Yes

Field ID	Parameter	Analyte	Qualification
N/A			

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

Yes. They are listed in the Table below.

Blank ID	Parameter	Analyte	Concentration	Units
8357021	6020 metals	Barium	0.73B	ug/L
8357021	6020 metals	Copper	0.40B	ug/L
8357021	6020 metals	Zinc	5.0	ug/L
8357021	6020 metals	Dissolved copper	0.40	ug/L

Qualifications due to blank contamination are included in the validation spreadsheet, which has been submitted for entry into the C&D database. Analytical data that were reported nondetect or at concentrations greater than five times (5X) the associated blank concentration (10X for common laboratory contaminants) did not require qualification.

Field ID	Parameter	Analyte	New RL	Qualification
Qualifiers in val sheet; database				

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5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

Yes

LCS ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
N/A					

Analytical data that required qualification based on LCS data are included in the table below. Analytical data which were reported as nondetect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Field ID	Parameter	Analyte	Qualification
N/A			

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

Yes.

Field ID	Parameter	Surrogate	Recovery	Criteria
NA				

Analytical data that required qualification based on surrogate data are included in the table below. Analytical data which was associated with quality control samples or which were reported as nondetect and associated with surrogate recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Field ID	Parameter	Analyte	Qualification
N/A			

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples reported as part of this SDG?

Yes

Were MS/MSD recoveries within evaluation criteria?

No. The following MS/MSD recoveries or RPDs did not meet lab QC limits.

MS/MSD ID	Para-meter	Analyte	MS/MSD Recovery	RPD	MS/MSD/RPD Criteria
NA					

Analytical data that required qualification based on MS/MSD data are included in the table below. The MS/MSD recoveries for inorganic compounds with sample concentrations greater than four times (4X) the matrix spike concentration did not require evaluation or qualification.

Field ID	Parameter	Analyte	Qualification

8.0 Laboratory Duplicate Results

Were laboratory duplicate samples collected as part of this SDG?

Yes

Were laboratory duplicate sample RPDs within criteria?

Yes

Field ID	Parameter	Analyte	RPD	Criteria
N/A				

Data qualified due to outlying laboratory duplicate recoveries are identified below:

Field ID	Parameter	Analyte	Qualification
N/A			

9.0 Field Duplicate Results

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Were field duplicate samples collected as part of this SDG?

Yes

Field ID	Field Duplicate ID
CD-SB-83B (4-5)	CD-SB-83B-DUP (4-5)
CD-MW-2	CD-MW-2 DUP

Were field duplicates within evaluation criteria?

Yes.

Field ID	Field Duplicate ID	Analyte	RPD	Qualification
NA				

10.0 Sample Dilutions

For samples that were diluted and nondetect, were undiluted results also reported?

Yes.

The following table identifies the analyses which were reported as nondetect, diluted, and an undiluted run ***was not*** reported:

Field ID	Parameter	Dilution Factor
NA		

11.0 Additional Qualifications

Were additional qualifications applied?

No

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C&D Attica Sampling December 2008 - Groundwater

Laboratory SDG: A8L190169

Reviewer: Peter Ciarleglio

Date Reviewed: 01/12/09

Guidance: C&D RFI Region V QAPP

This is part of the follow-up sampling for C&D Attica. Samples collected from December, 2008 and later are to receive this data review, which includes the criteria contained in this report. This sample group consisted of 6 MW samples including one field duplicate, one equipment blank, and one trip blank.

Lab ID Number	Sample Identification #
A8L190169001	CD-MW-7S
A8L190169002	CD-MW-5
A8L190169003	CD-MW-1
A8L190169004	CD-MW-1S
A8L190169005	CD-MW-1S DUP
A8L190169006	CD-MW-EQBLK
A8L190169007	Trip Blank 121808

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC?

Yes.

2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Yes, the laboratory case narrative indicated that some compounds were detected in the method blank. Also, 2-clorovinyl ether cannot reliably be detected in acid preserved samples. The MS/MSD samples were not from this sample group.

The cooler receipt form indicated did not indicate any problems.

3.0 Holding Times

Were samples extracted/analyzed within QAPP limits?

Yes

Field ID	Parameter	Analyte	Qualification
N/A			

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

Yes. the high range method blank was contaminated with 120 ug/kg acetone, and the trip blank had small "J" qualified detections for chloroform and dichlorodifluoromethane. Acetone and chloroform are classified as common laboratory contaminants.

Blank ID	Parameter	Analyte	Concentration	Units
8364366	Method 8260B	1,2 dichlorobenzene	0.13J	ug/L
8364366	Method 8260B	1,4 dichlorobenzene	0.15J	ug/L
8357022	6020 metals	Barium	0.53B	ug/L
8357022	6020 metals	Copper	0.41B	ug/L
8357022	6020 metals	Zinc	4.0	ug/L
8357022	6020 metals	Dissolved copper	0.41	ug/L

Qualifications due to blank contamination are included in the validation spreadsheet, which has been submitted for entry into the C&D database. Analytical data that were reported nondetect or at concentrations greater than five times (5X) the associated blank concentration (10X for common laboratory contaminants) did not require qualification.

Field ID	Parameter	Analyte	New RL	Qualification
Qualifiers in val sheet; database				

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

Yes

LCS ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
N/A					

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Analytical data that required qualification based on LCS data are included in the table below. Analytical data which were reported as nondetect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Field ID	Parameter	Analyte	Qualification
N/A			

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

Yes.

Field ID	Parameter	Surrogate	Recovery	Criteria
NA				

Analytical data that required qualification based on surrogate data are included in the table below. Analytical data which was associated with quality control samples or which were reported as nondetect and associated with surrogate recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Field ID	Parameter	Analyte	Qualification
N/A			

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples reported as part of this SDG?

No.

Were MS/MSD recoveries within evaluation criteria?

NA.

MS/MSD ID	Para-meter	Analyte	MS/MSD Recovery	RPD	MS/MSD/RPD Criteria
NA					

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MS/MSD ID	Para-meter	Analyte	MS/MSD Recovery	RPD	MS/MSD/RPD Criteria

Analytical data that required qualification based on MS/MSD data are included in the table below. The MS/MSD recoveries for inorganic compounds with sample concentrations greater than four times (4X) the matrix spike concentration did not require evaluation or qualification.

Field ID	Parameter	Analyte	Qualification

8.0 Laboratory Duplicate Results

Were laboratory duplicate samples collected as part of this SDG?

No.

Were laboratory duplicate sample RPDs within criteria?

