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July 2, 2013

Ms. Pamela J. Langston Scully, P.E.
Remedial Project Manager
United States Environmental Protection Agency, Region IV
Atlanta Federal Center
61 Forsyth Street, S.W.
Atlanta, GA 30303-3104

Re: Alternative Removal Action Workplan for the 510 Legrande Street and 0 and 505 Ashley Street Properties
Anniston PCB Site (Docket No. 1:02-cv-0749-KOB)
Anniston, Alabama

Dear Ms. Langston Scully:

On behalf of Solutia Inc. (Solutia) and Pharmacia LLC (collectively, P/S), as parties to the Partial Consent Decrees (PCD) (Docket No. 1:02-cv-0749-KOB), please find enclosed five (5) hard copies and five (5) electronic copies of the Alternative Removal Action Workplan for the 510 Legrande Street and 0 and 505 Ashley Street Properties. This Alternative Removal Action Workplan has been prepared in accordance with the requirements of the Stipulation and Agreement of the Parties (Section II, 7.) and addresses the implementation of an alternative removal response action at three contiguous properties located at 510 Legrande Street, 0 Ashley Street (Tax ID 11-22-01-12-03-1-36, PPIN # 32325), and 505 Ashley Street.

P/S request a meeting with the United States Environmental Protection Agency (EPA) for the purpose of discussing the Alternative Removal Action Workplan prior to the EPA providing comments on the plan. P/S propose to conduct this meeting with the EPA on July 16, 2013.

Please do not hesitate to contact me at 256-231-8404 with any questions or comments that you may have concerning this meeting.

Sincerely,

E. Gayle Macolly
Manager, Remedial Projects

cc: Mr. Chip Crockett (ADEM)
Mr. G. Douglas Jones, Esq.
Mr. Thomas Dahl

Enclosures

ALTERNATIVE REMOVAL ACTION WORKPLAN FOR THE 510 LEGRANDE STREET AND 0 AND 505 ASHLEY STREET PROPERTIES

FOR THE

ANNISTON PCB SITE
(Docket No. 1:02-cv-0749-KOB)

Prepared for:

United States Environmental Protection Agency
Waste Management Division
Atlanta Federal Center
61 Forsyth Street, S.W.
Atlanta, GA 30303

Prepared by:

Solutia Inc. and Pharmacia LLC
702 Clydesdale Avenue
Anniston, Alabama 36201

July 2, 2013
Revision 0.0

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1.0 INTRODUCTION

This Alternative Removal Action Workplan has been prepared in accordance with the requirements of the Stipulation and Agreement of the Parties (Stipulation and Agreement) clarifying the Partial Consent Decree (PCD) (Docket No. 1:02-cv-749-KOB) between the United States Environmental Protection Agency (EPA), Solutia Inc. (Solutia) and Pharmacia LLC (formerly known as Pharmacia Corporation) (collectively, P/S) for the Anniston PCB Site located in Anniston, Alabama. The Stipulation and Agreement was signed by all parties and presented to the United States District Court for the Northern District of Alabama by the Special Masters on July 18, 2006.

This Workplan addresses the implementation of an alternative removal response action at three contiguous properties located at 510 Legrande Street, 0 Ashley Street (Tax ID 11-22-01-12-03-1-36, PPIN # 32325), and 505 Ashley Street (collectively referred to as the Site).[1] The location of these properties in relation to the Solutia facility Operable Unit 3 (OU-3) boundary is shown on Figure 1. As discussed in the next section of this Workplan, these three properties meet the criteria included in Section II, 7. of the Stipulation and Agreement for properties that are more appropriately addressed through an alternative removal response action. P/S have developed this Workplan to provide a description of the proposed response action to be implemented. In this report, additional information has been provided for 508 Legrande Street although the sampling results for this property are all less than 1 milligram per kilogram (mg/kg), and a removal response action is not required. The results are presented, since there is a survey discrepancy between P/S' surveyor and the Calhoun County tax records regarding the boundary for 510 Legrande. The data are presented to show the extent of PCB impacts to the south of 510 Legrande Street.

Following this introduction, this Workplan is divided into the following sections:

- Background and Rationale;
- Data Collection and Summary of Results;
- Proposed Alternative Removal Response Action;
- Summary; and
- References.

[1] While the Stipulation and Agreement only addressed responsibilities for residential properties, this Workplan is submitted without prejudice to P/S's ability to establish that the properties covered by this Workplan should be addressed as non-residential properties for the purpose of any potential response or remedial actions that may be required in the future or that such properties are not included within the "Anniston PCB Site" under the PCD.

2.0 BACKGROUND AND RATIONALE

On October 27, 2000, Solutia and the EPA signed an Administrative Order on Consent (AOC [amended in 2001]) that included, among other requirements, a time-critical Removal Order for the sampling and cleanup of residential properties located in specified zones near the Solutia facility and/or local creeks (EPA, 2000). Under the Removal Order, the criterion for determining whether a residential property would be subject to a response action was based on the concentration of PCBs detected in composite samples collected from surface soil at the properties. A response action was required at residential properties with PCB concentrations of 10 mg/kg or greater.

The non-time-critical (NTC) Removal Agreement, which is Appendix G of the PCD (EPA, 2002a), is the second step in the residential property cleanup program and relies on the EPA's October 2002 Streamlined Risk Evaluation (SRE) in determining the surface soil residential cleanup level for total PCBs (EPA, 2002b). The SRE determined that a PCB concentration below 1.0 mg/kg in surface soils is protective for unrestricted land use.

The Stipulation and Agreement was entered in 2006 to clarify the overall responsibilities, phasing and extent for residential removal actions to be completed. In addition, under Specific Provisions, Section II. 7., the Stipulation and Agreement allows for the implementation of an alternate removal response action to clean up residential properties meeting the following criteria:

1. The residential property was utilized as a dumping or disposal site and is not occupied by any person; and
2. Sampling indicates PCB concentrations in any yard within the residential property are greater than fifty (50) mg/kg or lead concentrations in any portion of the yard are greater than five (5) milligrams per liter (mg/L) as measured by the Toxic Characteristic Leaching Procedure (TCLP); and
3. The yard(s) within the residential property that meet the criteria set out in (2) above encompass an area greater than one quarter of an acre in size, either individually or combined and have a depth to be cleaned that is greater than one foot.

Based on field observations performed during sampling activities and the analytical sampling results discussed in Section 3.0, the three contiguous Site properties at 510 Legrande Street, 0 Ashley Street (Tax ID 11-22-01-12-03-1-36), and 505 Ashley Street meet the criteria listed above for properties that are more appropriately addressed through an alternative removal response action. P/S have based these findings on the following:

- The three properties are currently unoccupied, and the former structures on the 510 Legrande property have been demolished by Calhoun County due to their dilapidated and

uninhabitable condition. A portion of these properties, where elevated levels of PCBs and lead were identified, is a fill area containing auto fluff and other debris. The Site has been identified as a dump site for the former U.S. Reduction facility (see Figure 1) that was previously located across and north of the railroad tracks (a description/delineation of the dump site is included in Section 3.1);

- The properties contain soil with both PCB concentrations above 50 mg/kg and TCLP lead concentrations above 5 mg/L; and
- The area identified as a fill area or dump site containing elevated concentrations of PCBs and lead encompasses more than one quarter of an acre in size, and the impacted soil extends to a depth greater than one foot.

Therefore, P/S are submitting this Workplan as a petition to the EPA to allow for an alternate response action to address the concentrations of PCBs and lead present at these properties.

3.0 DATA COLLECTION AND SUMMARY OF RESULTS

Twelve five-point composite surface soil samples (3070A, 3070B, 3070C, 3070D, 3070E, 3109A, 3109B, 3109C, 3109D, 3194A, 3194B, and 3194C) were obtained by P/S from the three Site properties as shown in Figure 2 and analyzed for PCBs and lead prior to Calhoun County demolishing the structures on the 510 Legrande property.

Sample locations were recorded using Global Positioning System (GPS) surveying where feasible (in non-wooded areas), or estimated on aerial image maps for samples collected in wooded areas. The initial samples were collected from the ground surface to a depth of three inches using hand tools in accordance with the procedures identified in the NTC Removal Action Supplemental Sampling and Analysis Plan (SSAP), Revision 2.0 (Golder, 2004b).

The measured concentration of PCBs in surface soil samples at six of the locations evaluated (3070A, 3070B, 3109A, 3109D, 3194A, and 3194B) were below 1.0 mg/kg, and no further sampling was required in accordance with the NTC Removal Agreement. However, the results from surface samples collected at six additional locations (3070C, 3070D, 3070E, 3109B, 3109C, and 3194C) were equal to or greater than 1.0 mg/kg. These six locations are located within the limits of the dump site area as presented in Section 3.1.

Following demolition and removal of the two structures from 510 Legrande Street, two additional composite samples were collected in these areas from the ground surface to a depth of three inches (3070F and 3070G) as shown on Figure 2. The measured concentrations of PCBs in these samples were 1.0 and 6.34 J (estimated) mg/kg, respectively, for 3070F and 3070G.

In accordance with the SSAP (Golder, 2004b), depth soil sampling is required in areas with surface sample results at or above 1.0 mg/kg. To date, depth soil samples have been collected in 12-inch increments beginning from 12 inches below ground surface (bgs) for five of the eight areas identified as containing PCBs at or greater than 1.0 mg/kg in surface soil. Depth soil samples from the other three areas with surface soil PCB concentrations at or above 1.0 mg/kg will be collected prior to completion of the proposed alternative removal action. In accordance with the SSAP, densely vegetated or wooded sub-parcel areas originally classified as unsuitable for removal based on the SSAP criteria that become cleared as part of the current work or other means will trigger the performance of depth soil sampling.

The procedures followed for collecting depth soil samples are included in the SSAP (Golder, 2004b). Depth soil samples were collected at the location of the previous surface samples using a hand auger, spade or shovel, or a Direct Push Technique (DPT) drill rig with a tube sampler equipped with a dedicated vinyl acetate liner. In some instances, a test pit was excavated using a backhoe, and the soil samples were collected at the specified depth using hand tools. If the laboratory results from the 12- to 24-inch depth interval (first depth interval sampled) sample indicated PCB concentrations of 10 mg/kg or greater, subsequent 12-inch depth interval samples (i.e., 24 to 36 inches, and 36 to 48 inches, as necessary) were collected until the measured PCB concentrations were below 10 mg/kg.

The three Site properties are bounded by:

- the approximately 25 feet wide Caldwell Avenue right of way to the north,
- the approximately 60 feet wide Legrande Street right of way to the east,
- the approximately 60 feet wide Ashley St. right of way to the west,
- the unimpacted 508 Legrande Street property along the eastern portion of the south boundary, and
- by the unimpacted southern portions of 505 Ashley Street along the western portion of the south boundary.

The results of the PCB and lead analyses for the three Site properties and 508 Legrande St. are summarized in Table 1 and shown on Figure 2. Laboratory analytical results are included in Appendix A. The following sections provide a summary of the data collected.

3.1 Delineation of Auto Fluff (U.S. Reduction) Dump Site

Once waste materials were identified at the Site, P/S investigated the nature and extent of these materials located on the three properties. A P/S representative interviewed the current property owner of 510 Legrande Street. The property owner indicated that the waste material was auto fluff debris from the former U.S. Reduction facility. Auto fluff (or auto shedder residue, ASR) debris is a by-product of the auto recycling process, composed of the remaining automotive components following separation of the ferrous elements. The primary source of materials shredded to produce auto fluff come from automobiles, trucks, buses, and common household appliances. Auto fluff is typically a complex mixture of non-ferrous materials including plastics, foam, textiles, rubber and glass. Auto fluff is well documented in the literature to be a source of

both PCBs and lead. Example references documenting auto fluff as a source for PCBs and lead include: EIP Associates (1997), Federal Register (2007), UNEP Chemicals (1999), Oregon Department of Environmental Quality (2003).

The U.S. Reduction facility was previously located across and north of the railroad tracks, as shown on Figure 1. P/S conducted additional investigations including test pit excavations, hand auger borings, and DPT borings to estimate the horizontal and vertical extents of the auto fluff (U.S. Reduction) dump area, as presented on Figures 3 and 4. Pictures of the waste materials encountered in the test pit excavations are included in Appendix B. Soil sample logs indicating the presence of scrap materials and debris are included in Appendix C. Figure 5 has been provided to show the extent of PCBs at the Site and on adjacent residential properties between the Site and the Solutia Plant.

3.2 PCB Concentrations

PCB-containing soil was encountered on these properties to depths of six feet bgs. Composite samples collected at the surface were found to have PCB concentrations ranging from:

- 0.52 J mg/kg to 6.34 J mg/kg at 510 Legrande Street, and
- 0.23 mg/kg to 3.73 mg/kg at 0 Ashley Street.
- 0.56 mg/kg to 2.2 J mg/kg at 505 Ashley Street

At six of the sample locations (3070A, 3070B, 3109A, 3109D, 3194A, and 3194B), the measured concentration of PCBs was below the action level of 1.0 mg/kg and no further action was required to address PCB impacts. For the impacted areas, the higher PCB concentrations were found at depth, approximately one to five feet bgs when depth sampling was conducted. Measured PCB concentrations in the depth samples were found to range from:

- 1.99 mg/kg to 64.9 J mg/kg at 510 Legrande Street,
- 0.41 J mg/kg to 70 mg/kg at 0 Ashley Street, and
- Depth samples have not been collected yet at the 505 Ashley Street property.

As shown on Figure 2, the PCB concentration distribution for composite samples collected at these three properties is as follows:

	Number of Samples With Reported PCB Concentrations			
Depth Below Ground Surface	**< 1 mg/kg**	**1 to < 10 mg/kg**	**10 to < 50 mg/kg**	**≥ 50 mg/kg**
0 to 0.25 feet	6	8	0	0
1 to 2 feet	0	1	3	1
2 to 3 feet	0	0	2	2
3 to 4 feet	0	1	2	1
4 to 5 feet	1	0	1	1
> 5 feet	0	2	0	0
Note – Cell shading indicates a non-zero value				

3.3 Lead Concentrations

Elevated lead concentrations were encountered on these properties to depths of six feet bgs. Composite samples collected at the surface were found to have lead concentrations ranging from:

- 140 mg/kg to 870 mg/kg at 510 Legrande Street,
- 110 mg/kg to 960 mg/kg at 0 Ashley Street, and
- 160 mg/kg to 270 J mg/kg at 505 Ashley Street.

Measured lead concentrations were below the action level of 400 mg/kg at the same six sampling locations (3070A, 3070B, 3109A, 3109D, 3194A, and 3194B) that did not exceed the removal action level for PCBs, and additionally at sampling locations 3070F and 3194C, which had PCB surface concentrations of 1.0 and 2.2 J mg/kg, respectively. Therefore, as shown on Figure 2, these six areas (3070A, 3070B, 3109A, 3109D, 3194A, and 3194B) have been designated as non-impacted areas, and no further sampling or response actions are required according to the NTC Removal Agreement (EPA, 2002a) and the Stipulation and Agreement (EPA, 2006).

Measured lead concentrations in the depth samples for 510 Legrande and 0 Ashley Street ranged from 19 mg/kg to 13,000 J mg/kg and 1,400 mg/kg to 3,900 J mg/kg, respectively.

Additionally, TCLP analysis for lead was generally conducted at sample locations with lead concentrations above 400 mg/kg, and concentrations ranged from 1.2 mg/L to 170 J mg/L and 0.2 mg/L to 73 J mg/L for 510 Legrande and 0 Ashley Street, respectively.

As shown on Figure 2, the lead concentration distribution for composite samples collected at these properties is as follows:

	Number of Samples With Reported Lead Concentrations				
Depth Below Ground Surface	**<400 mg/kg**	**400 to < 1,000 mg/kg**	**1,000 to < 5,000 mg/kg**	**≥ 5,000 mg/kg**	**TCLP ≥ 5 mg/L**
0 to 0.25 feet	9	5	0	0	0
1 to 2 feet	0	0	4	0	2
2 to 3 feet	0	0	3	0	1
3 to 4 feet	0	1	0	1	2
4 to 5 feet	0	0	2	0	2
> 5 feet	2	0	0	1	- (1)
Note – Cell shading indicates a non-zero value					

Note:

(1) No TCLP analyses were completed for samples collected at this depth since removal of this material would not be required under the NTC Removal Agreement, i.e., PCB concentrations are less than 10 mg/kg, and lead removals are limited to a depth of two feet.

4.0 PROPOSED ALTERNATIVE REMOVAL RESPONSE ACTION

The alternative removal response action proposed for these properties consists of the removal of the surface soils (upper 12 inches), replacement with clean fill whose upper portion shall be capable of supporting vegetative growth, and re-establishment of vegetation in disturbed areas. Removal action activities will be performed for areas where composite surface samples show PCBs at levels greater than or equal to 1.0 mg/kg. The areas to be remediated are shown on Figures 2 and 3, and represent a spatial area of 1.21 acres. The current workplan proposes to clear impacted portions of the Site, originally classified as unsuitable for removal according to the SSAP, such that the three Site properties will not remain within the Interim Institutional Control (IC) program following completion of the workplan activities. The only exception would be for the southern portion of 505 Ashley Street (3194C). Since only a small portion of this area overlies the dump site and the composite sample result may have been biased based on this area, P/S propose to sub-divide 3194C and collect additional samples to determine the extent of the area that contains surface soils with PCB concentrations greater than 1 mg/kg.

Excavation and backfill activities will be conducted in general accordance with the NTC Removal Action Residential Soil Removal Work Plan (RSRWP) (Golder, 2004a), except as noted below:

- The approved NTC Removal Action RSRWP requires removal of impacted soil at depth where PCB concentrations exceed 10 mg/kg, whereas this Workplan proposes the excavation and replacement of soil to a maximum depth of one foot bgs, irrespective of PCB concentrations at depth, due to the presence of auto fluff waste debris.

- A geotextile marker layer will be installed within the excavation limits prior to replacement with clean fill to mark the extents of the proposed removal action.

- The proposed removal action limits are shown on Figures 2 and 3. As is typical for residential removals, the limits of removal at times extend beyond the property boundaries, specifically extending into the right of way areas to the west of 0 Ashley Street and to the east of 510 Legrande Street to more fully capture the delineated limits of waste in areas not expected to have significant conflicts for removal. As noted on Figure 3, the proposed removal limits do not include the Caldwell Avenue right of way area to the north of the Site as this area contains multiple known utility conflicts and potentially encroaches on the Southern Railroad right of way.

- Soils characterized in accordance with the NTC Removal Action SSAP and shown to contain total PCB concentrations of less than 10 mg/kg and TCLP lead concentrations less than 5.0 mg/L are approved for disposal on property owned by Solutia adjacent to the Facility, known as the South Staging and Soil Management Area (SSSMA). Based upon the surface sample results collected from 0 to 3 inches

bgs, all soil within the proposed removal limits (upper 12 inches) meet the criteria for disposal at the SSSMA. However, samples at depth collected within the auto fluff debris contained concentrations of PCBs and lead that would not be suitable for disposal at the SSSMA. As such, during the removal action, the excavated material will be visually inspected upon removal and auto fluff debris waste will be segregated from the excavated materials. Prior to shipping this debris off Site, this material will be field screened to determine the appropriate disposal location and analyzed for TCLP lead as dictated by the receiving facilities' requirements.

All other activities will be conducted in accordance with the NTC Removal Action RSRWP (Golder 2004a) and Addendum No. 1 (Golder, 2006a).

5.0 SUMMARY

The intent of the current Workplan is to meet the requirements included in Section II, 7. of the Stipulation and Agreement, which provide provisions for consideration of alternative removal response actions for conditions such as those found at the Site. This workplan presents details and procedures for the removal and replacement of surface (upper 12 inches) soils within the impacted areas of the 510 Legrande Street and 0 and 505 Ashley Street properties as shown on Figure 3. Implementing the proposed workplan will reduce the potential long-term risk of human and ecological exposure to these materials and provide a soil barrier over impacted materials (auto-fluff debris and soils) at depth. Additionally, the use of erosion controls during construction and permanent vegetation after construction will minimize migration of impacted soil during implementation of the alternative response action.

6.0 REFERENCES

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TABLE

TABLE 1
SUMMARY OF PCB AND LEAD CONCENTRATIONS IN SOIL SAMPLES
FROM THE ASHLEY AND LEGRANDE PROPERTIES

Parcel ID	Source	Sample ID	Sample Type	QA Type	Field DTM	Yard	Depth of Sample (feet)		Total PCB (mg/kg)	Total PCB Qualifier	Lead (mg/kg)	Lead Qualifier	Lead TCLP (mg/L)	Lead TCLP Qualifier
							From	To						
510 Legrande Street	P/S	3070-3A	Composite	Original	5/9/2005	Front	0	0.25	0.7	J	150			
		3070-3B	Composite	Original	5/9/2005	Back	0	0.25	0.52	J	140			
		3070-3C	Composite	Original	5/9/2005	Misc/Side	0	0.25	1.14		750			
		3070-3C	Composite	Original	4/15/2008	Misc/Side	0	0.25					2.1	
		3070-3D	Composite	Original	5/9/2005	Misc/Side	0	0.25	5.91		870			
		3070-3D	Composite	Original	4/15/2008	Misc/Side	0	0.25					1.2	
		3070-3E	Composite	Original	5/9/2005	Misc/Side	0	0.25	2.08		370			
		3070-3F	Composite	Original	4/28/2010	Demo	0	0.25	1		140	J		
		3070-3G	Composite	Original	4/28/2010	Demo	0	0.25	6.34	J	770	J	4.2	
		3070-24C	Composite	Original	6/8/2005	Misc/Side	1	2	40.3		2700	J		
		3070-24D	Composite	Original	6/8/2005	Misc/Side	1	2	52.5		3800	J		
		3070-24E	Composite	Original	6/8/2005	Misc/Side	1	2	41.8	J				
		3070-36C	Composite	Original	8/24/2005	Misc/Side	2	3	20.8		2200	J	73	J
		3070-36C-X	Composite	Field Duplicate	8/24/2005	Misc/Side	2	3	21		1400	J	38	J
		3070-36D	Composite	Original	8/24/2005	Misc/Side	2	3	54.7	J	1600	J		
		3070-36E	Composite	Original	8/24/2005	Misc/Side	2	3	61					
		3070-48C	Composite	Original	8/24/2005	Misc/Side	3	4	4.04		910	J	170	J
		3070-48D	Composite	Original	8/24/2005	Misc/Side	3	4	42.2		13000	J	76	J
		3070-48E	Composite	Original	8/24/2005	Misc/Side	3	4	32					
		3070-60D	Composite	Original	4/15/2008	Misc/Side	4	5	33.5		1600		8.2	
		3070-60E	Composite	Original	4/15/2008	Misc/Side	4	5	18.3	J	1200		3	
		3070-60E-X	Composite	Field Duplicate	4/15/2008	Misc/Side	4	5	64.9	J	1000		5.3	
		3070-72D	Composite	Original	4/15/2008	Misc/Side	5	6	2.14		61			
		3070-72E	Composite	Original	4/15/2008	Misc/Side	5	6	1.99		5200			
		3070-84E	Composite	Original	4/15/2008	Misc/Side	6	7			19			
		3070-CS	Grab	Original	6/8/2005	Crawl Sp.			1.411	J				
0 Ashley Street Tax ID (11-22-01-12-03-1-36)	P/S	3109-3A	Composite	Original	5/17/2007	Misc/Side	0	0.25	0.23		110			
		3109-3B	Composite	Original	5/17/2007	Misc/Side	0	0.25	1.35		650		0.2	
		3109-3C	Composite	Original	5/17/2007	Misc/Side	0	0.25	3.73		960		2.3	
		3109-3D	Composite	Original	4/21/2009	P. Unsuit	0	0.25	0.89		170	J		
		3109-24B	Composite	Original	8/2/2007	Misc/Side	1	2	7.73	J	3900	J	31	J
		3109-24B-X	Composite	Field Duplicate	8/2/2007	Misc/Side	1	2	8.82	J	3000	J	73	J
		3109-24C	Composite	Original	8/2/2007	Misc/Side	1	2	16.9		3600	J	37	J
		3109-36B	Composite	Original	8/22/2007	Misc/Side	2	3			1400			
		3109-36C	Composite	Original	8/22/2007	Misc/Side	2	3	15.4					
		3109-48C	Composite	Original	8/22/2007	Misc/Side	3	4	70					
		3109-60C	Composite	Original	8/22/2007	Misc/Side	4	5	0.405	J				
505 Ashley Street	P/S	3194-3A	Composite	Original	5/17/2007	All	0	0.25	0.56		160			
		3194-3B	Composite	Original	4/22/2009	P. Unsuit	0	0.25	0.75	J	210	J		
		3194-3C	Composite	Original	4/22/2009	P. Unsuit	0	0.25	2.2	J	270	J		
508 Legrande Street	P/S	3251-3A	Composite	Original	4/28/2005	All	0	0.25	0.799	J	170			
		3251-3B	Composite	Original	4/28/2005	All	0	0.25	0.51	J	130			

Notes

1. This table does not include data from grab samples collected by EPA as those samples were not collected in accordance with the five point composite sampling methods required under the NTC Removal Agreement (EPA, 2002a).

FIGURES

LEGEND

- SITE
- SOLUTIA FACILITY

0 600 1,200 2,400
Feet

Golder Associates
Atlanta, Georgia

SCALE	AS SHOWN
DATE	06/13
DESIGN	-
GIS	RJC
CHECK	GLH
REVIEW	TIR
FILE No.	0433746-Fig1_Site Loc
PROJECT No.	043-3746RES
REV.	0

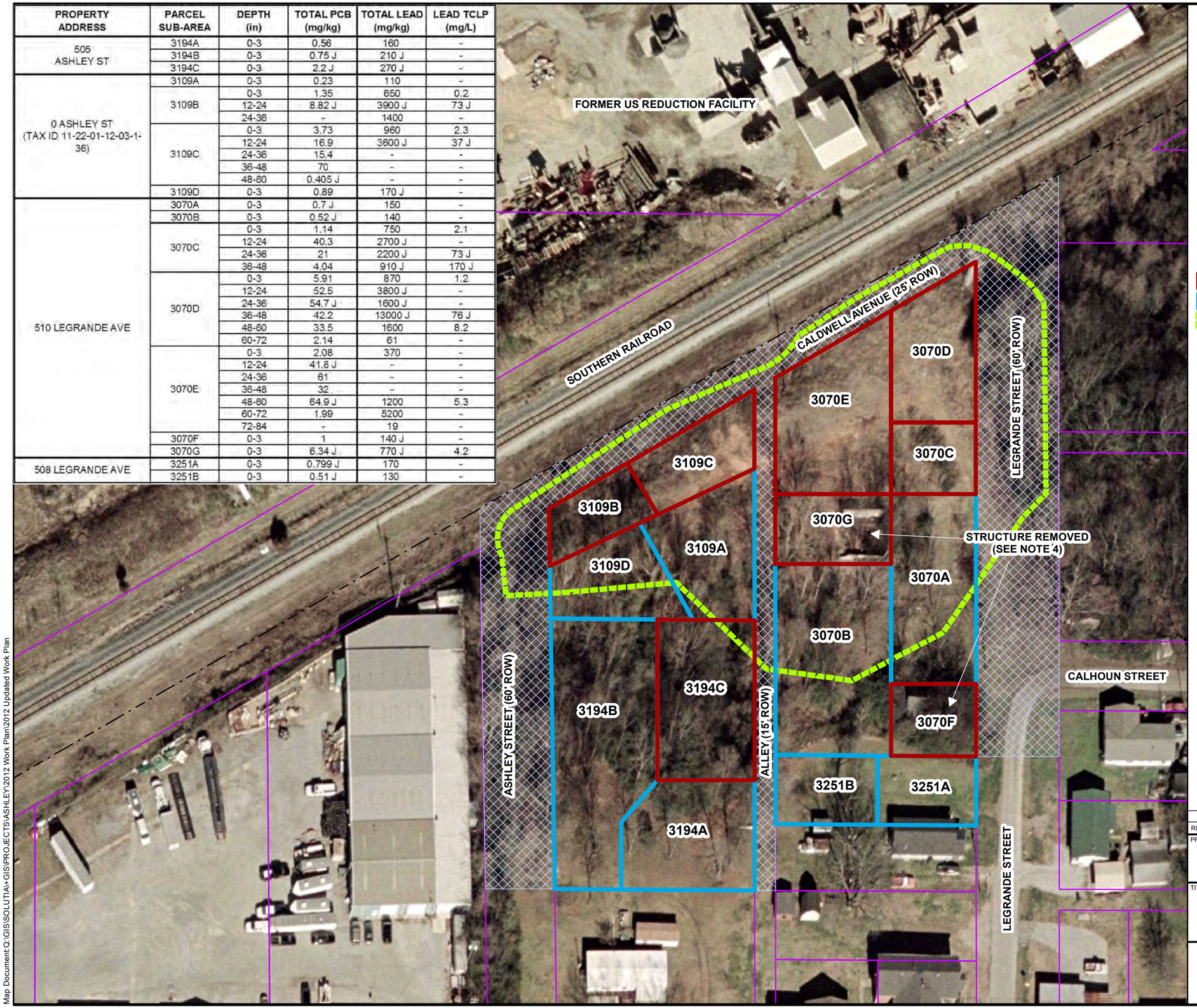
SITE LOCATION MAP
LEGRANDE STREET AND
ASHLEY STREET PROPERTIES

ANNISTON PCB SITE

FIGURE 1

Map Document: Q:\GIS\SOLUTIA\+GIS\PROJECTS\ASHLEY\2012 Work Plan\0433746-Fig1_Site Loc 2012 WP.mxd

PROPERTY ADDRESS	PARCEL SUB-AREA	DEPTH (in)	TOTAL PCB (mg/kg)	TOTAL LEAD (mg/kg)	LEAD TCLP (mg/L)
505 ASHLEY ST	3194A	0-3	0.56	160	-
	3194B	0-3	0.75 J	210 J	-
	3194C	0-3	2.2 J	270 J	-
0 ASHLEY ST (TAX ID 11-22-01-12-03-1-36)	3109A	0-3	0.23	110	-
	3109B	0-3	1.35	650	0.2
		12-24	8.82 J	3900 J	73 J
		24-36	-	1400	-
	3109C	0-3	3.73	960	2.3
		12-24	16.9	3600 J	37 J
		24-36	15.4	-	-
		36-48	70	-	-
		48-60	0.405 J	-	-
	3109D	0-3	0.89	170 J	-
510 LEGRANDE AVE	3070A	0-3	0.7 J	150	-
	3070B	0-3	0.52 J	140	-
	3070C	0-3	1.14	750	2.1
		12-24	40.3	2700 J	-
		24-36	21	2200 J	73 J
		36-48	4.04	910 J	170 J
	3070D	0-3	5.91	870	1.2
		12-24	52.5	3800 J	-
		24-36	54.7 J	1600 J	-
		36-48	42.2	13000 J	76 J
		48-60	33.5	1600	8.2
		60-72	2.14	61	-
	3070E	0-3	2.08	370	-
		12-24	41.8 J	-	-
		24-36	61	-	-
		36-48	32	-	-
		48-60	64.9 J	1200	5.3
		60-72	1.99	5200	-
		72-84	-	19	-
	3070F	0-3	1	140 J	-
	3070G	0-3	6.34 J	770 J	4.2
508 LEGRANDE AVE	3251A	0-3	0.799 J	170	-
	3251B	0-3	0.51 J	130	-



N

LEGEND

- IMPACTED AREA
- NOT IMPACTED
- ESTIMATED LANDFILL LIMITS
- RIGHT OF WAY AREA
- PARCEL BOUNDARIES

NOTES

1. THE LANDFILL LIMITS WERE ESTIMATED BASED ON THE EXISTING TOPOGRAPHY AT THE SITE, SAMPLE BORINGS, AND HAND AUGERS.

2. A SURVEY DISCREPANCY WAS NOTED BETWEEN CALHOUN COUNTY PARCEL DATA AND P/S' TOPOGRAPHIC/PROPERTY SURVEY. THE CURRENT MAP IS BASED ON THE COUNTY PARCEL DATA.

3. DELINEATION OF IMPACTED AREAS FOLLOWS THE STIPULATION AND AGREEMENT OF THE PARTIES CLARIFYING THE PCD BETWEEN THE USEPA AND P/S FOR THE ANNISTON PCB SITE.

4. 3070F AND 3070G REPRESENT POST-DEMOLITION SAMPLING AREAS.