NA

Field ID	Parameter	Analyte	RPD	Criteria
N/A				

Data qualified due to outlying laboratory duplicate recoveries are identified below:

Field ID	Parameter	Analyte	Qualification
N/A			

9.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

Yes

Field ID	Field Duplicate ID
CD-MW-1S	CD-MW-1S DUP

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Were field duplicates within evaluation criteria?

Yes

Field ID	Field Duplicate ID	Analyte	RPD	Qualification
NA				

10.0 Sample Dilutions

For samples that were diluted and nondetect, were undiluted results also reported?

Yes.

The following table identifies the analyses which were reported as nondetect, diluted, and an undiluted run ***was not*** reported:

Field ID	Parameter	Dilution Factor
NA		

11.0 Additional Qualifications

Were additional qualifications applied?

No

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C&D Attica Sampling December 2008 - Soil

Laboratory SDG: A8L170173

Reviewer: Peter Ciarleglio

Date Reviewed: 01/09/09

Guidance: C&D RFI Region V QAPP

This is part of the follow-up sampling for C&D Attica. Samples collected from December, 2008 and later are to receive this data review, which includes the criteria contained in this report. This sample group consisted of 16 soil samples including two field duplicates, one equipment blank, and one trip blank. Samples were analyzed for Method 8260 volatiles (App. IX).

Lab ID Number	Sample Identification #
A8L170173001	CD-SB-105 (0-1)
A8L170173002	CD-SB-105 (2-3)
A8L170173003	CD-SB-106 (0-1)
A8L170173004	CD-SB-106 (2-3)
A8L170173005	CD-SB-107 (0-1)
A8L170173006	CD-SB-107 (2-3)
A8L170173007	CD-SB-108 (0-1)
A8L170173008	CD-SB-108 (0-1) DUP
A8L170173009	CD-SB-108 (2-3)
A8L170173010	CD-SB-109 (0-1)
A8L170173011	CD-SB-109 (2-3)
A8L170173012	CD-SB-110 (0-1)
A8L170173013	CD-SB-110 (2-3)
A8L170173014	CD-SB-111 (0-1)
A8L170173015	CD-SB-111 (0-1) DUP
A8L170173016	CD-SB-111 (2-3)
A8L170173017	CD-SB-EQBLK
A8L170173018	TRIP BLANK

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC?

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Yes.

2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Yes, the laboratory case narrative indicated that some compounds in the Method 8260B MS/MSD did not meet lab generated recovery criteria.

The cooler receipt form indicated did not indicate any problems.

3.0 Holding Times

Were samples extracted/analyzed within QAPP limits?

Yes

Field ID	Parameter	Analyte	Qualification
N/A			

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

Yes, the high range method blank was contaminated with 120 ug/kg acetone, and the trip blank had small "J" qualified detections for chloroform and dichlorodifluoromethane. Acetone and chloroform are classified as common laboratory contaminants.

Blank ID	Parameter	Analyte	Concentration	Units
Trip blank	8260B	Chloroform	0.30	ug/kg
Trip blank	8260B	dichlorodifluoromethane	0.50	ug/kg
835690	8260B	Acetone	120	ug/kg

Qualifications due to blank contamination are included in the table below. Analytical data that were reported nondetect or at concentrations greater than five times (5X) the associated blank concentration (10X for common laboratory contaminants) did not require qualification.

Field ID	Parameter	Analyte	New RL	Qualification
CD-SB-109 (0-1)	8260B	Chloroform	**4.9**	UJ

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

Yes

LCS ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
N/A					

Analytical data that required qualification based on LCS data are included in the table below. Analytical data which were reported as nondetect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Field ID	Parameter	Analyte	Qualification
N/A			

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

Yes.

Field ID	Parameter	Surrogate	Recovery	Criteria
NA				

Analytical data that required qualification based on surrogate data are included in the table below. Analytical data which was associated with quality control samples or which were reported as nondetect and associated with surrogate recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Field ID	Parameter	Analyte	Qualification
N/A			

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples reported as part of this SDG?

Yes, sample CD-SB-109 (2-3) was selected as the MS/MSD for the sample group.

Were MS/MSD recoveries within evaluation criteria?

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No.

MS/MSD ID	Para-meter	Analyte	MS/MSD Recovery	RPD	MS/MSD/RPD Criteria
CD-SB-109 (2-3)	8260B	Acrolein	**36/34**	0.38	50-150,30
CD-SB-109 (2-3)	8260B	dichlorodifluoromethane	**25/25**	4.2	50-150,30
CD-SB-109 (2-3)	8260B	Iodomethane	**65/68**	2.6	70-130,30
CD-SB-109 (2-3)	8260B	trichloroethene	121/**172**	23	46-143,23

Analytical data that required qualification based on MS/MSD data are included in the table below. The MS/MSD recoveries for inorganic compounds with sample concentrations greater than four times (4X) the matrix spike concentration did not require evaluation or qualification.

Field ID	Parameter	Analyte	Qualification
CD-SB-109 (2-3)	8260B	Acrolein	**UJ**
CD-SB-109 (2-3)	8260B	dichlorodifluoromethane	**UJ**
CD-SB-109 (2-3)	8260B	Iodomethane	**UJ**
CD-SB-109 (2-3)	8260B	trichloroethene	**J**

8.0 Laboratory Duplicate Results

Were laboratory duplicate samples collected as part of this SDG?

Yes

Were laboratory duplicate sample RPDs within criteria?

Yes

Field ID	Parameter	Analyte	RPD	Criteria
N/A				

Data qualified due to outlying laboratory duplicate recoveries are identified below:

Field ID	Parameter	Analyte	Qualification
N/A			

9.0 Field Duplicate Results

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Were field duplicate samples collected as part of this SDG?

Yes

Field ID	Field Duplicate ID
CD-SB-108 (0-1)	CD-SB-108 (0-1)DUP
CD-SB-111 (0-1)	CD-SB-111 (0-1)DUP

Were field duplicates within evaluation criteria?

No.

Field ID	Field Duplicate ID	Analyte	RPD	Qualification
CD-SB-108 (0-1)	CD-SB-108 (0-1)DUP	trichloroethene	**152%**	**DUP**

10.0 Sample Dilutions

For samples that were diluted and nondetect, were undiluted results also reported?

No, many soil samples had to be analyzed using the high range tetracore sample due to high trichloroethene concentration. These included samples A8L170173-001 through -007, and A8L170173-011 through -016. This was not considered consequential, since previous data had identified TCE as the main volatile compound of concern for the site.