REFERENCES

NAD 1983 State Plane, AL East FIPS 0101 Feet

Property Parcels: Calhoun County Tax Office

0 40 80 160 Feet

REV.	DATE	DES	REVISION DESCRIPTION	GIS	CHK	RVW

PROJECT

SOLUTIA
ANNISTON PCB SITE
ANNISTON, ALABAMA

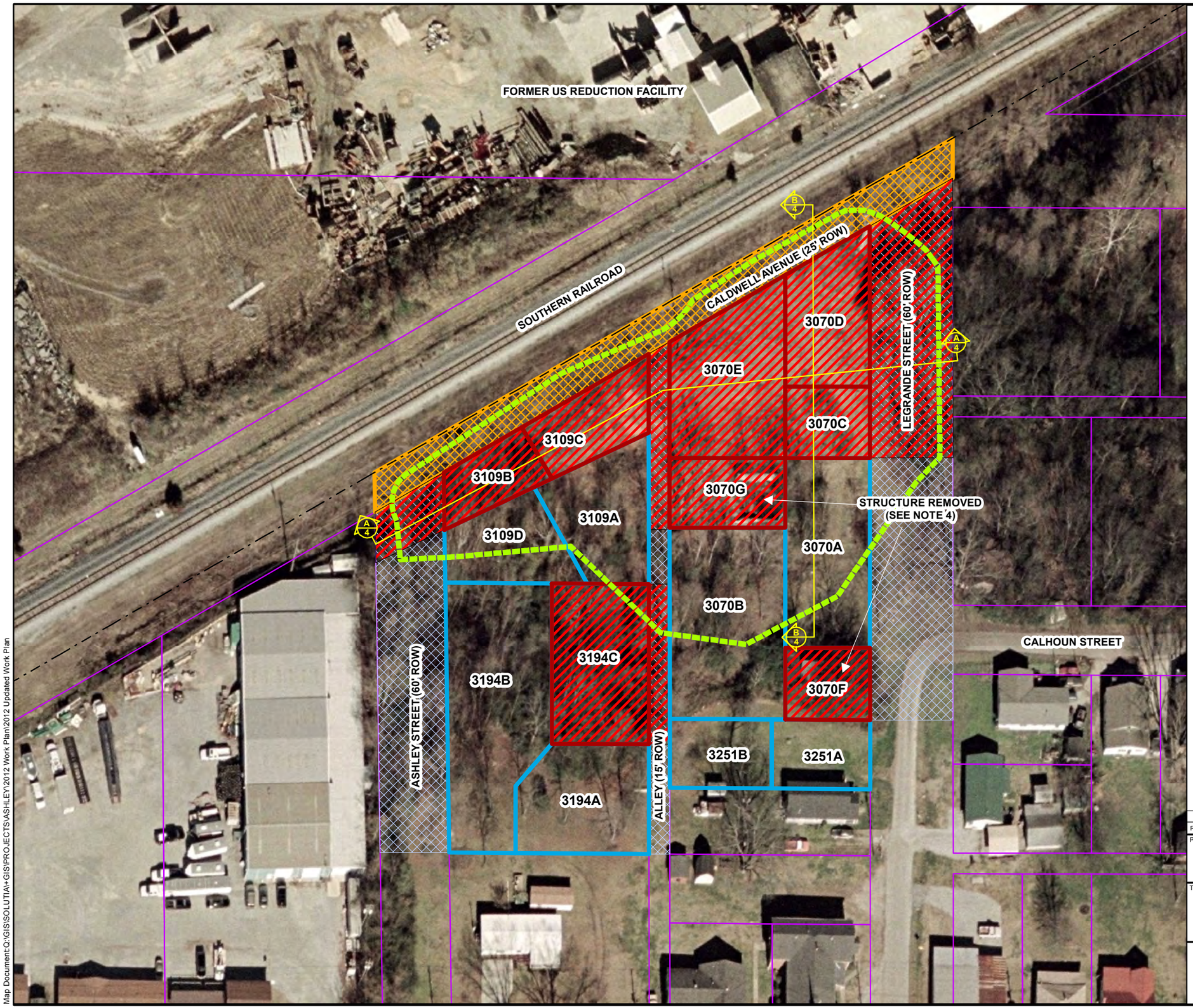
TITLE

ANALYTICAL TEST RESULTS
LEGRANDE AND ASHLEY STREET PROPERTIES

Golder Associates
Atlanta, Georgia

PROJECT No.	1239004PCD		FILE No.	Figure 2.mxd	
DESIGN	-	-	SCALE: AS SHOWN	REV.	0
GIS	RJC	03/12	2		
CHECK	GLH	03/12			
REVIEW	TIR	03/12			

Map Document:Q:\GIS\SOLUTIA+GIS\PROJECTS\ASHLEY\2012 Work Plan\2012 Updated Work Plan



N

LEGEND

- ESTIMATED LANDFILL LIMITS
- IMPACTED AREA
- NOT IMPACTED
- REMOVAL AREA
- REMOVAL NOT PROPOSED (SEE NOTE 5)
- RIGHT OF WAY AREA
- PARCEL BOUNDARIES

NOTES

1. THE LANDFILL LIMITS WERE ESTIMATED BASED ON THE EXISTING TOPOGRAPHY AT THE SITE, SAMPLE BORINGS, AND HAND AUGERS.

2. A SURVEY DISCREPANCY WAS NOTED BETWEEN CALHOUN COUNTY PARCEL DATA AND P/S' TOPOGRAPHIC/PROPERTY SURVEY. THE CURRENT MAP IS BASED ON THE COUNTY PARCEL DATA.

3. DELINEATION OF IMPACTED AREAS FOLLOWS THE STIPULATION AND AGREEMENT OF THE PARTIES CLARIFYING THE PCD BETWEEN THE USEPA AND P/S FOR THE ANNISTON PCB SITE.

4. 3070F AND 3070G REPRESENT POST-DEMOLITION SAMPLING AREAS.

5. REMOVAL IN CALDWELL AVE. ROW NORTH OF PROPERTIES NOT PROPOSED DUE TO CONFLICTS WITH A WATER MAIN, SANITARY SEWER LINE, AND ENCROACHMENT ON THE SOUTHERN RAILROAD ROW.

REFERENCES

NAD 1983 State Plane, AL East FIPS 0101 Feet

Property Parcels: Calhoun County Tax Office

0 40 80 160 Feet

REV.	DATE	DES	REVISION DESCRIPTION	GIS	CHK	RVW

PROJECT

SOLUTIA
ANNISTON PCB SITE
ANNISTON, ALABAMA

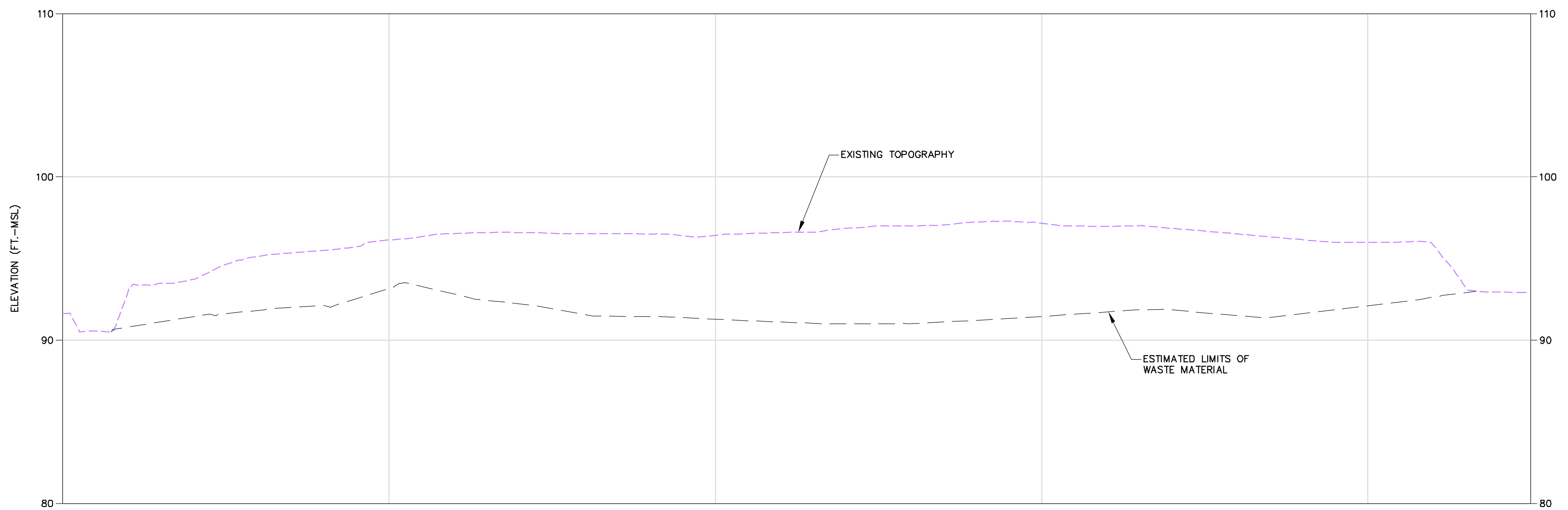
TITLE

REMOVAL AREA FOR
LEGRANDE AND ASHLEY STREET PROPERTIES

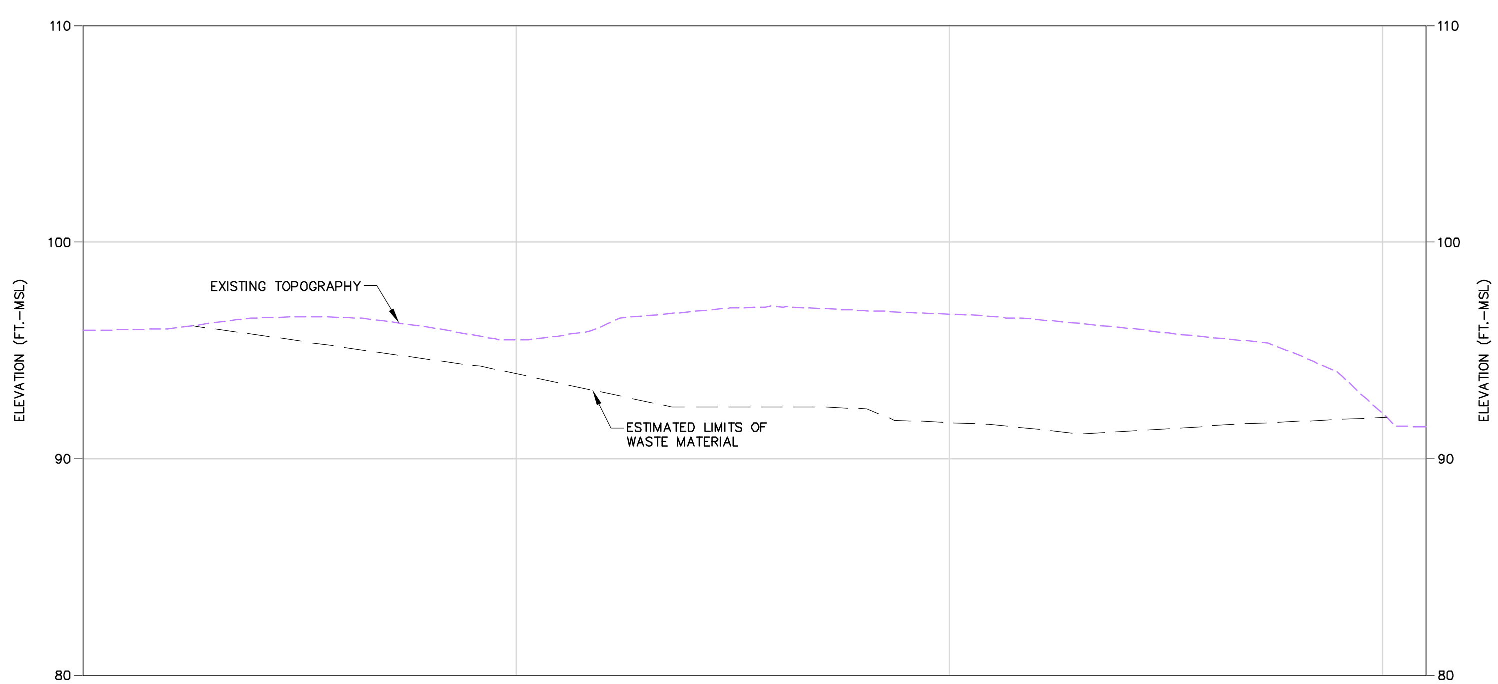
Golder Associates
Atlanta, Georgia

PROJECT No.	1239004PCD		FILE No.	Figure 2.mxd
DESIGN	-	-	SCALE: AS SHOWN	REV. 0
GIS	RJC	03/12		
CHECK	GLH	03/12		
REVIEW	TIR	03/12		

Map Document:Q:\GIS\SOLUTIA\+GIS\PROJECTS\ASHLEY\2012 Work Plan\2012 Updated Work Plan



A / 4 **SECTION A**



B / 4 **SECTION B**

NOTES

1. THE LIMITS OF THE WASTE MATERIAL WAS ESTIMATED BASED ON SAMPLING LOGS AND ANALYTICAL RESULTS.

20 0 20 40
SCALE FEET
VERTICALLY EXAGGERATED 5X

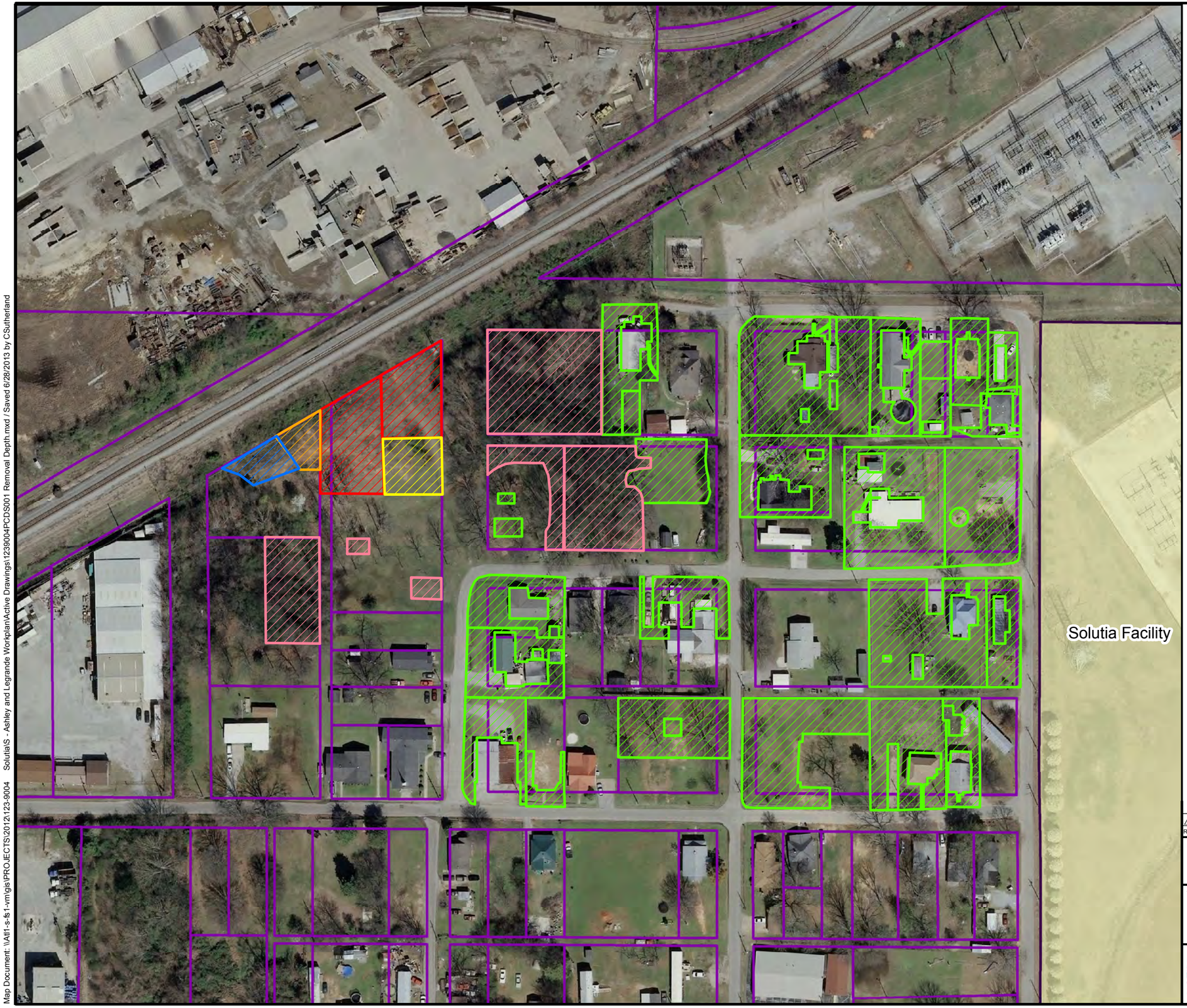
REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
–	–	–	– –	–	–	–

PROJECT
ANNISTON PCB SITE
ASHLEY STREET AND
510 LEGRANDE STREET PROPERTIES

TITLE
PROFILES OF ESTIMATED WASTE LIMITS

Golder Associates
Atlanta, Georgia

PROJECT No.043-3746RES08			FILE No. 0433746RES08-004 Profiles	
DESIGN	CCP	06/09	SCALE AS SHOWN	REV. –
CADD	CCP	06/09	4	
CHECK	GLH	03/12		
REVIEW	TIR	03/12		



N

LEGEND

Required Removal Depth

- 1 ft
- 2 ft
- 3 ft
- 4 ft
- 5 ft
- Surface PCBs >1ppm, no depth data available
- Solutia Facility
- Parcels

NOTES

1. Depth shown is the maximum depth as required by the NTC Removal Action Plan based on Residential sampling results for each sampling area.

REFERENCES

NAD 1983 State Plane, AL East FIPS 0101 Feet

Property Parcels: Calhoun County Tax Office

0 37.5 75 150 225 300 Feet

REV.	DATE	DES	REVISION DESCRIPTION	GIS	CHK	RVW
1						

PROJECT

SOLUTIA
ANNISTON PCB SITE
ANNISTON, ALABAMA

TITLE

REQUIRED REMOVAL DEPTHS PER NTC REMOVAL ACTION PLAN

Golder Associates

PROJECT No.	1239004OU1.2013D		FILE No.1239004PCDS001 Removal Depth.mxd	
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GIS	CES	6/28/2013	5	
CHECK	GLH	6/28/2013		
REVIEW	SJM	6/28/2013		

Map Document: \\Atl1-s-fs1-vm\gis\PROJECTS\2012\123-9004 SolutiaS - Ashley and Legrande Workplan\Active Drawings\1239004PCDS001 Removal Depth.mxd / Saved 6/28/2013 by CSutherland

APPENDIX A

LABORATORY ANALYTICAL TESTS RESULTS

APPENDIX A-1

510 LEGRANDE STREET PROPERTY

Client: Golder Associates Inc. Job Number: 680-3558.1

Client Sample ID: **3070-3A**

Lab Sample ID: 680-3558-7
Client Matrix: Solid % Moisture: 16.0

Date Sampled: 05/09/2005 1435
Date Received: 05/11/2005 1253

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082 Analysis Batch: 680-10518 Instrument ID: GC SemiVolatiles - M
Preparation: 3550B Prep Batch: 680-9968 Lab File ID: mma17021.d
Dilution: 1.0 Initial Weight/Volume: 30.05 g
Date Analyzed: 05/17/2005 2308 Final Weight/Volume: 10.0 mL
Date Prepared: 05/13/2005 1014 Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		39	U	39
PCB-1221		79	U	79
PCB-1232		39	U	39
PCB-1242		39	U	39
PCB-1248		39	U	39
PCB-1254		120	P	39
PCB-1260		190		39
PCB-1268		390		39

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	55		30 - 150
DCB Decachlorobiphenyl	830	*	30 - 150

Client: Golder Associates Inc. Job Number: 680-3558.1

Client Sample ID: **3070-3B**

Lab Sample ID: 680-3558-8
Client Matrix: Solid % Moisture: 18.0

Date Sampled: 05/09/2005 1440
Date Received: 05/11/2005 1253

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082 Analysis Batch: 680-10518 Instrument ID: GC SemiVolatiles - M
Preparation: 3550B Prep Batch: 680-9968 Lab File ID: mma17022.d
Dilution: 1.0 Initial Weight/Volume: 30.00 g
Date Analyzed: 05/17/2005 2327 Final Weight/Volume: 10.0 mL
Date Prepared: 05/13/2005 1014 Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		40	U	40
PCB-1221		82	U	82
PCB-1232		40	U	40
PCB-1242		40	U	40
PCB-1248		72		40
PCB-1254		130	P	40
PCB-1260		120		40
PCB-1268		200		40

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	53		30 - 150
DCB Decachlorobiphenyl	381	*	30 - 150

Client: Golder Associates Inc.

Job Number: 680-3558.1

Client Sample ID: **3070-3C**

Lab Sample ID: 680-3558-9
Client Matrix: Solid % Moisture: 10.0

Date Sampled: 05/09/2005 1450
Date Received: 05/11/2005 1253

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 05/17/2005 2347
Date Prepared: 05/13/2005 1014

Analysis Batch: 680-10518
Prep Batch: 680-9968

Instrument ID: GC SemiVolatiles - M
Lab File ID: mma17023.d
Initial Weight/Volume: 30.01 g
Final Weight/Volume: 10.0 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		37	U	37
PCB-1221		75	U	75
PCB-1232		37	U	37
PCB-1242		37	U	37
PCB-1248		180		37
PCB-1254		640		37
PCB-1260		250		37
PCB-1268		74		37

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	62	30 - 150
DCB Decachlorobiphenyl	91	30 - 150

Client: Golder Associates Inc. Job Number: 680-3558.1

Client Sample ID: **3070-3D**

Lab Sample ID: 680-3558-10 Date Sampled: 05/09/2005 1500
Client Matrix: Solid % Moisture: 13.0 Date Received: 05/11/2005 1253

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082 Analysis Batch: 680-10518 Instrument ID: GC SemiVolatiles - M
Preparation: 3550B Prep Batch: 680-9968 Lab File ID: mma17024.d
Dilution: 4.0 Initial Weight/Volume: 30.00 g
Date Analyzed: 05/18/2005 0006 Final Weight/Volume: 10.0 mL
Date Prepared: 05/13/2005 1014 Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		150	U	150
PCB-1221		310	U	310
PCB-1232		150	U	150
PCB-1242		150	U	150
PCB-1248		960		150
PCB-1254		3300		150
PCB-1260		1300		150
PCB-1268		350		150

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	66	30 - 150
DCB Decachlorobiphenyl	125	30 - 150

Client: Golder Associates Inc.

Job Number: 680-3558.1

Client Sample ID: **3070-3E**

Lab Sample ID: 680-3558-11
Client Matrix: Solid % Moisture: 14.0

Date Sampled: 05/09/2005 1455
Date Received: 05/11/2005 1253

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 05/18/2005 0026
Date Prepared: 05/13/2005 1014

Analysis Batch: 680-10518
Prep Batch: 680-9968

Instrument ID: GC SemiVolatiles - M
Lab File ID: mma17025.d
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 10.0 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		38	U	38
PCB-1221		78	U	78
PCB-1232		38	U	38
PCB-1242		38	U	38
PCB-1248		280		38
PCB-1254		1100	E	38
PCB-1260		440		38
PCB-1268		120		38

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	53	30 - 150
DCB Decachlorobiphenyl	76	30 - 150

Client: Golder Associates Inc.

Job Number: 680-3558.1

Client Sample ID: **3070-3E**

Lab Sample ID: 680-3558-11
Client Matrix: Solid % Moisture: 14.0

Date Sampled: 05/09/2005 1455
Date Received: 05/11/2005 1253

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 2.0
Date Analyzed: 05/18/2005 2323
Date Prepared: 05/13/2005 1014

Analysis Batch: 680-10564
Prep Batch: 680-9968

Instrument ID: GC SemiVolatiles - M
Lab File ID: mma18024.d
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 10.0 mL
Injection Volume:
Column ID: SECONDARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		77	U	77
PCB-1221		160	U	160
PCB-1232		77	U	77
PCB-1242		77	U	77
PCB-1248		380		77
PCB-1254		1100		77
PCB-1260		480		77
PCB-1268		120		77

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	51	30 - 150
DCB Decachlorobiphenyl	74	30 - 150

Client: Golder Associates Inc. Job Number: 680-57163-1

Client Sample ID: **3070-3F**

Lab Sample ID: 680-57163-1 Date Sampled: 04/28/2010 0905
Client Matrix: Solid % Moisture: 14.5 Date Received: 04/29/2010 0921

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method:	8081A_8082	Analysis Batch: 680-168264		Instrument ID:	SGZ
Preparation:	3550B	Prep Batch: 680-167651		Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	5 mL
Date Analyzed:	05/11/2010 0154			Injection Volume:	2 uL
Date Prepared:	05/05/2010 1755			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		39	U	39
PCB-1221		78	U	78
PCB-1232		39	U	39
PCB-1242		39	U	39
PCB-1248		39	U	39
PCB-1254		170		39
PCB-1260		340		39
PCB-1268		490		39

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	107		26 - 140
DCB Decachlorobiphenyl	2080	E X	50 - 129

Client: Golder Associates Inc. Job Number: 680-57163-1

Client Sample ID: **3070-3G**

Lab Sample ID: 680-57163-8 Date Sampled: 04/28/2010 0915
Client Matrix: Solid % Moisture: 16.8 Date Received: 04/29/2010 0921

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method:	8081A_8082	Analysis Batch: 680-168264		Instrument ID:	SGZ
Preparation:	3550B	Prep Batch: 680-167651		Initial Weight/Volume:	15.12 g
Dilution:	10			Final Weight/Volume:	5 mL
Date Analyzed:	05/11/2010 0647			Injection Volume:	2 uL
Date Prepared:	05/05/2010 1755			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		390	U	390
PCB-1221		800	U	800
PCB-1232		390	U	390
PCB-1242		390	U	390
PCB-1248		2300	p	390
PCB-1254		3200		390
PCB-1260		840		390
PCB-1268		390	U	390

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	0	D	26 - 140
DCB Decachlorobiphenyl	0	D	50 - 129

Client: Golder Associates Inc.

Job Number: 680-3558.1

Client Sample ID: 3070-3A

Lab Sample ID: 680-3558-7
Client Matrix: Solid % Moisture: 16.0

Date Sampled: 05/09/2005 1435
Date Received: 05/11/2005 1253

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/16/2005 0605
Date Prepared: 05/12/2005 1533

Analysis Batch: 680-10253
Prep Batch: 680-9886

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 0.57 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		150		0.52

Client: Golder Associates Inc. Job Number: 680-3558.1

Client Sample ID: 3070-3B

Lab Sample ID:	680-3558-8			Date Sampled:	05/09/2005 1440
Client Matrix:	Solid	% Moisture:	18.0	Date Received:	05/11/2005 1253

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch:	680-10253	Instrument ID:	ICP/AES
Preparation:	3050B	Prep Batch:	680-9886	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.56 g
Date Analyzed:	05/16/2005 0610			Final Weight/Volume:	50 mL
Date Prepared:	05/12/2005 1533				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		140		0.54

Client: Golder Associates Inc.

Job Number: 680-3558.1

Client Sample ID: **3070-3C**

Lab Sample ID: 680-3558-9
Client Matrix: Solid % Moisture: 10.0

Date Sampled: 05/09/2005 1450
Date Received: 05/11/2005 1253

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/16/2005 0614
Date Prepared: 05/12/2005 1533

Analysis Batch: 680-10253
Prep Batch: 680-9886

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 0.51 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		750		0.55

Client: Golder Associates Inc. Job Number: 680-3558.1

Client Sample ID: 3070-3D

Lab Sample ID: 680-3558-10 Date Sampled: 05/09/2005 1500
Client Matrix: Solid % Moisture: 13.0 Date Received: 05/11/2005 1253

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B Analysis Batch: 680-10253
Preparation: 3050B Prep Batch: 680-9886
Dilution: 1.0
Date Analyzed: 05/16/2005 0619
Date Prepared: 05/12/2005 1533

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 0.53 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		870		0.54

Client: Golder Associates Inc.

Job Number: 680-3558.1

Client Sample ID: **3070-3E**

Lab Sample ID: 680-3558-11
Client Matrix: Solid % Moisture: 14.0

Date Sampled: 05/09/2005 1455
Date Received: 05/11/2005 1253

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/16/2005 0624
Date Prepared: 05/12/2005 1533

Analysis Batch: 680-10253
Prep Batch: 680-9886

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 0.58 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		370		0.50

Client: Golder Associates Inc. Job Number: 680-57163-1

Client Sample ID: **3070-3F**

Lab Sample ID: 680-57163-1 Date Sampled: 04/28/2010 0905
Client Matrix: Solid % Moisture: 14.5 Date Received: 04/29/2010 0921

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 680-168137		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-167873		Lab File ID:	051010.chr
Dilution:	1.0			Initial Weight/Volume:	1.17 g
Date Analyzed:	05/10/2010 1939			Final Weight/Volume:	100 mL
Date Prepared:	05/07/2010 1501				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		140		1.0

Client: Golder Associates Inc. Job Number: 680-57163-1

Client Sample ID: **3070-3G**

Lab Sample ID: 680-57163-8 Date Sampled: 04/28/2010 0915
Client Matrix: Solid % Moisture: 16.8 Date Received: 04/29/2010 0921

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 680-168137		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-167873		Lab File ID:	051010.chr
Dilution:	1.0			Initial Weight/Volume:	1.12 g
Date Analyzed:	05/10/2010 2046			Final Weight/Volume:	100 mL
Date Prepared:	05/07/2010 1501				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		770		1.1

Client: Golder Associates Inc. Job Number: 680-57163-2

Client Sample ID: **3070-3G**

Lab Sample ID: 680-57163-8 Date Sampled: 04/28/2010 0915
Client Matrix: Solid Date Received: 04/29/2010 0921

6010B Metals (ICP)-TCLP

Method:	6010B	Analysis Batch: 680-169388		Instrument ID:	ICPD
Preparation:	3010A	Prep Batch: 680-169233		Lab File ID:	05211021.chr
Dilution:	1.0	Leachate Batch: 680-168949		Initial Weight/Volume:	5 mL
Date Analyzed:	05/21/2010 2329			Final Weight/Volume:	50 mL
Date Prepared:	05/20/2010 1734				
Date Leached:	05/18/2010 1929				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Lead		4.2		0.20

Analytical Data

Client: Golder Associates Inc.

Job Number: 680-4727-1

Client Sample ID: **3070-24C**

Lab Sample ID: 680-4727-5
Client Matrix: Solid % Moisture: 29

Date Sampled: 06/08/2005 1145
Date Received: 06/10/2005 0909

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 20
Date Analyzed: 06/17/2005 1456
Date Prepared: 06/14/2005 1018

Analysis Batch: 680-13691
Prep Batch: 680-13124

Instrument ID: GC SemiVolatiles - M
Lab File ID: mjn17020.d
Initial Weight/Volume: 30.03 g
Final Weight/Volume: 10.0 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		930	U	930
PCB-1221		1900	U	1900
PCB-1232		930	U	930
PCB-1242		930	U	930
PCB-1248		8700		930
PCB-1254		23000		930
PCB-1260		7100		930
PCB-1268		1500		930

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	0	*	30 - 150
DCB Decachlorobiphenyl	0	*	30 - 150

Client: Golder Associates Inc.

Job Number: 680-4727-1

Client Sample ID: **3070-24D**

Lab Sample ID: 680-4727-6
Client Matrix: Solid % Moisture: 26

Date Sampled: 06/08/2005 1155
Date Received: 06/10/2005 0909

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 10
Date Analyzed: 06/16/2005 2118
Date Prepared: 06/14/2005 1018

Analysis Batch: 680-13555
Prep Batch: 680-13124

Instrument ID: GC SemiVolatiles - K
Lab File ID: kjn16015.d
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 10.0 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		450	U	450
PCB-1221		910	U	910
PCB-1232		450	U	450
PCB-1242		450	U	450
PCB-1248		13000		450
PCB-1254		27000	E	450
PCB-1260		7500		450
PCB-1268		450	U	450

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	0	D *	30 - 150
DCB Decachlorobiphenyl	0	D *	30 - 150

Analytical Data

Client: Golder Associates Inc.

Job Number: 680-4727-1

Client Sample ID: **3070-24D**

Lab Sample ID: 680-4727-6
Client Matrix: Solid % Moisture: 26

Date Sampled: 06/08/2005 1155
Date Received: 06/10/2005 0909

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 40
Date Analyzed: 06/17/2005 1535
Date Prepared: 06/14/2005 1018

Analysis Batch: 680-13691
Prep Batch: 680-13124

Instrument ID: GC SemiVolatiles - M
Lab File ID: mjn17022.d
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 10.0 mL
Injection Volume:
Column ID: SECONDARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1254		32000	D	1800

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	0	D *	30 - 150
DCB Decachlorobiphenyl	0	D *	30 - 150

Client: Golder Associates Inc.

Job Number: 680-4727-1

Client Sample ID: **3070-24E**

Lab Sample ID: 680-4727-7
Client Matrix: Solid % Moisture: 38

Date Sampled: 06/08/2005 1446
Date Received: 06/10/2005 0909

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 5.0
Date Analyzed: 06/16/2005 2144
Date Prepared: 06/14/2005 1018

Analysis Batch: 680-13555
Prep Batch: 680-13124

Instrument ID: GC SemiVolatiles - K
Lab File ID: kjn16016.d
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 10.0 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		270	U	270
PCB-1221		540	U	540
PCB-1232		270	U	270
PCB-1242		270	U	270
PCB-1248		9400		270
PCB-1254		26000	E	270
PCB-1260		6400	P	270
PCB-1268		270	U	270

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	62		30 - 150
DCB Decachlorobiphenyl	204	*	30 - 150

Analytical Data

Client: Golder Associates Inc.

Job Number: 680-4727-1

Client Sample ID: **3070-24E**

Lab Sample ID: 680-4727-7
Client Matrix: Solid % Moisture: 38

Date Sampled: 06/08/2005 1446
Date Received: 06/10/2005 0909

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 40
Date Analyzed: 06/17/2005 1554
Date Prepared: 06/14/2005 1018

Analysis Batch: 680-13691
Prep Batch: 680-13124

Instrument ID: GC SemiVolatiles - M
Lab File ID: mjn17023.d
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 10.0 mL
Injection Volume:
Column ID: SECONDARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1254		26000	D	2100

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	0	D *	30 - 150
DCB Decachlorobiphenyl	0	D *	30 - 150

Analytical Data

Client: Golder Associates Inc.