The following table identifies the analyses which were reported as nondetect, diluted, and an undiluted run ***was not*** reported:

Field ID	Parameter	Dilution Factor
NA		

11.0 Additional Qualifications

Were additional qualifications applied?

No

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US EPA ARCHIVE DOCUMENT

C&D Attica Sampling January 2009 – Soil (1/12/09)

Laboratory SDG: A9A140170

Reviewer: Peter Ciarleglio

Date Reviewed: 03/10/09

Guidance: C&D RFI Region V QAPP

The soil samples were collected from the C&D Attica site on 1/12/09. This is part of the follow-up sampling for C&D Attica. Samples collected after November, 2008 are to receive this data review, which includes the criteria contained in this report. This SG consisted of the soil and/or GW samples, and also IDW or blanks listed in the following table.

Lab ID Number	Sample Identification #
A9A140170001	CD-SB-113 (1-2)
A9A140170002	CD-SB-113B (2-3)
A9A140170003	CD-SB-113B (4-5)
A9A140170004	CD-SB-113B (1-2)
A9A140170005	CD-SB-115 (1-2)
A9A140170006	CD-SB-115 (2-3)
A9A140170007	CD-SB-115 (4-5) + MS/MSD
A9A140170008	CD-SB-116 (1-2)
A9A140170009	CD-SB-116 (2-3)
A9A140170010	CD-SB-116 (4-5)
A9A140170011	CD-SB-117 (1-2)
A9A140170012	CD-SB-117 (2-3)
A9A140170013	CD-SB-117 (4-5)
A9A140170014	CD-SB-118 (1-2)
A9A140170015	CD-SB-118 (2-3)
A9A140170016	CD-SB-118 (4-5)
A9A140170017	CD-SB-119 (1-2)
A9A140170018	CD-SB-119 (2-3) + MS/MSD
A9A140170019	CD-SB-119 (4-5)
A9A140170020	CD-SB-114 (0.5-1.0)
A9A140170021	CD-SB-114 (2-3)
A9A140170022	CD-SB-114 (4-5)
A9A140170023	CD-SB-111 (4-5)
A9A140170024	CD-SB-111 (9-10)
A9A140170025	CD-EQBLK
A9A140170026	CD-SB-119 (2-3)DUP
A9A140170027	CD-SB-114 (4-5)DUP
A9A140170028	CD-SB-113B (1-2)DUP
A9A140170029	TRIP BLANK-A40
A9A140170030	TRIP BLANK-C269

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC?

Yes. Due to a mix-up in instructions, URS field personnel did not follow the project labeling protocol for field duplicates and other samples. The table below lists the samples as labeled in the field, followed by the correct field name.

Name Applied in Field	Correct Sample Identification #
DUP-1	CD-SB-119 (2-3)DUP
DUP-2	CD-SB-114 (4-5)DUP
DUP-3	CD-SB-113B (1-2)DUP
CD-SB-113 1-2	CD-SB-113 (1-2)
CD-SB-113B 2-3	CD-SB-113B (2-3)
CD-SB-113B 4-5	CD-SB-113B (4-5)
CD-SB-113B 1-2	CD-SB-113B (1-2)
CD-SB-115 1-2	CD-SB-115 (1-2)
CD-SB-115 2-3	CD-SB-115 (2-3)
CD-SB-115 4-5	CD-SB-115 (4-5)
CD-SB-116 1-2	CD-SB-116 (1-2)
CD-SB-116 2-3	CD-SB-116 (2-3)
CD-SB-116 4-5	CD-SB-116 (4-5)
CD-SB-117 1-2	CD-SB-117 (1-2)
CD-SB-117 2-3	CD-SB-117 (2-3)
CD-SB-117 4-5	CD-SB-117 (4-5)
CD-SB-118 1-2	CD-SB-118 (1-2)
CD-SB-118 2-3	CD-SB-118 (2-3)
CD-SB-118 4-5	CD-SB-118 (4-5)
CD-SB-119 1-2	CD-SB-119 (1-2)
CD-SB-119 2-3	CD-SB-119 (2-3)
CD-SB-119 4-5	CD-SB-119 (4-5)
CD-SB-114 0.5-1.0	CD-SB-114 (0.5-1.0)
CD-SB-114 2-3	CD-SB-114 (2-3)
CD-SB-114 4-5	CD-SB-114 (4-5)
CD-SB-111 4-5	CD-SB-111 (4-5)
CD-SB-111 9-10	CD-SB-111 (9-10)

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2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Yes.

The laboratory case narrative indicated that 2-clorovinyl ether cannot reliably be detected in acid preserved samples.

Sample(s) CD-SB-113B 2-3 had elevated reporting limits due to TICs.

The internal standard areas were outside acceptance limits for sample(s) CD-SB-117 (4-5), and CD-SB-119 (4-5) due to matrix effects.

"The matrix spike/matrix spike duplicate(s) for batch(es) 9019212 (Note: not a project sample) had recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary."

"For sample(s) CD-SB-116 (1-2) (A9A140170008) we received 3 vials containing sodium bisulfate, 2 of which contained sample and 1 that was sodium bisulfate only. For screening purposes, we used a bulk soil jar (plastic), and also created a methanol preserved vial from this same bulk jar (plastic). The one empty sodium bisulfate vial was archived. The methanol preserved vial was created aproximately 3 hours after holding time. Sampled 1-12-09 at 12:10. The sample was preserved at approximately 15:10 on 1-14-09."

The cooler receipt form did not indicate any problems.

3.0 Holding Times

Were samples extracted/analyzed within QAPP limits?

No. One sample was improperly preserved. The high range (methanol preserved) vial for sample CD-SB-116 (1-2) was apparently not included in the Terracore kit, which contained 3 sodium bisulfite vials. The field sampler left the third vial empty, since there was not a methanol preserved vial. The lab preserved some of the sample from the bulk jar used for total solids analysis, but this was from the wrong jar, and 3 hours out of holding time. The high level of volatile compounds in the sample required the high level analysis. It is likely the results from this sample are biased low.

Field ID	Parameter	Analyte	Qualification
CD-SB-116 (1-2)	8260 volatiles	tetrachloroethene	J
CD-SB-116 (1-2)	8260 volatiles	trichloroethene	J

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

Yes. Acetone, chloroform were detected in both trip blanks and the equipment blank. 2-butanone was also detected in the equipment blank.

Blank ID	Parameter	Analyte	Concentration	Units
CD-Equipblk 1/13/09	Volatiles	acetone	1.6J	ug/L
CD-Equipblk 1/13/09	Volatiles	chloroform	0.23J	ug/L
CD-Equipblk 1/13/09	Volatiles	. 2-butanone	1.5J	ug/L
Trip Blk-A40	Volatiles	acetone	1.4J	ug/L
Trip Blk-A40	Volatiles	chloroform	0.20J	ug/L
Trip Blk-C269	Volatiles	acetone	1.5J	ug/L
Trip Blk-C269	Volatiles	chloroform	0.19J	ug/L

Qualifications due to blank contamination are included in the validation spreadsheet, which has been submitted for entry into the C&D database. Analytical data that were reported nondetect or at concentrations greater than five times (5X) the associated blank concentration (10X for common laboratory contaminants) did not require qualification. It is difficult to equate trip and equipment blanks in a water matrix to concentrations in soils, particularly high range soil analysis, due to the high dilution factors. Acetone and chloroform are classified as common laboratory and field contaminants. For this report, any "J" qualified result for any of the above compounds will be qualified "UJ", meaning the compound should be considered non-detected at the reported value, and any detections less than 5X the reporting limit (10X for common lab contaminants) will be qualified "J", that is an estimated value.

Field ID	Parameter	Analyte	New RL	Qualification
Qualifiers in val sheet; database				

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

Yes

LCS ID	Parameter	Analyte	LCS/LCSD	RPD	LCS/LCSD/RPD

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			Recovery		Criteria
N/A					

Analytical data that required qualification based on LCS data are included in the table below. Analytical data which were reported as nondetect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Field ID	Parameter	Analyte	Qualification
N/A			

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

Yes.

Field ID	Parameter	Surrogate	Recovery	Criteria
NA				

Analytical data that required qualification based on surrogate data are included in the table below. Analytical data which was associated with quality control samples or which were reported as nondetect and associated with surrogate recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Field ID	Parameter	Analyte	Qualification
N/A			

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples reported as part of this SDG?

No. Two MS/MSD samples were designated, and two Terracore kits were collected for each sample, which is normally enough. However, the samples were high in target compounds, and the medium level (methanol preserved) samples were required for the analysis. There were not enough methanol preserved vials to perform MS/MSD and the samples.

Were MS/MSD recoveries within evaluation criteria?

NA

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MS/MSD ID	Para-meter	Analyte	MS/MSD Recovery	RPD	MS/MSD/RPD Criteria
NA					

Analytical data that required qualification based on MS/MSD data are included in the table below. The MS/MSD recoveries for inorganic compounds with sample concentrations greater than four times (4X) the matrix spike concentration did not require evaluation or qualification.

Field ID	Parameter	Analyte	Qualification
NA			

8.0 Laboratory Duplicate Results

Were laboratory duplicate samples collected as part of this SDG?

Yes

Were laboratory duplicate sample RPDs within criteria?

Yes

Field ID	Parameter	Analyte	RPD	Criteria
N/A				

Data qualified due to outlying laboratory duplicate recoveries are identified below:

Field ID	Parameter	Analyte	Qualification
N/A			

9.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

Yes

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Field ID	Field Duplicate ID
CD-SB-119 (2-3)	CD-SB-119 (2-3)DUP
CD-SB-114 (4-5)	CD-SB-114 (4-5)DUP
CD-SB-113B (1-2)	CD-SB-113B (1-2)DUP

Were field duplicates within evaluation criteria?

No, using a 50% RPD criteria for soils.

Field ID	Field Duplicate ID	Analyte	RPD	Qualification
CD-SB-119 (2-3)	CD-SB-119 (2-3)DUP	tetrachloroethene	**59.5**	**DUP**

10.0 Sample Dilutions

For samples that were diluted and nondetect, were undiluted results also reported?

Yes. Some samples required dilution due to high concentrations of several target compounds. These samples could not be analyzed undiluted without damage to the analytical system.

The following table identifies the analyses which were reported as nondetect, diluted, and an undiluted run ***was not*** reported:

Field ID	Parameter	Dilution Factor
NA		

11.0 Additional Qualifications

Were additional qualifications applied?

No. The internal standard 1,4-dichlorobenzene-d4 had low area counts in samples CD-SB-117 (4-5) and CD-SB-119 (4-5). Results detected above the reporting limit that were calculated from this IS would be qualified "J" as estimated values. However, all compounds detected above the reporting limit were calculated from a different IS.

Field ID	Parameter	Analyte	Qualification
NA			

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C&D Attica Sampling February 2009

Laboratory SDG: A9B200201

Reviewer: Peter Ciarleglio

Date Reviewed: 03/12/09

Guidance: C&D RFI Region V QAPP and the NFG for Data Review

The soil samples were collected from the C&D Attica site on 2/19/09. This is part of the follow-up sampling for C&D Attica. Samples collected after November, 2008 are to receive this data review, which includes the criteria contained in this report. This SG consisted of the soil and/or GW samples, and also IDW or blanks listed in the following table.

Lab ID Number	Sample Identification #
A9B200201001	CD-SB-120(0-1)
A9B200201002	CD-SB-120(4-5)
A9B200201003	CD-SB-121(0-1)
A9B200201004	CD-SB-121(4-5)
A9B200201005	CD-SB-122(0-1)
A9B200201006	CD-SB-122(0-1)DUP
A9B200201007	CD-SB-122(4-5)
A9B200201008	CD-SB-123(0-1)
A9B200201009	CD-SB-123(4-5)
A9B200201010	TRIP BLANK021909
A9B200201011	CD-SB-123(9)
A9B200201012	CD-SB-124(0-1)
A9B200201013	CD-SB-124(2-3)
A9B200201014	CD-SB-125(0-1)
A9B200201015	CD-SB-125(4-5)
A9B200201016	CD-SB-126(0-1)
A9B200201017	CD-SB-126(4-5)
A9B200201018	CD-SB-127(0-1)
A9B200201019	CD-SB-127(4-5)
A9B200201020	CD-SB-128(0-1)
A9B200201021	CD-SB-128(0-1)DUP
A9B200201022	CD-SB-128(3-4)

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC?

Yes.

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2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Yes.

Sample(s) CD-SB-123(9) had elevated reporting limits due to TICs.

The matrix spike/matrix spike duplicate(s) for CD-SB-128(3-4) had RPD's and recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

Surrogate recoveries were outside criteria for sample(s) CD-SB-121 (4-5). Due to insufficient sample volume, repreparation and reanalysis could not occur.

The internal standard areas were outside acceptance limits for sample(s) CD-SB-120 (4-5), CD-SB-123 (0-1), CD-SB-123 (4-5), CD-SB-124 (0-1), CD-SB-127 (4-5), CD-SB-128 (0-1), and CD-SB-128 (0-1) DUP due to matrix effects.