Job Number: 680-4727-1

Client Sample ID: 3070-24C

Lab Sample ID: 680-4727-5
Client Matrix: Solid % Moisture: 29

Date Sampled: 06/08/2005 1145
Date Received: 06/10/2005 0909

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 20
Date Analyzed: 06/15/2005 1052
Date Prepared: 06/13/2005 1424

Analysis Batch: 680-13346
Prep Batch: 680-13044

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 0.54 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		2700		13

Analytical Data

Client: Golder Associates Inc.

Job Number: 680-4727-1

Client Sample ID: 3070-24D

Lab Sample ID: 680-4727-6
Client Matrix: Solid % Moisture: 26

Date Sampled: 06/08/2005 1155
Date Received: 06/10/2005 0909

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 20
Date Analyzed: 06/15/2005 1056
Date Prepared: 06/13/2005 1424

Analysis Batch: 680-13346
Prep Batch: 680-13044

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 0.51 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		3800		13

Client: Golder Associates Inc.

Job Number: 680-7402-1

Client Sample ID: 3070-36C

Lab Sample ID: 680-7402-6
Client Matrix: Solid % Moisture: 28

Date Sampled: 08/24/2005 1550
Date Received: 08/25/2005 1100

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 40
Date Analyzed: 08/25/2005 2257
Date Prepared: 08/25/2005 1256

Analysis Batch: 680-20245
Prep Batch: 680-20173

Instrument ID: GC SemiVolatiles - R
Lab File ID: rag25019.d
Initial Weight/Volume: 30.01 g
Final Weight/Volume: 10.0 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		1800	U	1800
PCB-1221		3700	U	3700
PCB-1232		1800	U	1800
PCB-1242		1800	U	1800
PCB-1248		6800		1800
PCB-1254		14000		1800
PCB-1260		1800	U	1800
PCB-1268		1800	U	1800

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	0	D	30 - 150
DCB Decachlorobiphenyl	0	D	30 - 150

Client: Golder Associates Inc.

Job Number: 680-7402-1

Client Sample ID: **3070-36C-X**

Lab Sample ID: 680-7402-7FD
Client Matrix: Solid % Moisture: 31

Date Sampled: 08/24/2005 1550
Date Received: 08/25/2005 1100

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 40
Date Analyzed: 08/25/2005 2319
Date Prepared: 08/25/2005 1256

Analysis Batch: 680-20245
Prep Batch: 680-20173

Instrument ID: GC SemiVolatiles - R
Lab File ID: rag25020.d
Initial Weight/Volume: 30.03 g
Final Weight/Volume: 10.0 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		1900	U	1900
PCB-1221		3900	U	3900
PCB-1232		1900	U	1900
PCB-1242		1900	U	1900
PCB-1248		4000		1900
PCB-1254		17000		1900
PCB-1260		1900	U	1900
PCB-1268		1900	U	1900

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	0	D	30 - 150
DCB Decachlorobiphenyl	0	D	30 - 150

Client: Golder Associates Inc.

Job Number: 680-7402-1

Client Sample ID: **3070-48C**

Lab Sample ID: 680-7402-8
Client Matrix: Solid
% Moisture: 24

Date Sampled: 08/24/2005 1555
Date Received: 08/25/2005 1100

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 5.0
Date Analyzed: 08/25/2005 2341
Date Prepared: 08/25/2005 1256

Analysis Batch: 680-20245
Prep Batch: 680-20173

Instrument ID: GC SemiVolatiles - R
Lab File ID: rag25021.d
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 10.0 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		220	U	220
PCB-1221		440	U	440
PCB-1232		220	U	220
PCB-1242		220	U	220
PCB-1248		1000		220
PCB-1254		2400		220
PCB-1260		220	U	220
PCB-1268		640		220

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	49		30 - 150
DCB Decachlorobiphenyl	479	*	30 - 150

Client: Golder Associates Inc.

Job Number: 680-7402-1

Client Sample ID: **3070-36D**

Lab Sample ID: 680-7402-9
Client Matrix: Solid % Moisture: 29

Date Sampled: 08/24/2005 1115
Date Received: 08/25/2005 1100

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 50
Date Analyzed: 08/26/2005 0046
Date Prepared: 08/25/2005 1256

Analysis Batch: 680-20245
Prep Batch: 680-20173

Instrument ID: GC SemiVolatiles - R
Lab File ID: rag25024.d
Initial Weight/Volume: 30.05 g
Final Weight/Volume: 10.0 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		2300	U	2300
PCB-1221		4700	U	4700
PCB-1232		2300	U	2300
PCB-1242		2300	U	2300
PCB-1248		26000		2300
PCB-1254		25000		2300
PCB-1260		2300	U	2300
PCB-1268		3700	P J	2300

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	0	D	30 - 150
DCB Decachlorobiphenyl	0	D	30 - 150

Client: Golder Associates Inc.

Job Number: 680-7402-1

Client Sample ID: **3070-48D**

Lab Sample ID: 680-7402-10
Client Matrix: Solid % Moisture: 18

Date Sampled: 08/24/2005 1116
Date Received: 08/25/2005 1100

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 50
Date Analyzed: 08/26/2005 0106
Date Prepared: 08/25/2005 1256

Analysis Batch: 680-20245
Prep Batch: 680-20173

Instrument ID: GC SemiVolatiles - R
Lab File ID: rag25025.d
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 10.0 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		2000	U	2000
PCB-1221		4100	U	4100
PCB-1232		2000	U	2000
PCB-1242		2000	U	2000
PCB-1248		20000		2000
PCB-1254		20000		2000
PCB-1260		2000	U	2000
PCB-1268		2200		2000

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	0	D	30 - 150
DCB Decachlorobiphenyl	0	D	30 - 150

Client: Golder Associates Inc.

Job Number: 680-7402-1

Client Sample ID: 3070-36E

Lab Sample ID: 680-7402-11
Client Matrix: Solid % Moisture: 26

Date Sampled: 08/24/2005 1445
Date Received: 08/25/2005 1100

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 100
Date Analyzed: 08/26/2005 0130
Date Prepared: 08/25/2005 1256

Analysis Batch: 680-20245
Prep Batch: 680-20173

Instrument ID: GC SemiVolatiles - R
Lab File ID: rag25026.d
Initial Weight/Volume: 30.01 g
Final Weight/Volume: 10.0 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		4500	U	4500
PCB-1221		9100	U	9100
PCB-1232		4500	U	4500
PCB-1242		4500	U	4500
PCB-1248		21000		4500
PCB-1254		40000		4500
PCB-1260		4500	U	4500
PCB-1268		4500	U	4500

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	0	D	30 - 150
DCB Decachlorobiphenyl	0	D	30 - 150

Client: Golder Associates Inc.

Job Number: 680-7402-1

Client Sample ID: 3070-48E

Lab Sample ID: 680-7402-12
Client Matrix: Solid % Moisture: 27

Date Sampled: 08/24/2005 1446
Date Received: 08/25/2005 1100

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 100
Date Analyzed: 08/26/2005 0151
Date Prepared: 08/25/2005 1256

Analysis Batch: 680-20245
Prep Batch: 680-20173

Instrument ID: GC SemiVolatiles - R
Lab File ID: rag25027.d
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 10.0 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		4500	U	4500
PCB-1221		9200	U	9200
PCB-1232		4500	U	4500
PCB-1242		4500	U	4500
PCB-1248		12000		4500
PCB-1254		20000		4500
PCB-1260		4500	U	4500
PCB-1268		4500	U	4500

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	0	D	30 - 150
DCB Decachlorobiphenyl	0	D	30 - 150

Client: Golder Associates Inc. Job Number: 680-7402-1

Client Sample ID: 3070-36C

Lab Sample ID:	680-7402-6	Date Sampled:	08/24/2005 1550
Client Matrix:	Solid % Moisture: 28	Date Received:	08/25/2005 1100

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 680-20327		Instrument ID:	ICP/AES
Preparation:	3050B	Prep Batch: 680-20188		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.05 g
Date Analyzed:	08/26/2005 0128			Final Weight/Volume:	100 mL
Date Prepared:	08/25/2005 1443				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		2200 J		0.66

Client: Golder Associates Inc.

Job Number: 680-7402-1

Client Sample ID: 3070-36C-X

Lab Sample ID: 680-7402-7FD
Client Matrix: Solid % Moisture: 31

Date Sampled: 08/24/2005 1550
Date Received: 08/25/2005 1100

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 680-20327		Instrument ID:	ICP/AES
Preparation:	3050B	Prep Batch: 680-20188		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.04 g
Date Analyzed:	08/26/2005 0133			Final Weight/Volume:	100 mL
Date Prepared:	08/25/2005 1443				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		1400 J		0.69

Client: Golder Associates Inc.

Job Number: 680-7402-1

Client Sample ID: 3070-48C

Lab Sample ID: 680-7402-8
Client Matrix: Solid % Moisture: 24

Date Sampled: 08/24/2005 1555
Date Received: 08/25/2005 1100

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 680-20327		Instrument ID:	ICP/AES
Preparation:	3050B	Prep Batch: 680-20188		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.11 g
Date Analyzed:	08/26/2005 0138			Final Weight/Volume:	100 mL
Date Prepared:	08/25/2005 1443				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		910 J		0.59

Client: Golder Associates Inc.

Job Number: 680-7402-1

Client Sample ID: 3070-36D

Lab Sample ID:	680-7402-9	Date Sampled:	08/24/2005 1115
Client Matrix:	Solid % Moisture: 29	Date Received:	08/25/2005 1100

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 680-20327		Instrument ID:	ICP/AES
Preparation:	3050B	Prep Batch: 680-20188		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.09 g
Date Analyzed:	08/26/2005 0803			Final Weight/Volume:	100 mL
Date Prepared:	08/25/2005 1443				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		1600 J		0.64

Client: Golder Associates Inc.

Job Number: 680-7402-1

Client Sample ID: 3070-48D

Lab Sample ID:	680-7402-10	Date Sampled:	08/24/2005 1116
Client Matrix:	Solid % Moisture: 18	Date Received:	08/25/2005 1100

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 680-20327		Instrument ID:	ICP/AES
Preparation:	3050B	Prep Batch: 680-20188		Lab File ID:	N/A
Dilution:	10			Initial Weight/Volume:	1.03 g
Date Analyzed:	08/26/2005 0807			Final Weight/Volume:	100 mL
Date Prepared:	08/25/2005 1443				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		13000 J		5.9

Client: Golder Associates Inc.

Job Number: 680-7402-2

Client Sample ID: 3070-36C

Lab Sample ID: 680-7402-6
Client Matrix: Solid

Date Sampled: 08/24/2005 1550
Date Received: 08/25/2005 1100

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-TCLP

Method:	6010B	Analysis Batch: 680-24677		Instrument ID:	ICP/AES
Preparation:	3010A	Prep Batch: 680-24328		Lab File ID:	N/A
Dilution:	1.0	Tclp Batch: 680-24030		Initial Weight/Volume:	5 mL
Date Analyzed:	10/10/2005 2011			Final Weight/Volume:	50 mL
Date Prepared:	10/07/2005 1124				
Date Leached:	10/05/2005 330				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Lead		73	J	0.20

Client: Golder Associates Inc.

Job Number: 680-7402-2

Client Sample ID: 3070-36C-X

Lab Sample ID: 680-7402-7FD
Client Matrix: Solid

Date Sampled: 08/24/2005 1550
Date Received: 08/25/2005 1100

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-TCLP

Method:	6010B	Analysis Batch: 680-24677		Instrument ID:	ICP/AES
Preparation:	3010A	Prep Batch: 680-24328		Lab File ID:	N/A
Dilution:	1.0	Tclp Batch: 680-24030		Initial Weight/Volume:	5 mL
Date Analyzed:	10/10/2005 2016			Final Weight/Volume:	50 mL
Date Prepared:	10/07/2005 1124				
Date Leached:	10/05/2005 330				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Lead		38	J	0.20

Client: Golder Associates Inc.

Job Number: 680-7402-2

Client Sample ID: 3070-48C

Lab Sample ID: 680-7402-8
Client Matrix: Solid

Date Sampled: 08/24/2005 1555
Date Received: 08/25/2005 1100

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-TCLP

Method:	6010B	Analysis Batch: 680-24677		Instrument ID:	ICP/AES
Preparation:	3010A	Prep Batch: 680-24328		Lab File ID:	N/A
Dilution:	1.0	Tclp Batch: 680-24030		Initial Weight/Volume:	5 mL
Date Analyzed:	10/10/2005 2021			Final Weight/Volume:	50 mL
Date Prepared:	10/07/2005 1124				
Date Leached:	10/05/2005 330				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Lead		170	J	0.20

Client: Golder Associates Inc. Job Number: 680-7402-2

Client Sample ID: 3070-48D

Lab Sample ID: 680-7402-10 Date Sampled: 08/24/2005 1116
Client Matrix: Solid Date Received: 08/25/2005 1100

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-TCLP

Method:	6010B	Analysis Batch: 680-24677		Instrument ID:	ICP/AES
Preparation:	3010A	Prep Batch: 680-24328		Lab File ID:	N/A
Dilution:	1.0	Tclp Batch: 680-24030		Initial Weight/Volume:	5 mL
Date Analyzed:	10/10/2005 2025			Final Weight/Volume:	50 mL
Date Prepared:	10/07/2005 1124				
Date Leached:	10/05/2005 330				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Lead		76	J	0.20

Client: Golder Associates Inc. Job Number: 680-36054-1

Client Sample ID: **3070-60E**

Lab Sample ID: 680-36054-1 Date Sampled: 04/15/2008 1235
Client Matrix: Solid % Moisture: 16.9 Date Received: 04/18/2008 0852

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082 Analysis Batch: 680-104794 Instrument ID: GC SemiVolatiles - X
Preparation: 3550B Prep Batch: 680-103705 Lab File ID: xd1007.d
Dilution: 50 Initial Weight/Volume: 15.06 g
Date Analyzed: 05/01/2008 1223 Final Weight/Volume: 5 mL
Date Prepared: 04/23/2008 1530 Injection Volume: 1.0 uL
Column ID: PRIMARY

//

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		2000	U	2000
PCB-1221		4000	U	4000
PCB-1232		2000	U	2000
PCB-1242		2000	U	2000
PCB-1248		5200		2000
PCB-1254		11000		2000
PCB-1260		2100		2000
PCB-1268		2000	U	2000

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	0	D	26 - 140
DCB Decachlorobiphenyl	0	D	50 - 129

Client: Golder Associates Inc. Job Number: 680-36054-1

Client Sample ID: **3070-72E**

Lab Sample ID: 680-36054-2 Date Sampled: 04/15/2008 1240
Client Matrix: Solid % Moisture: 16.9 Date Received: 04/18/2008 0852

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082 Analysis Batch: 680-104794 Instrument ID: GC SemiVolatiles - X
Preparation: 3550B Prep Batch: 680-103705 Lab File ID: xd1008.d
Dilution: 5.0 Initial Weight/Volume: 15.14 g
Date Analyzed: 05/01/2008 1242 Final Weight/Volume: 5 mL
Date Prepared: 04/23/2008 1530 Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL
PCB-1016	200	U	200
PCB-1221	400	U	400
PCB-1232	200	U	200
PCB-1242	200	U	200
PCB-1248	800	U	200
PCB-1254	990	U	200
PCB-1260	200	U	200
PCB-1268	200	U	200

Surrogate	Acceptance Limits
Tetrachloro-m-xylene	26 - 140
DCB Decachlorobiphenyl	50 - 129

Result ≤ RL =

for 1260

Client: Golder Associates Inc. Job Number: 680-36054-1

Client Sample ID: **3070-60D**

Lab Sample ID: 680-36054-4 Date Sampled: 04/15/2008 1545
Client Matrix: Solid % Moisture: 22.0 Date Received: 04/18/2008 0852

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082 Analysis Batch: 680-104794 Instrument ID: GC SemiVolatiles - X
Preparation: 3550B Prep Batch: 680-103705 Lab File ID: xd1010.d
Dilution: 40 Initial Weight/Volume: 15.10 g
Date Analyzed: 05/01/2008 1321 Final Weight/Volume: 5 mL
Date Prepared: 04/23/2008 1530 Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL
PCB-1016	1700	U	1700
PCB-1221	3400	U	3400
PCB-1232	1700	U	1700
PCB-1242	1700	U	1700
PCB-1248	7200		1700
PCB-1254	13000		1700
PCB-1260	8500		1700
PCB-1268	4800		1700

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	0	D	26 - 140
DCB Decachlorobiphenyl	0	D	50 - 129

Client: Golder Associates Inc. Job Number: 680-36054-1

Client Sample ID: **3070-72D**

Lab Sample ID: 680-36054-5 Date Sampled: 04/15/2008 1547
Client Matrix: Solid % Moisture: 22.5 Date Received: 04/18/2008 0852

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082 Analysis Batch: 680-104871 Instrument ID: GC SemiVolatiles - M
Preparation: 3550B Prep Batch: 680-103705 Lab File ID: me01145.d
Dilution: 1.0 Initial Weight/Volume: 15.04 g
Date Analyzed: 05/04/2008 0049 Final Weight/Volume: 5 mL
Date Prepared: 04/23/2008 1530 Injection Volume: 2 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL
PCB-1016	42	U	42
PCB-1221	86	U	86
PCB-1232	42	U	42
PCB-1242	42	U	42
PCB-1248	870		42
PCB-1254	780		42
PCB-1260	270		42
PCB-1268	220		42

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	111		26 - 140
DCB Decachlorobiphenyl	641	X	50 - 129

Client: Golder Associates Inc. Job Number: 680-36054-1

Client Sample ID: **3070-60E-X**

Lab Sample ID: 680-36054-9 Date Sampled: 04/15/2008 1235
Client Matrix: Solid % Moisture: 15.3 Date Received: 04/18/2008 0852

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082 Analysis Batch: 680-104794 Instrument ID: GC SemiVolatiles - X
Preparation: 3550B Prep Batch: 680-103705 Lab File ID: xd1013.d
Dilution: 250 Initial Weight/Volume: 15.06 g
Date Analyzed: 05/01/2008 1419 Final Weight/Volume: 5 mL
Date Prepared: 04/23/2008 1530 Injection Volume: 1.0 uL
Column ID: PRIMARY

//

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL
PCB-1016	9700	U	9700
PCB-1221	20000	U	20000
PCB-1232	9700	U	9700
PCB-1242	9700	U	9700
PCB-1248	9700	U	9700
PCB-1254	55000	J	9700
PCB-1260	9900	J	9700
PCB-1268	9700	U	9700

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	0	D	26 - 140
DCB Decachlorobiphenyl	0	D	50 - 129

Client: Golder Associates Inc.

Job Number: 680-36054-2

Client Sample ID: **3070-84E**

Lab Sample ID:	680-36054-3	Date Sampled:	04/15/2008 1242
Client Matrix:	Solid % Moisture: 18.8	Date Received:	04/18/2008 0852

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 680-103921	Instrument ID:	ICP/AES - D
Preparation:	3050B	Prep Batch: 680-103640	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	1.07 g
Date Analyzed:	04/23/2008 0453		Final Weight/Volume:	100 mL
Date Prepared:	04/21/2008 1156			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		19		0.58

General Chemistry

Client Sample ID: **3070-84E**

Lab Sample ID: 680-36054-3
Client Matrix: Solid

Date Sampled: 04/15/2008 1242
Date Received: 04/18/2008 0852

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	19		%	0.010	1.0	PercentMoisture
	Anly Batch: 680-103647		Date Analyzed 04/21/2008 1221			

Client: Golder Associates Inc. Job Number: 680-36054-1

Client Sample ID: **3070-60E**

Lab Sample ID: 680-36054-1 Date Sampled: 04/15/2008 1235
Client Matrix: Solid % Moisture: 16.9 Date Received: 04/18/2008 0852

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 680-103921		Instrument ID:	ICP/AES
Preparation:	3050B	Prep Batch: 680-103640		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.06 g
Date Analyzed:	04/23/2008 0433			Final Weight/Volume:	100 mL
Date Prepared:	04/21/2008 1156				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		1200		0.57

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-TCLP

Method:	6010B	Analysis Batch: 680-103917		Instrument ID:	ICP/AES
Preparation:	3010A	Prep Batch: 680-103742		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 680-103652		Initial Weight/Volume:	5 mL
Date Analyzed:	04/22/2008 2243			Final Weight/Volume:	50 mL
Date Prepared:	04/22/2008 1051				
Date Leached:	04/21/2008 1200				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Lead		3.0		0.20

Client: Golder Associates Inc. Job Number: 680-36054-1

Client Sample ID: 3070-72E

Lab Sample ID: 680-36054-2 Date Sampled: 04/15/2008 1240
Client Matrix: Solid % Moisture: 16.9 Date Received: 04/18/2008 0852

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 680-103921	Instrument ID: ICP/AES
Preparation:	3050B	Prep Batch: 680-103640	Lab File ID: N/A
Dilution:	5.0		Initial Weight/Volume: 1.06 g
Date Analyzed:	04/23/2008 1105		Final Weight/Volume: 100 mL
Date Prepared:	04/21/2008 1156		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		5200		2.8

Client: Golder Associates Inc.

Job Number: 680-36054-1

Client Sample ID: **3070-60D**

Lab Sample ID:	680-36054-4	Date Sampled:	04/15/2008 1545
Client Matrix:	Solid % Moisture: 22.0	Date Received:	04/18/2008 0852

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 680-103921	Instrument ID: ICP/AES
Preparation:	3050B	Prep Batch: 680-103640	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 1.11 g
Date Analyzed:	04/23/2008 0459		Final Weight/Volume: 100 mL
Date Prepared:	04/21/2008 1156		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		1600		0.58

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-TCLP

Method:	6010B	Analysis Batch: 680-103917	Instrument ID: ICP/AES
Preparation:	3010A	Prep Batch: 680-103742	Lab File ID: N/A
Dilution:	1.0	Leachate Batch: 680-103652	Initial Weight/Volume: 5 mL
Date Analyzed:	04/22/2008 2258		Final Weight/Volume: 50 mL
Date Prepared:	04/22/2008 1051		
Date Leached:	04/21/2008 1200		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Lead		8.2		0.20

Client: Golder Associates Inc. Job Number: 680-36054-1

Client Sample ID: **3070-72D**

Lab Sample ID:	680-36054-5			Date Sampled:	04/15/2008 1547
Client Matrix:	Solid	% Moisture:	22.5	Date Received:	04/18/2008 0852

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 680-103921		Instrument ID:	ICP/AES
Preparation:	3050B	Prep Batch: 680-103640		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.12 g
Date Analyzed:	04/23/2008 0504			Final Weight/Volume:	100 mL
Date Prepared:	04/21/2008 1156				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		61		0.58

Client: Golder Associates Inc.

Job Number: 680-36054-1

Client Sample ID: **3070-3D**

Lab Sample ID: 680-36054-7
Client Matrix: Solid

Date Sampled: 04/15/2008 1525
Date Received: 04/18/2008 0852

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-TCLP

Method:	6010B	Analysis Batch: 680-103917		Instrument ID:	ICP/AES
Preparation:	3010A	Prep Batch: 680-103742		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 680-103652		Initial Weight/Volume:	5 mL
Date Analyzed:	04/22/2008 2303			Final Weight/Volume:	50 mL
Date Prepared:	04/22/2008 1051				
Date Leached:	04/21/2008 1200				

//

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Lead		1.2		0.20

Client: Golder Associates Inc.

Job Number: 680-36054-1

Client Sample ID: **3070-3C**

Lab Sample ID: 680-36054-8
Client Matrix: Solid

Date Sampled: 04/15/2008 1350
Date Received: 04/18/2008 0852

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-TCLP

Method:	6010B	Analysis Batch: 680-103917		Instrument ID:	ICP/AES
Preparation:	3010A	Prep Batch: 680-103742		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 680-103652		Initial Weight/Volume:	5 mL
Date Analyzed:	04/22/2008 2308			Final Weight/Volume:	50 mL
Date Prepared:	04/22/2008 1051				
Date Leached:	04/21/2008 1200				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Lead		2.1		0.20

Client: Golder Associates Inc. Job Number: 680-36054-1

Client Sample ID: **3070-60E-X**

Lab Sample ID:	680-36054-9	Date Sampled:	04/15/2008 1235
Client Matrix:	Solid % Moisture: 15.3	Date Received:	04/18/2008 0852

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 680-103921	Instrument ID: ICP/AES
Preparation:	3050B	Prep Batch: 680-103640	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 1.04 g
Date Analyzed:	04/23/2008 0524		Final Weight/Volume: 100 mL
Date Prepared:	04/21/2008 1156		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		1000		0.57

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-TCLP

Method:	6010B	Analysis Batch: 680-103917	Instrument ID: ICP/AES
Preparation:	3010A	Prep Batch: 680-103742	Lab File ID: N/A
Dilution:	1.0	Leachate Batch: 680-103652	Initial Weight/Volume: 5 mL
Date Analyzed:	04/22/2008 2313		Final Weight/Volume: 50 mL
Date Prepared:	04/22/2008 1051		
Date Leached:	04/21/2008 1200		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Lead		5.3		0.20

APPENDIX A-2

0 ASHLEY STREET PROPERTY
(TAX ID 11-22-01-12-03-1-36)

Client: Golder Associates Inc. Job Number: 680-26827-1

Client Sample ID: **3109-3A**

Lab Sample ID: 680-26827-9 Date Sampled: 05/17/2007 1000
Client Matrix: Solid % Moisture: 11.5 Date Received: 05/18/2007 0923

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082 Analysis Batch: 680-76359 Instrument ID: GC SemiVolatiles - M
Preparation: 3550B Prep Batch: 680-76171 Lab File ID: me29053.d
Dilution: 1.0 Initial Weight/Volume: 15.01 g
Date Analyzed: 05/30/2007 0703 Final Weight/Volume: 5 mL
Date Prepared: 05/29/2007 1100 Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		37	U	37
PCB-1221		76	U	76
PCB-1232		37	U	37
PCB-1242		37	U	37
PCB-1248		80		37
PCB-1254		110		37
PCB-1260		40		37
PCB-1268		37	U	37

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	50	30 - 150
DCB Decachlorobiphenyl	59	30 - 150

Client: Golder Associates Inc.

Job Number: 680-26827-1

Client Sample ID: **3109-3B**

Lab Sample ID: 680-26827-10
Client Matrix: Solid
% Moisture: 14.9
Date Sampled: 05/17/2007 1001
Date Received: 05/18/2007 0923

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 2.0
Date Analyzed: 05/30/2007 0722
Date Prepared: 05/29/2007 1100
Analysis Batch: 680-76359
Prep Batch: 680-76171
Instrument ID: GC SemiVolatiles - M
Lab File ID: me29054.d
Initial Weight/Volume: 15.06 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		77	U	77
PCB-1221		160	U	160
PCB-1232		77	U	77
PCB-1242		77	U	77
PCB-1248		230		77
PCB-1254		700		77
PCB-1260		310		77
PCB-1268		110		77

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	74	30 - 150
DCB Decachlorobiphenyl	97	30 - 150

Client: Golder Associates Inc. Job Number: 680-26827-1

Client Sample ID: **3109-3C**

Lab Sample ID:	680-26827-11			Date Sampled:	05/17/2007 1015
Client Matrix:	Solid	% Moisture:	9.2	Date Received:	05/18/2007 0923

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method:	8081A_8082	Analysis Batch: 680-76359		Instrument ID:	GC SemiVolatiles - M
Preparation:	3550B	Prep Batch: 680-76171		Lab File ID:	me29055.d
Dilution:	4.0			Initial Weight/Volume:	15.07 g
Date Analyzed:	05/30/2007 0742			Final Weight/Volume:	5 mL
Date Prepared:	05/29/2007 1100			Injection Volume:	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		140	U	140
PCB-1221		290	U	290
PCB-1232		140	U	140
PCB-1242		140	U	140
PCB-1248		140	U	140
PCB-1254		2500		140
PCB-1260		980		140
PCB-1268		250		140

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	85	30 - 150
DCB Decachlorobiphenyl	82	30 - 150

Client: Golder Associates Inc.

Job Number: 680-46690-1
Sdg Number: SRAA45

Client Sample ID: **3109-3D**

Lab Sample ID: 680-46690-2
Client Matrix: Solid
% Moisture: 20.3
Date Sampled: 04/21/2009 1355
Date Received: 04/23/2009 0857

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method: 8081A_8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 05/01/2009 0337
Date Prepared: 04/29/2009 1916
Analysis Batch: 680-136727
Prep Batch: 680-136484
Instrument ID: GC SemiVolatiles - M
Lab File ID: md29131.d
Initial Weight/Volume: 15.02 g
Final Weight/Volume: 5 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		41	U	41
PCB-1221		84	U	84
PCB-1232		41	U	41
PCB-1242		41	U	41
PCB-1248		41	U	41
PCB-1254		490		41
PCB-1260		240		41
PCB-1268		160		41

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	123		26 - 140
DCB Decachlorobiphenyl	308	X	50 - 129

Client: Golder Associates Inc.

Job Number: 680-26827-1

Client Sample ID: **3109-3A**

Lab Sample ID: 680-26827-9
Client Matrix: Solid

% Moisture: 11.5

Date Sampled: 05/17/2007 1000
Date Received: 05/18/2007 0923

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/22/2007 0725
Date Prepared: 05/21/2007 0840

Analysis Batch: 680-75750
Prep Batch: 680-75488

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 1.11 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		110		0.51

Client: Golder Associates Inc.

Job Number: 680-26827-1

Client Sample ID: **3109-3B**

Lab Sample ID: 680-26827-10
Client Matrix: Solid

% Moisture: 14.9

Date Sampled: 05/17/2007 1001
Date Received: 05/18/2007 0923

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/22/2007 0729
Date Prepared: 05/21/2007 0840

Analysis Batch: 680-75750
Prep Batch: 680-75488

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 1.09 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		650		0.54

Client: Golder Associates Inc.

Job Number: 680-26827-1

Client Sample ID: **3109-3C**

Lab Sample ID: 680-26827-11
Client Matrix: Solid

% Moisture: 9.2

Date Sampled: 05/17/2007 1015
Date Received: 05/18/2007 0923

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/22/2007 0734
Date Prepared: 05/21/2007 0840

Analysis Batch: 680-75750
Prep Batch: 680-75488

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 1.06 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		960		0.52

Client: Golder Associates Inc.

Job Number: 680-46690-1
Sdg Number: SRAA45

Client Sample ID: **3109-3D**

Lab Sample ID:	680-46690-2			Date Sampled:	04/21/2009 1355
Client Matrix:	Solid	% Moisture:	20.3	Date Received:	04/23/2009 0857

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 680-136429		Instrument ID:	ICP/AES - D
Preparation:	3050B	Prep Batch: 680-136166		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.14 g
Date Analyzed:	04/28/2009 2350			Final Weight/Volume:	100 mL
Date Prepared:	04/27/2009 1155				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		170		0.55

Client: Golder Associates Inc.

Job Number: 680-26827-2

Client Sample ID: **3109-3B**

Lab Sample ID: 680-26827-10
Client Matrix: Solid

Date Sampled: 05/17/2007 1001
Date Received: 05/18/2007 0923

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-TCLP

Method:	6010B	Analysis Batch: 680-76978		Instrument ID:	ICP/AES
Preparation:	3010A	Prep Batch: 680-76901		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 680-76767		Initial Weight/Volume:	5 mL
Date Analyzed:	06/06/2007 0122			Final Weight/Volume:	50 mL
Date Prepared:	06/05/2007 1147				
Date Leached:	06/04/2007 1243				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Lead		0.20	U	0.20

Client: Golder Associates Inc. Job Number: 680-26827-2

Client Sample ID: **3109-3C**

Lab Sample ID:	680-26827-11	Date Sampled:	05/17/2007 1015
Client Matrix:	Solid	Date Received:	05/18/2007 0923

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-TCLP

Method:	6010B	Analysis Batch: 680-76978		Instrument ID:	ICP/AES
Preparation:	3010A	Prep Batch: 680-76901		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 680-76767		Initial Weight/Volume:	5 mL
Date Analyzed:	06/06/2007 0127			Final Weight/Volume:	50 mL
Date Prepared:	06/05/2007 1147				
Date Leached:	06/04/2007 1243				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Lead		2.3		0.20

Client: Golder Associates Inc. Job Number: 680-28945-1

Client Sample ID: **3109-24B**

Lab Sample ID: 680-28945-1 Date Sampled: 08/02/2007 0840
Client Matrix: Solid % Moisture: 23.1 Date Received: 08/03/2007 0906

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082 Analysis Batch: 680-82730 Instrument ID: GC SemiVolatiles - M
Preparation: 3550B Prep Batch: 680-82260 Lab File ID: mh10157.d
Dilution: 4.0 Initial Weight/Volume: 15.09 g
Date Analyzed: 08/12/2007 1319 Final Weight/Volume: 5 mL
Date Prepared: 08/10/2007 0945 Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		170	U	170
PCB-1221		350	U	350
PCB-1232		170	U	170
PCB-1242		170	U	170
PCB-1248		2500		170
PCB-1254		4000		170
PCB-1260		980 J		170
PCB-1268		250		170

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	93	26 - 140
DCB Decachlorobiphenyl	115	50 - 129

Client: Golder Associates Inc. Job Number: 680-28945-1

Client Sample ID: **3109-24B-X**

Lab Sample ID: 680-28945-2 Date Sampled: 08/02/2007 0840
Client Matrix: Solid % Moisture: 22.8 Date Received: 08/03/2007 0906

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082 Analysis Batch: 680-82730 Instrument ID: GC SemiVolatiles - M
Preparation: 3550B Prep Batch: 680-82260 Lab File ID: mh10158.d
Dilution: 4.0 Initial Weight/Volume: 15.01 g
Date Analyzed: 08/12/2007 1338 Final Weight/Volume: 5 mL
Date Prepared: 08/10/2007 0945 Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		170	U	170
PCB-1221		350	U	350
PCB-1232		170	U	170
PCB-1242		170	U	170
PCB-1248		1800		170
PCB-1254		4900		170
PCB-1260		1600 J		170
PCB-1268		520		170

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	115	26 - 140
DCB Decachlorobiphenyl	99	50 - 129

Client: Golder Associates Inc.