The cooler receipt form did not indicate any problems.

3.0 Holding Times

Were samples extracted/analyzed within QAPP limits?

Yes.

Field ID	Parameter	Analyte	Qualification
NA			

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

Yes. Acetone was detected in the medium range (methanol) method blank. Chloroform was detected in the trip blank. There was no equipment blank.

Blank ID	Parameter	Analyte	Concentration	Units
A9B240000-265	Volatiles	acetone	320J	ug/L
Trip Blk21909	Volatiles	chloroform	0.20J	ug/L

Qualifications due to blank contamination are included in the validation spreadsheet, which has been submitted for entry into the C&D database. Analytical data that were reported nondetect or at concentrations greater than five times (5X) the associated blank concentration (10X for common laboratory contaminants) did not require qualification. Acetone and chloroform are classified as common laboratory and field contaminants. It is difficult to equate trip and equipment blanks in a water matrix to concentrations in soils, particularly high range soil analysis, due to the high dilution factors. For this report, any "J" qualified result for chloroform will be qualified "UJ", meaning the compound should be considered non-detected at the reported value, and any detections less than 5X the reporting limit (10X for common lab contaminants) will be qualified "JB", meaning it is an estimated value.

Field ID	Parameter	Analyte	New RL	Qualification
Qualifiers in val sheet; database	8260	Acetone		UJ

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

Yes

LCS ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
N/A					

Analytical data that required qualification based on LCS data are included in the table below. Analytical data which were reported as nondetect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Field ID	Parameter	Analyte	Qualification
N/A			

6.0 Surrogate Recoveries

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Were surrogate recoveries within evaluation criteria?

No.

Field ID	Parameter	Surrogate	Recovery	Criteria
CD-SB-121(4-5)	8260 volatiles	Toluene-d8	**59%**	60-143

Analytical data that required qualification based on surrogate data are included in the table below. Analytical data which was associated with quality control samples or which were reported as nondetect and associated with surrogate recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. According to NF Guidelines, samples with only one surrogate outside control limits do not require qualification, unless the surrogate recovery is less than 10% on an undiluted sample.

Field ID	Parameter	Analyte	Qualification
N/A			

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples reported as part of this SDG?

Yes.

Were MS/MSD recoveries within evaluation criteria?

No

MS/MSD ID	Para-meter	Analyte	MS/MSD Recovery	RPD	MS/MSD/RPD Criteria
CD-SB-128(3-4)	volatiles	Acetone	**0/14**	X	10-200/66
CD-SB-128(3-4)	volatiles	1,2,4-TCB	99/77	**44**	50-150/20
CD-SB-128(3-4)	volatiles	1,2,3-TCB	99/77	**47**	50-150/20
CD-SB-128(3-4)	volatiles	styrene	71/43	**67**	23-136/60
CD-SB-128(3-4)	volatiles	1,2,3-trichloropropane	128/**138**	13	50-150/20

Analytical data that required qualification based on MS/MSD data are included in the table below. The MS/MSD recoveries for inorganic compounds with sample concentrations greater than four times (4X) the matrix spike concentration did not require evaluation or qualification. High MS/MSD recovery or high RPD for

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compounds not detected in the samples do not result in qualifiers.

Acetone was detected in the parent sample at greater concentration than the spike. This may have been due to contamination, but the low level method blank for acetone was clean. The high level blank however, was contaminated with 320 ug/kg. There was no field or equipment blank. Acetone was reported as detected in every low level analysis. Due to these problems, the acetone results for every low level sample were qualified "J".

Field ID	Parameter	Analyte	Qualification
Validation Qualifiers were recorded in val EDD	8260 volatiles	Acetone	**J**

8.0 Laboratory Duplicate Results

Were laboratory duplicate samples collected as part of this SDG?

Yes

Were laboratory duplicate sample RPDs within criteria?

Yes

Field ID	Parameter	Analyte	RPD	Criteria
N/A				

Data qualified due to outlying laboratory duplicate recoveries are identified below:

Field ID	Parameter	Analyte	Qualification
N/A			

9.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

Yes

Field ID	Field Duplicate ID

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CD-SB-122(0-1)	CD-SB-122(0-1)DUP
CD-SB-128(0-1)	CD-SB-128(0-1)DUP

Were field duplicates within evaluation criteria?

No, using a 50% RPD criteria for soils. The TCE results for CD-SB-122(0-1) and its duplicate were outside criteria, and straddled the environmental screening levels for this project.

Field ID	Field Duplicate ID	Analyte	RPD	Qualification
CD-SB-122(0-1)	CD-SB-122(0-1)DUP	trichloroethene	**101.2**	**DUP**

10.0 Sample Dilutions

For samples that were diluted and nondetect, were undiluted results also reported?

Yes. Some samples required dilution due to high concentrations of several target compounds. These samples could not be analyzed undiluted without damage to the analytical system.

The following table identifies the analyses which were reported as nondetect, diluted, and an undiluted run ***was not*** reported:

Field ID	Parameter	Dilution Factor
NA		

11.0 Additional Qualifications

Were additional qualifications applied?

Yes. The internal standard 1,4-dichlorobenzene-d4 had low area counts in several samples, but this IS was not used to quantitate any of the detected compounds. However, two samples, CD-SB-123 (4-5) and CD-SB-128 (0-1)DUP also had low area for chlorobenzene-d5. Results detected above the reporting limit that were calculated from this IS would be qualified "J" as estimated values, as in the table below.

Field ID	Parameter	Analyte	Qualification
CD-SB-123 (4-5)	8260 volatiles	tetrachlorethene	**J**
CD-SB-123 (4-5)	8260 volatiles	toluene	**J**

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C&D Attica Sampling April 2009

Laboratory SDG: A9D090227

Reviewer: Peter Ciarleglio

Date Reviewed: 04/28/09

Guidance: C&D RFI Region V QAPP and the NFG for Data Review

The soil samples were collected from the C&D Attica site on 4/08/09. This is part of the follow-up sampling for C&D Attica. Samples collected after November, 2008 are to receive this data review, which includes the criteria contained in this report. This SG consisted of the soil samples, and also IDW or blanks listed in the following table.

Lab ID Number	Sample Identification #
A9D090227001	CD-SB-135(1-2)
A9D090227002	CD-SB-135(2-3)
A9D090227003	CD-SB-135(4-5)
A9D090227004	CD-SB-136(1-2)
A9D090227005	CD-SB-136(2-3)
A9D090227006	CD-SB-136(4-5)
A9D090227007	CD-SB-131(1-2)DUP
A9D090227008	CD-SB-133(2-3)DUP
A9D090227009	CD-SB-114(9-10)
A9D090227010	CD-SB-121(9-10)
A9D090227011	CD-SB-129(1-2)
A9D090227012	CD-SB-129(4-5)DUP
A9D090227013	CD-SB-129(4-5)
A9D090227014	CD-SB-129(9-10)
A9D090227015	CD-SB-130(1-2)
A9D090227016	CD-SB-130(2-3)
A9D090227017	CD-SB-130(4-5)
A9D090227018	CD-SB-131(1-2)
A9D090227019	CD-SB-131(2-3)
A9D090227020	CD-SB-131(4-5)
A9D090227021	CD-SB-133(1-2)
A9D090227022	CD-SB-133(2-3)
A9D090227023	CD-SB-133(4-5)
A9D090227024	CD-SB-134(1-2)
A9D090227025	CD-SB-134(2-3)
A9D090227026	CD-SB-134(4-5)
A9D090227027	EQBLK
A9D090227028	TRIP BLANK 1
A9D090227029	TRIP BLANK 2

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1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC?

Yes.

2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Yes.

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

The matrix spike/matrix spike duplicate(s) for CD-SB-135(1-2) and CD-SB-114(9-10) had RPD's outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

The client specific or regulatory program requirements stated that corrective action must be performed for surrogate recoveries outside criteria. The repreparation and reanalysis also had surrogate recoveries outside criteria confirming probable matrix interference; Therefore, the original data are contained in the report for samples CD-SB-130(1-2), CDSB-130(2-3), CD-SB-133(1-2), CD-SB-133(2-3)DUP, CD-SB-133(4-5), and CD-SB-134(2-3).

The internal standard areas were outside acceptance limits for sample(s) CD-SB-130(1-2), CD-SB-130(2-3), CD-SB-131(1-2), CD-SB-133(1-2), CD-SB-133(2-3)DUP, CD-SB-133 (2-3), CD-SB-133(4-5), CD-SB-134(2-3), CD-SB-135(1-2) (MS/MSD), CD-SB-135(2-3), and CD-SB-136(2-3) due to matrix effects. (Refer to IS report following this case narrative for additional detail.)

The pH of sample(s) EQBLK was greater than 2. The sample was analyzed within the normal 14 day holding time; however, experimental evidence suggests that some aromatic compounds in wastewater samples, notably, Benzene, Toluene, and Ethylbenzene are susceptible to biological degradation of samples are not preserved to a pH of 2.

The cooler receipt form did not indicate any problems.

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3.0 Holding Times

Were samples extracted/analyzed within QAPP limits?

Yes.

Field ID	Parameter	Analyte	Qualification
NA			

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

Yes.

Blank ID	Parameter	Analyte	Concentration	Units
A9D130000-510	Volatiles-high range	2-butanone	130J	ug/kg
A9D150000-105	Volatiles	methylene chloride	0.70J	ug/L

Qualifications due to blank contamination were not required for this SDG. Analytical data that were reported nondetect or at concentrations greater than five times (5X) the associated blank concentration (10X for common laboratory contaminants) did not require qualification. Acetone, methylene chloride and chloroform are classified as common laboratory and field contaminants.

Field ID	Parameter	Analyte	New RL	Qualification
NA				

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

Yes

LCS ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
N/A					

Analytical data that required qualification based on LCS data are included in the table below. Analytical data which were reported as nondetect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Field ID	Parameter	Analyte	Qualification
N/A			

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No.

Field ID	Parameter	Surrogate	Recovery	Criteria
CD-SB-130(1-2)	volatiles	toluene-d8	**144**	60-143
CD-SB-130(2-3)	volatiles	toluene-d8	**162**	60-143
CD-SB-133(1-2)	volatiles	toluene-d8	**156**	60-143
CD-SB-133(4-5)	volatiles	toluene-d8	**150**	60-143
CD-SB-134(2-3)	volatiles	toluene-d8	**155**	60-143
CD-SB-133(2-3)DUP	volatiles	toluene-d8	**173**	60-143

Analytical data that required qualification based on surrogate data are included in the table below. Analytical data which was associated with quality control samples or which were reported as nondetect and associated with surrogate recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. According to NF Guidelines, samples with only one surrogate outside control limits do not require qualification, unless the surrogate recovery is less than 10% on an undiluted sample. Samples with high surrogate recovery do not affect target compounds not detected in the sample.

Field ID	Parameter	Analyte	Qualification
N/A			

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7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples reported as part of this SDG?

Yes.

Were MS/MSD recoveries within evaluation criteria?

No. High MS/MSD recoveries and high RPDs were noted for the majority of compounds in the MS/MSD for sample CD-SB-135(1-2), most likely due to a lab spiking error. They are too numerous to fit in the table below. Since high recovery and high RPD affects only detections above the reporting limit, the detected results affected by this problem were qualified for this sample only. The other MS/MSD had the following target compounds outside the laboratory control limits:

MS/MSD ID	Para-meter	Analyte	MS/MSD Recovery	RPD	MS/MSD/RPD Criteria
CD-SB-114(9-10)	vol	acrolein	**181/175**	6.2	50-130/30
CD-SB-114(9-10)	vol	trichloroethene	78/95	**28**	46-143/23
CD-SB-114(9-10)	vol	1,2,3-trichloropropane	125/**133**	16	70-130/30
CD-SB-114(9-10)	vol	trichlorofluoromethane	104/117	**21**	50-150/20

Analytical data that required qualification based on MS/MSD data are included in the table below. The MS/MSD recoveries for inorganic compounds with sample concentrations greater than four times (4X) the matrix spike concentration did not require evaluation or qualification. High MS/MSD recovery or high RPD for compounds not detected above the reporting limit in the samples do not result in qualifiers. The above QC exceedences did not result in any validation qualifiers.

Field ID	Parameter	Analyte	Qualification
NA			

8.0 Laboratory Duplicate Results

Were laboratory duplicate samples collected as part of this SDG?

Yes

Were laboratory duplicate sample RPDs within criteria?

Yes

Field ID	Parameter	Analyte	RPD	Criteria
N/A				

Data qualified due to outlying laboratory duplicate recoveries are identified below:

Field ID	Parameter	Analyte	Qualification
N/A			

9.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

Yes

Field ID	Field Duplicate ID
CD-SB-131(1-2)	CD-SB-131(1-2)DUP
CD-SB-133(2-3)	CD-SB-133(2-3)DUP
CD-SB-129(4-5)	CD-SB-129(4-5)DUP

Were field duplicates within evaluation criteria?