Job Number: 680-28945-1

Client Sample ID: **3109-24C**

Lab Sample ID: 680-28945-3
Client Matrix: Solid

% Moisture: 24.3

Date Sampled: 08/02/2007 0855
Date Received: 08/03/2007 0906

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 10
Date Analyzed: 08/12/2007 1358
Date Prepared: 08/10/2007 0945

Analysis Batch: 680-82730
Prep Batch: 680-82260

Instrument ID: GC SemiVolatiles - M
Lab File ID: mh10159.d
Initial Weight/Volume: 15.03 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		440	U	440
PCB-1221		880	U	880
PCB-1232		440	U	440
PCB-1242		440	U	440
PCB-1248		3300		440
PCB-1254		8600		440
PCB-1260		3400		440
PCB-1268		1600		440

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	0	D	26 - 140
DCB Decachlorobiphenyl	0	D	50 - 129

Client: Golder Associates Inc.

Job Number: 680-28945-1

Client Sample ID: **3109-24B**

Lab Sample ID:	680-28945-1			Date Sampled:	08/02/2007 0840
Client Matrix:	Solid	% Moisture:	23.1	Date Received:	08/03/2007 0906

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 680-82624		Instrument ID:	ICP/AES
Preparation:	3050B	Prep Batch: 680-82469		Lab File ID:	N/A
Dilution:	5.0			Initial Weight/Volume:	1.08 g
Date Analyzed:	08/10/2007 1243			Final Weight/Volume:	100 mL
Date Prepared:	08/09/2007 1323				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		3900	J	3.0

Client: Golder Associates Inc.

Job Number: 680-28945-1

Client Sample ID: **3109-24B-X**

Lab Sample ID: 680-28945-2
Client Matrix: Solid

% Moisture: 22.8

Date Sampled: 08/02/2007 0840
Date Received: 08/03/2007 0906

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 5.0
Date Analyzed: 08/10/2007 1247
Date Prepared: 08/09/2007 1323

Analysis Batch: 680-82624
Prep Batch: 680-82469

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 1.11 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		3000	J	2.9

Client: Golder Associates Inc.

Job Number: 680-28945-1

Client Sample ID: **3109-24C**

Lab Sample ID:	680-28945-3			Date Sampled:	08/02/2007 0855
Client Matrix:	Solid	% Moisture:	24.3	Date Received:	08/03/2007 0906

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 680-82624		Instrument ID:	ICP/AES
Preparation:	3050B	Prep Batch: 680-82469		Lab File ID:	N/A
Dilution:	5.0			Initial Weight/Volume:	1.10 g
Date Analyzed:	08/10/2007 1255			Final Weight/Volume:	100 mL
Date Prepared:	08/09/2007 1323				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		3600 J		3.0

Client: Golder Associates Inc.

Job Number: 680-28945-2

Client Sample ID: **3109-24B**

Lab Sample ID: 680-28945-1
Client Matrix: Solid

Date Sampled: 08/02/2007 0840
Date Received: 08/03/2007 0906

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-TCLP

Method:	6010B	Analysis Batch: 680-83688		Instrument ID:	ICP/AES
Preparation:	3010A	Prep Batch: 680-83496		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 680-82979		Initial Weight/Volume:	5 mL
Date Analyzed:	08/22/2007 1925			Final Weight/Volume:	50 mL
Date Prepared:	08/22/2007 1038				
Date Leached:	08/15/2007 1300				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Lead		31	J	0.20

Client: Golder Associates Inc.

Job Number: 680-28945-2

Client Sample ID: **3109-24B-X**

Lab Sample ID: 680-28945-2
Client Matrix: Solid

Date Sampled: 08/02/2007 0840
Date Received: 08/03/2007 0906

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-TCLP

Method:	6010B	Analysis Batch: 680-83688		Instrument ID:	ICP/AES
Preparation:	3010A	Prep Batch: 680-83496		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 680-82979		Initial Weight/Volume:	5 mL
Date Analyzed:	08/22/2007 1940			Final Weight/Volume:	50 mL
Date Prepared:	08/22/2007 1038				
Date Leached:	08/15/2007 1300				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Lead		73 J		0.20

Client: Golder Associates Inc. Job Number: 680-28945-2

Client Sample ID: 3109-24C

Lab Sample ID: 680-28945-3 Date Sampled: 08/02/2007 0855
Client Matrix: Solid Date Received: 08/03/2007 0906

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-TCLP

Method:	6010B	Analysis Batch: 680-83688		Instrument ID:	ICP/AES
Preparation:	3010A	Prep Batch: 680-83496		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 680-82979		Initial Weight/Volume:	5 mL
Date Analyzed:	08/22/2007 1945			Final Weight/Volume:	50 mL
Date Prepared:	08/22/2007 1038				
Date Leached:	08/15/2007 1300				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Lead		37	J	0.20

Client: Golder Associates Inc. Job Number: 680-29478-1

Client Sample ID: **3109-36C**

Lab Sample ID: 680-29478-12 Date Sampled: 08/22/2007 1220
Client Matrix: Solid % Moisture: 14.4 Date Received: 08/24/2007 0912

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082 Analysis Batch: 680-84371 Instrument ID: GC SemiVolatiles - J
Preparation: 3550B Prep Batch: 680-83850 Lab File ID: jh28171.d
Dilution: 20 Initial Weight/Volume: 15.13 g
Date Analyzed: 08/31/2007 0841 Final Weight/Volume: 5 mL
Date Prepared: 08/27/2007 1045 Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		760	U	760
PCB-1221		1600	U	1600
PCB-1232		760	U	760
PCB-1242		760	U	760
PCB-1248		2800		760
PCB-1254		8200		760
PCB-1260		2900		760
PCB-1268		1500		760

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	0	D	26 - 140
DCB Decachlorobiphenyl	0	D	50 - 129

Client: Golder Associates Inc.

Job Number: 680-29478-1

Client Sample ID: **3109-36B**

Lab Sample ID: 680-29478-11
Client Matrix: Solid

% Moisture: 22.6

Date Sampled: 08/22/2007 1235
Date Received: 08/24/2007 0912

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 08/30/2007 0457
Date Prepared: 08/29/2007 0756

Analysis Batch: 680-84236
Prep Batch: 680-84081

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 1.07 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		1400		0.60

Client: Golder Associates Inc.

Job Number: 680-29478-2

Client Sample ID: **3109-48C**

Lab Sample ID: 680-29478-13
Client Matrix: Solid

% Moisture: 19.0

Date Sampled: 08/22/2007 1225
Date Received: 08/24/2007 0912

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082
Preparation: 3550B
Dilution: 100
Date Analyzed: 08/31/2007 1059
Date Prepared: 08/27/2007 1315

Analysis Batch: 680-84371
Prep Batch: 680-83847

Instrument ID: GC SemiVolatiles - J
Lab File ID: jh28177.d
Initial Weight/Volume: 15.03 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL
PCB-1016	4100	U	4100
PCB-1221	8300	U	8300
PCB-1232	4100	U	4100
PCB-1242	4100	U	4100
PCB-1248	4100	U	4100
PCB-1254	56000		4100
PCB-1260	14000		4100
PCB-1268	4100	U	4100

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	0	D	26 - 140
DCB Decachlorobiphenyl	0	D	50 - 129

Client: Golder Associates Inc. Job Number: 680-29877-2

Client Sample ID: **3109-60C**

Lab Sample ID:	680-29877-1			Date Sampled:	08/22/2007 1230
Client Matrix:	Solid	% Moisture:	15.9	Date Received:	09/07/2007 0926

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method:	8081A_8082	Analysis Batch: 680-85177		Instrument ID:	GC SemiVolatiles - K
Preparation:	3550B	Prep Batch: 680-84956		Lab File ID:	ki11023.d
Dilution:	1.0			Initial Weight/Volume:	15.11 g
Date Analyzed:	09/11/2007 2017			Final Weight/Volume:	5 mL
Date Prepared:	09/10/2007 1110			Injection Volume:	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		39	U H UJ	39
PCB-1221		79	U H UJ	79
PCB-1232		39	U H UJ	39
PCB-1242		39	U H UJ	39
PCB-1248		170	HJ	39
PCB-1254		110	HJ	39
PCB-1260		74	HJ	39
PCB-1268		51	HJ	39

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	59		26 - 140
DCB Decachlorobiphenyl	276	X	50 - 129

APPENDIX A-3

505 ASHLEY STREET PROPERTY

Client: Golder Associates Inc. Job Number: 680-26827-1

Client Sample ID: **3194-3A**

Lab Sample ID: 680-26827-12 Date Sampled: 05/17/2007 0940
Client Matrix: Solid % Moisture: 20.0 Date Received: 05/18/2007 0923

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082 Analysis Batch: 680-76359 Instrument ID: GC SemiVolatiles - M
Preparation: 3550B Prep Batch: 680-76171 Lab File ID: me29056.d
Dilution: 1.0 Initial Weight/Volume: 15.02 g
Date Analyzed: 05/30/2007 0801 Final Weight/Volume: 5 mL
Date Prepared: 05/29/2007 1100 Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		41	U	41
PCB-1221		84	U	84
PCB-1232		41	U	41
PCB-1242		41	U	41
PCB-1248		41	U	41
PCB-1254		41	U	41
PCB-1260		180		41
PCB-1268		380		41

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	66		30 - 150
DCB Decachlorobiphenyl	913	X	30 - 150

Client: Golder Associates Inc.

Job Number: 680-46690-1
Sdg Number: SRAA45

Client Sample ID: **3194-3B**

Lab Sample ID: 680-46690-18
Client Matrix: Solid
% Moisture: 25.2
Date Sampled: 04/22/2009 0905
Date Received: 04/23/2009 0857

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method: 8081A_8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 05/01/2009 0847
Date Prepared: 04/29/2009 1916
Analysis Batch: 680-136727
Prep Batch: 680-136484
Instrument ID: GC SemiVolatiles - M
Lab File ID: md29147.d
Initial Weight/Volume: 15.09 g
Final Weight/Volume: 5 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		44	U	44
PCB-1221		89	U	89
PCB-1232		44	U	44
PCB-1242		44	U	44
PCB-1248		44	U	44
PCB-1254		44	U	44
PCB-1260		260		44
PCB-1268		490		44

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	111		26 - 140
DCB Decachlorobiphenyl	1330	X	50 - 129

Client: Golder Associates Inc.

Job Number: 680-46690-1
Sdg Number: SRAA45

Client Sample ID: **3194-3C**

Lab Sample ID: 680-46690-19
Client Matrix: Solid
% Moisture: 38.5
Date Sampled: 04/22/2009 0906
Date Received: 04/23/2009 0857

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method: 8081A_8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 05/01/2009 0907
Date Prepared: 04/29/2009 1916
Analysis Batch: 680-136727
Prep Batch: 680-136484
Instrument ID: GC SemiVolatiles - M
Lab File ID: md29148.d
Initial Weight/Volume: 15.08 g
Final Weight/Volume: 5 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		53	U	53
PCB-1221		110	U	110
PCB-1232		53	U	53
PCB-1242		53	U	53
PCB-1248		53	U	53
PCB-1254		400		53
PCB-1260		400	p U	53
PCB-1268		1400		53

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	121		26 - 140
DCB Decachlorobiphenyl	2090	X	50 - 129

Client: Golder Associates Inc.

Job Number: 680-26827-1

Client Sample ID: **3194-3A**

Lab Sample ID: 680-26827-12
Client Matrix: Solid

% Moisture: 20.0

Date Sampled: 05/17/2007 0940
Date Received: 05/18/2007 0923

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/22/2007 0739
Date Prepared: 05/21/2007 0840

Analysis Batch: 680-75750
Prep Batch: 680-75488

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 1.13 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		160		0.55

Client: Golder Associates Inc.

Job Number: 680-46690-1
Sdg Number: SRAA45

Client Sample ID: **3194-3B**

Lab Sample ID:	680-46690-18			Date Sampled:	04/22/2009 0905
Client Matrix:	Solid	% Moisture:	25.2	Date Received:	04/23/2009 0857

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 680-136429		Instrument ID:	ICP/AES - D
Preparation:	3050B	Prep Batch: 680-136166		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.17 g
Date Analyzed:	04/29/2009 0137			Final Weight/Volume:	100 mL
Date Prepared:	04/27/2009 1155				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		210 J		0.57

Client: Golder Associates Inc.

Job Number: 680-46690-1
Sdg Number: SRAA45

Client Sample ID: **3194-3C**

Lab Sample ID: 680-46690-19
Client Matrix: Solid

% Moisture: 38.5

Date Sampled: 04/22/2009 0906
Date Received: 04/23/2009 0857

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 04/29/2009 0143
Date Prepared: 04/27/2009 1155

Analysis Batch: 680-136429
Prep Batch: 680-136166

Instrument ID: ICP/AES - D
Lab File ID: N/A
Initial Weight/Volume: 1.06 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		270 J		0.77

APPENDIX A - 4
508 LEGRANDE STREET PROPERTY

Client: Golder Associates Inc. Job Number: 680-3107.1

Client Sample ID: **3251-3A**

Lab Sample ID: 680-3107-6 Date Sampled: 04/28/2005 0930
Client Matrix: Solid % Moisture: 21.0 Date Received: 04/29/2005 0908

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082 Analysis Batch: 680-9098 Instrument ID: GC SemiVolatiles - M
Preparation: 3550B Prep Batch: 680-8754 Lab File ID: mma04036.d
Dilution: 1.0 Initial Weight/Volume: 30.03 g
Date Analyzed: 05/04/2005 1910 Final Weight/Volume: 10 mL
Date Prepared: 05/02/2005 1014 Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		42	U	42
PCB-1221		85	U	85
PCB-1232		42	U	42
PCB-1242		42	U	42
PCB-1248		42	U	42
PCB-1254		99	P	42
PCB-1260		220		42
PCB-1268		480		42

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	55		30 - 150
DCB Decachlorobiphenyl	978	*	30 - 150

Client: Golder Associates Inc. Job Number: 680-3107.1

Client Sample ID: **3251-3B**

Lab Sample ID: 680-3107-7 Date Sampled: 04/28/2005 0931
Client Matrix: Solid % Moisture: 29.0 Date Received: 04/29/2005 0908

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082 Analysis Batch: 680-9098 Instrument ID: GC SemiVolatiles - M
Preparation: 3550B Prep Batch: 680-8754 Lab File ID: mma04037.d
Dilution: 1.0 Initial Weight/Volume: 30.00 g
Date Analyzed: 05/04/2005 1930 Final Weight/Volume: 10 mL
Date Prepared: 05/02/2005 1014 Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		47	U	47
PCB-1221		95	U	95
PCB-1232		47	U	47
PCB-1242		47	U	47
PCB-1248		47	U	47
PCB-1254		47	U	47
PCB-1260		130		47
PCB-1268		380		47

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	61		30 - 150
DCB Decachlorobiphenyl	767	*	30 - 150

Client: Golder Associates Inc.

Job Number: 680-3107.1

Client Sample ID: **3251-3A**

Lab Sample ID:	680-3107-6			Date Sampled:	04/28/2005 0930
Client Matrix:	Solid	% Moisture:	21.0	Date Received:	04/29/2005 0908

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch:	680-9054	Instrument ID:	ICP/AES
Preparation:	3050B	Prep Batch:	680-8841	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.52 g
Date Analyzed:	05/03/2005 1845			Final Weight/Volume:	50 mL
Date Prepared:	05/03/2005 0810				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		170		0.61

Client: Golder Associates Inc.

Job Number: 680-3107.1

Client Sample ID: **3251-3B**

Lab Sample ID:	680-3107-7			Date Sampled:	04/28/2005 0931
Client Matrix:	Solid	% Moisture:	29.0	Date Received:	04/29/2005 0908

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch:	680-9054	Instrument ID:	ICP/AES
Preparation:	3050B	Prep Batch:	680-8841	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.56 g
Date Analyzed:	05/03/2005 1849			Final Weight/Volume:	50 mL
Date Prepared:	05/03/2005 0810				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		130		0.63

APPENDIX B
PHOTOGRAPHS

Photographs

Photograph 1 – Test pit excavation showing auto fluff debris and reddish cover soils.

Photograph 2 – Excavating through cover soils into auto fluff debris.

Photographs

Photograph 3 – Test pit excavation showing discolored auto fluff debris.