Yes, using a 50% RPD criteria for soils.

Field ID	Field Duplicate ID	Analyte	RPD	Qualification

10.0 Sample Dilutions

For samples that were diluted and nondetect, were undiluted results also reported?

Yes. Some samples required dilution due to high concentrations of several target compounds. These samples could not be analyzed undiluted without damage to the analytical system.

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The following table identifies the analyses which were reported as nondetect, diluted, and an undiluted run ***was not*** reported:

Field ID	Parameter	Dilution Factor
NA		

11.0 Additional Qualifications

Were additional qualifications applied?

Yes. The case narrative noted that several samples had internal standards with low area counts. This would affect compounds detected above the reporting limit that were quantified using that internal standard. The internal standard 1,4-dichlorobenzene-d4 had low area counts in several samples, but this IS was not used to quantitate any of the detected compounds. However, one sample, CD-SB-130(2-3) had low area counts for chlorobenzene-d5, and some affected results were quantified above the reporting limit. Results detected above the reporting limit that were calculated from this IS would be qualified "J" as estimated values, as in the table below.

Field ID	Parameter	Analyte	Qualification
CD-SB-130 (2-3)	8260 volatiles	tetrachlorethene	**J**

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ATTACHMENT 3
Select Area 9 Soil Boring Logs

Log of Borehole: CD-SB-111

Client: C&D Technologies
Project: C&D Technologies, Attica
Location: Attica, IN

Project No: 20500205
Drill Method: Geoprobe
Logged by: J. Eyers

Date: 1/12/09
Start Time: 1535

SUBSURFACE PROFILE			SAMPLE		
Depth (ft)	Symbol	Description	PID	Sample Depth	Well Construction
0		Ground Surface			
		Concrete	0.1	0-1	
		Brown silty sand, fill.	0.7	2-3	
			0.1	4-5	
5		Brown fine sand, gray mottling, moist.			
		Brown coarse sand and gravel, moist.			
10			0.1	9-10	
		Boring terminated at 10'			
15					
20					
25					
30					
35					
40					

Note: Descriptions are based on observations and hand testing of grab samples. Mechanical test were not performed unless otherwise stated.

Comments:

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One Corporate Centre, Suite 250
Franklin, TN 37067

Checked by: Craig Bernhoft

Log of Borehole: CD-SB-114

Client: C&D Technologies
Project: C&D Technologies, Attica
Location: Attica, IN

Project No: 20500205
Drill Method: Hand Auger
Logged by: D. Ward/J. Eyers

Date: 4/9/09
Start Time: 9:50

SUBSURFACE PROFILE			SAMPLE		
Depth (ft)	Symbol	Description	PID	Sample Depth	Well Construction
		Ground Surface			
0		Concrete	0.1	0.5-1.0	
		Dark brown-black fine sand and gravel dry.	0.1	2-3	
		Light brown fine sand dry, some light grey mottling.	0.2	4-5	
5		Boring terminated at 5'			
10					
15					
20					
25					
30					
35					
40					

Note: Descriptions are based on observations and hand testing of grab samples. Mechanical test were not performed unless otherwise stated.

Comments:

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Franklin, TN 37067

Checked by: Craig Bernhoft

Log of Borehole: CD-SB-121

Client: C&D Technologies
Project: C&D Technologies, Attica
Location: Attica, IN

Project No: 20500205
Drill Method: Hand Auger
Logged by: D. Ward

Date: 2/19/09
Start Time: 8:55

SUBSURFACE PROFILE			SAMPLE		
Depth (ft)	Symbol	Description	PID	Sample Depth	Well Construction
0		Ground Surface			
		Concrete	0.0	0-1	
		Dark brown clayey sand with gravel, moist.			
		Dark brown gravel fill with brick frag and wood chips.	0.0	4-5	
5		Boring terminated at 5'			
10					
15					
20					
25					
30					
35					
40					

Note: Descriptions are based on observations and hand testing of grab samples. Mechanical test were not performed unless otherwise stated.

Comments:

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Franklin, TN 37067

Checked by: Craig Bernoft

Log of Borehole: CD-SB-123

Client: C&D Technologies
Project: C&D Technologies, Attica
Location: Attica, IN

Project No: 20500205
Drill Method: Hand Auger
Logged by: K. Pulley

Date: 2/19/09
Start Time: 1215

SUBSURFACE PROFILE			SAMPLE		
Depth (ft)	Symbol	Description	PID	Sample Depth	Well Construction
		Ground Surface			
0		Concrete	0.1	0-1	
		Light brown fine gravel fill and coarse sand. Dark brown coarse sand with gravel, moist.			
		Same with more large gravel at 3'	0.0	4-5	
5		Dark brown coarse sand with some clay.			
		Dark brown silty clay, moist with few rocks.			
		Gray silty clay with gravel, wet. End boring at 9' due to auger refusal.	12.9	9	
10		Boring terminated at 9'			
15					
20					
25					
30					
35					
40					

Note: Descriptions are based on observations and hand testing of grab samples. Mechanical test were not performed unless otherwise stated.

Comments:

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1000 Corporate Centre Drive
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Franklin, TN 37067

Checked by: Craig Bernhoft

Log of Borehole: CD-SB-125

Client: C&D Technologies
Project: C&D Technologies, Attica
Location: Attica, IN

Project No: 20500205
Drill Method: Hand Auger
Logged by: K. Pulley

Date: 2/19/09
Start Time: 1515

SUBSURFACE PROFILE			SAMPLE		
Depth (ft)	Symbol	Description	PID	Sample Depth	Well Construction
		Ground Surface			
0		Concrete	0.0	0-1	
		Dark brown clayey coarse sand with gravel.			
		Brown sandy clay (med. sand) moist			
5			0.0	4-5	
		Boring terminated at 5'			
10					
15					
20					
25					
30					
35					
40					

Note: Descriptions are based on observations and hand testing of grab samples. Mechanical test were not performed unless otherwise stated.

Comments:

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Franklin, TN 37067

Checked by: Craig Bernhoft

Log of Borehole: CD-SB-127

Client: C&D Technologies
Project: C&D Technologies, Attica
Location: Attica, IN

Project No: 20500205
Drill Method: Hand Auger
Logged by: K. Pulley

Date: 2/19/09
Start Time: 1635

SUBSURFACE PROFILE			SAMPLE		
Depth (ft)	Symbol	Description	PID	Sample Depth	Well Construction
0		Ground Surface			
		Concrete	0.0	0-1	
		Dark brown clayey sand and gravel, moist.			
		Becoming light brown silty clay from 3-4.			
5			0.0	4-5	
		Boring terminated at 5'			
10					
15					
20					
25					
30					
35					
40					

Note: Descriptions are based on observations and hand testing of grab samples. Mechanical test were not performed unless otherwise stated.

Comments:

URS Corporation
1000 Corporate Centre Drive
One Corporate Centre, Suite 250
Franklin, TN 37067

Checked by: Craig Bernhoft

Log of Borehole: CD-SB-129

Client: C&D Technologies
Project: C&D Technologies, Attica
Location: Attica, IN

Project No: 20500205
Drill Method: Geoprobe
Logged by: D. Ward

Date: 4/9/09
Start Time: 1020

SUBSURFACE PROFILE			SAMPLE		
Depth (ft)	Symbol	Description	PID	Sample Depth	Well Construction
		Ground Surface			
0		Concrete	0.0	1-2	
		Gravel, black sand with clay.			
		No Recovery			
5		Fine sand and gravel.	0.0	4-5	
		No Recovery			
		Fine sand and gravel.			
10		Moist Reddish brown silty clay, some medium sand, moist.	0.0	9-10	
		Boring terminated at 10'.			
15					
20					
25					
30					
35					
40					

Note: Descriptions are based on observations and hand testing of grab samples. Mechanical test were not performed unless otherwise stated.

Comments:

URS Corporation
1000 Corporate Centre Drive
One Corporate Centre, Suite 250
Franklin, TN 37067

Checked by: Craig Bernhoft

Log of Borehole: CD-SB-135

Client: C&D Technologies
Project: C&D Technologies, Attica
Location: Attica, IN

Project No: 20500205
Drill Method: Hand Auger
Logged by: J. Eyers

Date: 4/18/09
Start Time: 1335

SUBSURFACE PROFILE			SAMPLE		
Depth (ft)	Symbol	Description	PID	Sample Depth	Well Construction
0		Ground Surface			
		Concrete	0.0	1-2	
		Black coarse sand and gravel.	0.0	2-3	
		Light brown fine sand.	0.0	4-5	
5		Boring terminated at 5'.			
10					
15					
20					
25					
30					
35					
40					

Note: Descriptions are based on observations and hand testing of grab samples. Mechanical test were not performed unless otherwise stated.

Comments:

URS Corporation
1000 Corporate Centre Drive
One Corporate Centre, Suite 250
Franklin, TN 37067

Checked by: Craig Bernhoft

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ATTACHMENT 4
ProUCL Output Sheet

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t-Test Site vs Background Comparison for Full Data Sets without NDs

User Selected Options

From File	WorkSheet.wst
Full Precision	OFF
Confidence Coefficient	95%
Substantial Difference (S)	0
Selected Null Hypothesis	Site or AOC Mean Less Than or Equal to Background Mean (Form 1)
Alternative Hypothesis	Site or AOC Mean Greater Than the Background Mean

Area of Concern Data: ARSENIC RESIDENTIAL SURFACE SOIL

Background Data: ARSENIC BACKGROUND SURFACE SOIL

Raw Statistics

	Site	Background
Number of Valid Samples	13	7
Number of Distinct Samples	11	7
Minimum	4.9	5
Maximum	13.8	10.5
Mean	8.285	8.129
Median	8.3	8.5
SD	2.098	1.768
SE of Mean	0.582	0.668

Site vs Background Two-Sample t-Test

H0: Mu of Site - Mu of Background <= 0

Method	DF	t-Test Value	Critical t (0.050)	P-Value
Pooled (Equal Variance)	18	0.167	1.734	0.435
Satterthwaite (Unequal Variance)	14.4	0.176	1.761	0.431

Pooled SD 1.994

Conclusion with Alpha = 0.050

* Student t (Pooled) Test: Do Not Reject H0, Conclude Site <= Background

* Satterthwaite Test: Do Not Reject H0, Conclude Site <= Background

Test of Equality of Variances

Numerator DF	Denominator DF	F-Test Value	P-Value
12	6	1.408	0.703

Conclusion with Alpha = 0.05

* Two variances appear to be equal

	General UCL Statistics for Full Data Sets	
User Selected Options		
From File	WorkSheet.wst	
Full Precision	OFF	
Confidence Coefficient	95%	
Number of Bootstrap Operations	2000	

AREA 15 ARSENIC 0 to 5 FT

General Statistics

Number of Valid Samples	6	Number of Unique Samples	6

Raw Statistics		**Log-transformed Statistics**	
Minimum	5.2	Minimum of Log Data	1.649
Maximum	24.4	Maximum of Log Data	3.195
Mean	10.75	Mean of log Data	2.229
Median	8.8	SD of log Data	0.564
SD	7.106		
Coefficient of Variation	0.661		
Skewness	1.856		

Relevant UCL Statistics

Normal Distribution Test		**Lognormal Distribution Test**	
Shapiro Wilk Test Statistic	0.791	Shapiro Wilk Test Statistic	0.92
Shapiro Wilk Critical Value	0.788	Shapiro Wilk Critical Value	0.788
Data appear Normal at 5% Significance Level		**Data appear Lognormal at 5% Significance Level**	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
95% Student's-t UCL	16.6	95% H-UCL	22.49
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	21.17
95% Adjusted-CLT UCL	17.87	97.5% Chebyshev (MVUE) UCL	25.75
95% Modified-t UCL	16.96	99% Chebyshev (MVUE) UCL	34.75
Gamma Distribution Test		**Data Distribution**	
k star (bias corrected)	1.902	**Data appear Normal at 5% Significance Level**	
Theta Star	5.653		
nu star	22.82		
Approximate Chi Square Value (.05)	12.96	**Nonparametric Statistics**	
Adjusted Level of Significance	0.0122	95% CLT UCL	15.52
Adjusted Chi Square Value	10.38	95% Jackknife UCL	16.6
		95% Standard Bootstrap UCL	14.94
Anderson-Darling Test Statistic	0.403	95% Bootstrap-t UCL	24.31
Anderson-Darling 5% Critical Value	0.701	95% Hall's Bootstrap UCL	38.11
Kolmogorov-Smirnov Test Statistic	0.21	95% Percentile Bootstrap UCL	15.47
Kolmogorov-Smirnov 5% Critical Value	0.334	95% BCA Bootstrap UCL	17.03
Data appear Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	23.4
		97.5% Chebyshev(Mean, Sd) UCL	28.87
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	39.61
95% Approximate Gamma UCL	18.94		
95% Adjusted Gamma UCL	23.64		
Potential UCL to Use		**Use 95% Student's-t UCL**	16.6