Photograph 4 – Auto fluff debris excavated from test pit is shown adjacent to the pit and within the bucket of the backhoe.

APPENDIX C

SOIL SAMPLE LOGS

APPENDIX C-1

510 LEGRANDE STREET PROPERTY

ANNISTON – PCB
Phase III Sampling
Sample Log Sheet

SAMPLE ID FC2-0060-A,B,C,D,E

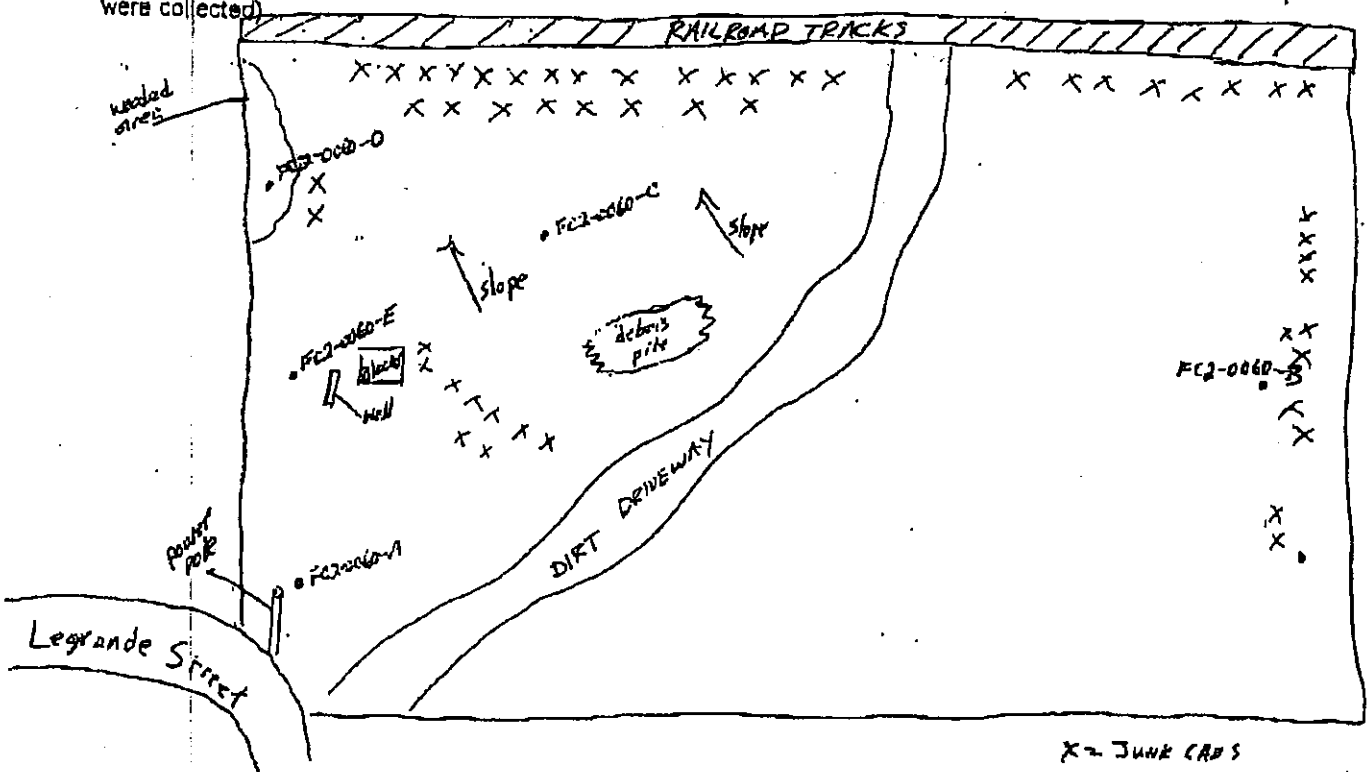
DATE/TIME: 05/05/00 1540, 1550, 1555, 1600, 1605

☐ PCB/METAL/CYANIDE ☐ VOC ☐ WASTE ☐ WELL WATER ☐ FIELD SCREEN SPLIT ☐ CONGENER

SAMPLE AREA DESCRIPTION (PROPERTY ADDRESS, ETC.):

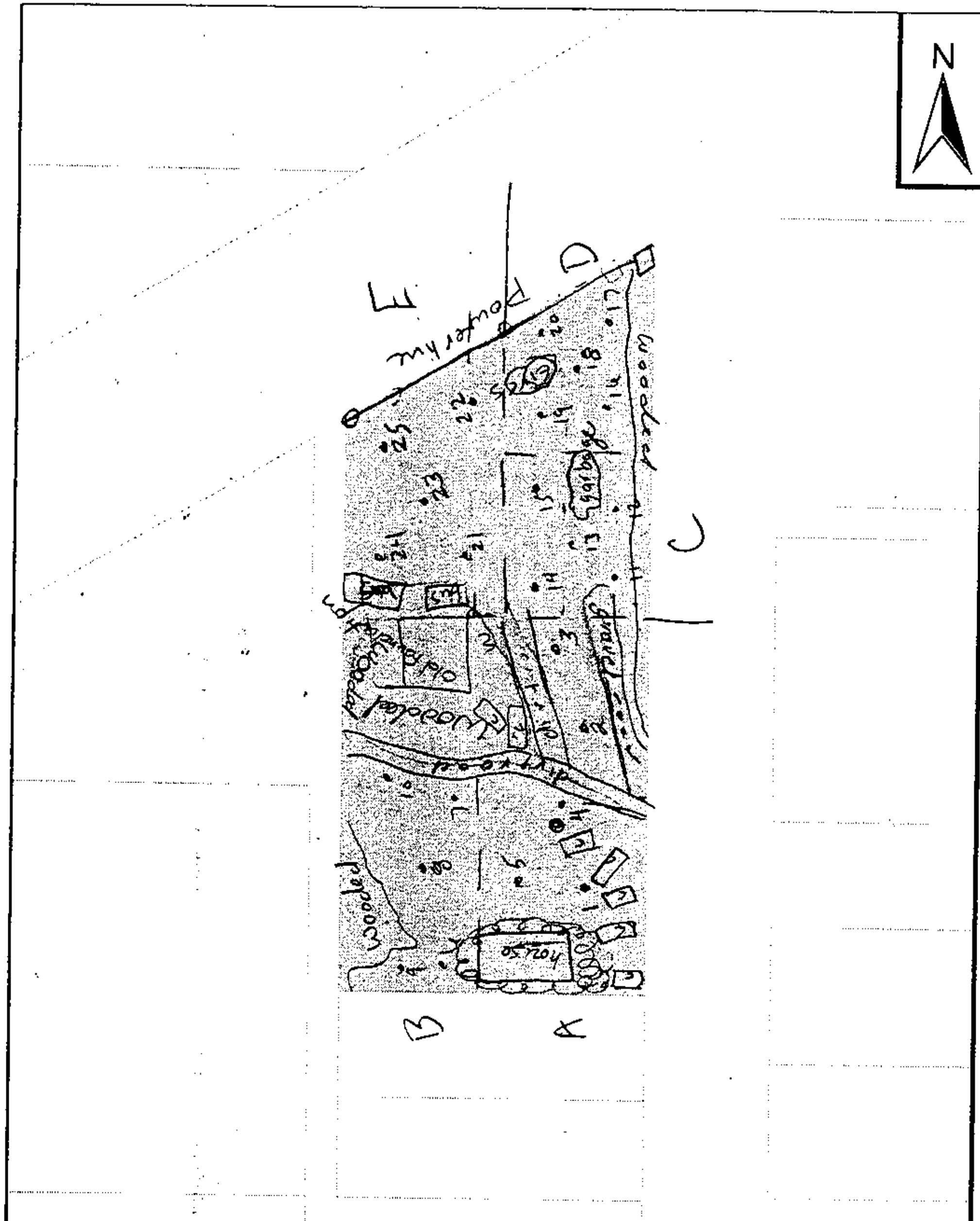
510 Legrande Street

SKETCH (Provide approximate distance from landmark-street,house,etc. and indicate locations where samples were collected)



Prepared By: _____

Name

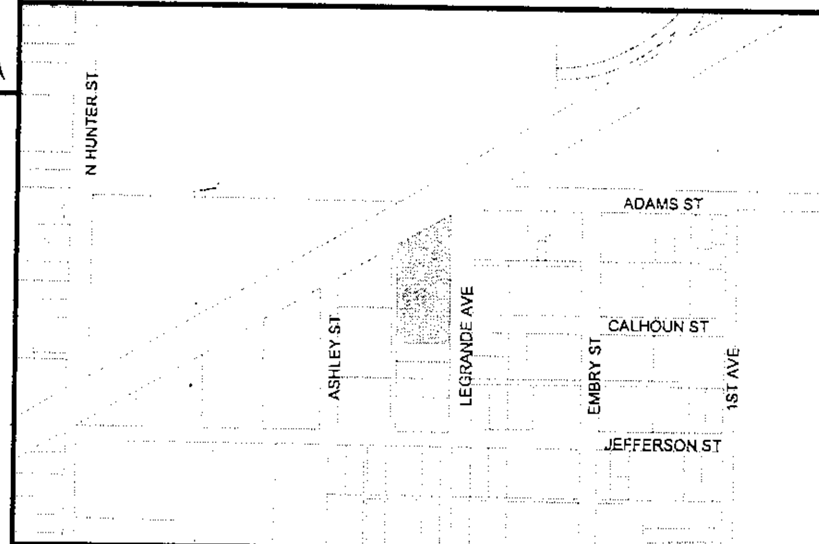


20 0 20 40 Feet

Parcel ID: 3070

Location: 510 LEGRANDE ST

Area: 1.05 acre



Date Sampled: ~~4/28/05~~ 5/9/05

Type: X Surface ___Depth ___Dust ___Confirmatory

Crawlspace? ___Yes ___No If yes, accessible? ___Yes ___No

EPA Oversight Initials ___________

SOIL (SOLID) SAMPLING LOG

roject Number 043-3746.OU1 Page 1 of 5

vent AOC/CD Residential Sampling Parcel Number/Location 3070/510 Lagrande

ubevent Check One: ☒ Front Yard ☐ Back Yard ☐ Side/Misc Yard

ampler(s) JAT / KEB CoC ID #1 3070-3A ☒S ☐D ☐B ☐MS/MSD

CoC ID #2 ☐S ☐D ☐B ☐MS/MSD

CoC ID #3 ☐S ☐D ☐B ☐MS/MSD

ate 5/9/05 CoC ID #4 ☐S ☐D ☐B ☐MS/MSD

egin Time 1435 CoC ID #5 ☐S ☐D ☐B ☐MS/MSD

nd Time 1444 CoC ID #6 ☐S ☐D ☐B ☐MS/MSD

Min Depth (in.) 0 Composite ☒

Max Depth (in.) 3 Grab ☐

ample Composite Includes Soil From Sample ocations (indicated on the locator form): 1-5

ample Locations Measured By: ☐ Tape (See locator form) ☒ GPS

oordinates/Measurements: ☐ See attached sheet

Point # ____ N ____ E ____

Point # ____ N ____ E ____

Point # ____ N ____ E ____

Point # ____ N ____ E ____

Point # ____ N ____ E ____

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): dark brown & reddish brown sandy silt

Check if applicable: ☐ Fill ☒ Native ☐ Other ____

☐ Pot'l Foundry Mat'l Describe ____ Picture F/N ____

☒ Debris Found Describe glass

☐ Odor Describe ____

Sampling Method/Material Stainless steel auger, bowl and spoon

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
1	4 oz. Glass - PCB (soil)
1	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)
1	Munsell

Remarks/Comments: ____

ABBREVIATIONS

S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page 2 of 5

Event AOC/CD Residential Sampling Parcel Number/Location 3070 - 510 Lagrande

Subevent Check One: ☐ Front Yard ☑ Back Yard ☐ Side/Misc Yard

Sampler(s) JAT / KEB CoC ID #1 3070-3B ☑S ☐D ☐B ☐MS/MSD

CoC ID #2 ☐S ☐D ☐B ☐MS/MSD

CoC ID #3 ☐S ☐D ☐B ☐MS/MSD

Date 5/9/05 CoC ID #4 ☐S ☐D ☐B ☐MS/MSD

Begin Time 1440 CoC ID #5 ☐S ☐D ☐S ☐MS/MSD

End Time 1456 CoC ID #6 ☐S ☐D ☐B ☐MS/MSD

Min Depth (in.) 0 Composite ☑

Max Depth (in.) 3 Grab ☐

Sample Composite Includes Soil From Sample Locations (indicated on the locator form): 6-10

Sample Locations Measured By: ☐ Tape (See locator form) ☑ GPS

Coordinates/Measurements: ☐ See attached sheet

Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): dark brown & reddish brown sandy silt

Check if applicable: ☑ Fill ☑ Native ☐ Other

☑ Pot'l Foundry Mat'l Describe coke Picture F/N

☐ Debris Found Describe

☐ Odor Describe

Sampling Method/Material Stainless steel auger, bowl and spoon

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
1	4 oz. Glass - PCB (soil)
1	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)
1	Menzie

Remarks/Comments:

ABBREVIATIONS

S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

SOIL (SOLID) SAMPLING LOG

roject Number 043-3746.OU1 Page 3 of 5

vent AOC/CD Residential Sampling Parcel Number/Location 3070 / 510 Tagrande

ubevent Check One: ☐ Front Yard ☐ Back Yard ☒ Side/Misc Yard

ampler(s) JAT / KEB CoC ID #1 3070-3C ☒S ☐D ☐B ☐MS/MSD

CoC ID #2 ☐S ☐D ☐B ☐MS/MSD

CoC ID #3 ☐S ☐D ☐B ☐MS/MSD

Date 5/9/05 CoC ID #4 ☐S ☐D ☐B ☐MS/MSD

Begin Time 1450 CoC ID #5 ☐S ☐D ☐B ☐MS/MSD

End Time 1500 CoC ID #6 ☐S ☐D ☐B ☐MS/MSD

Min Depth (in.) 0 Composite ☒

Max Depth (in.) 3 Grab ☐

Sample Composite Includes Soil From Sample Locations (indicated on the locator form): 11-15

Sample Locations Measured By: ☐ Tape (See locator form) ☒ GPS

Coordinates/Measurements: ☐ See attached sheet

Point # ____ N ____ E ____

Point # ____ N ____ E ____

Point # ____ N ____ E ____

Point # ____ N ____ E ____

Point # ____ N ____ E ____

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): reddish brown sandy silt

Check if applicable: ☐ Fill ☒ Native ☐ Other

☒ Poss Foundry Matl Describe coke Picture F/N

☒ Debris Found Describe plastic / glass

☐ Odor Describe

Sampling Method/Material Stainless steel auger, bowl and spoon

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
1	4 oz. Glass - PCB (soil)
1	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)
1	Menzie

Remarks/Comments:

ABBREVIATIONS

S = Original Sample FB = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page 4 of 5

Event AOC/CD Residential Sampling Parcel Number/Location 3070 / 510 Zagrand

Subevent Check One: ☐ Front Yard ☐ Back Yard ☒ Side/Misc Yard

Sampler(s) JAT/KEB

CoC ID #1	3070 - 3D	☒S	☐D	☐B	☐MS/MSD
CoC ID #2		☐S	☐D	☐B	☐MS/MSD
CoC ID #3		☐S	☐D	☐B	☐MS/MSD
CoC ID #4		☐S	☐D	☐B	☐MS/MSD
CoC ID #5		☐S	☐D	☐B	☐MS/MSD
CoC ID #6		☐S	☐D	☐B	☐MS/MSD

Date 5/9/05

Begin Time 1500

End Time 1510

Min Depth (in.) 0

Max Depth (in.) 3

Composite ☒

Grab ☐

Sample Composite Includes Soil From Sample Locations (indicated on the locator form): 16-20

Sample Locations Measured By: ☐ Tape (See locator form) ☒ GPS

Coordinates/Measurements: ☐ See attached sheet

Point #		N		E
Point #		N		E
Point #		N		E
Point #		N		E
Point #		N		E

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): dark reddish brown sandy silt

Check if applicable: ☒ Fill ☒ Native ☐ Other

☐ Pot'l Foundry Mat'l Describe Picture F/N

☐ Debris Found Describe

☐ Odor Describe

Sampling Method/Material Stainless steel auger, bowl and spoon

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
1	4 oz. Glass - PCB (soil)
1	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)
1	Menzie

Remarks/Comments:

ABBREVIATIONS

S = Original Sample FB = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page 5 of 5

Event AOC/CD Residential Sampling Parcel Number/Location 3070 - 510 Ingrandi St

Subevent Check One: ☐ Front Yard ☐ Back Yard ☒ Side/Misc Yard

Sampler(s) JAT / KEB

CoC ID #1	3070 - 3E	☒S	☐D	☐B	☐MS/MSD
CoC ID #2		☐S	☐D	☐B	☐MS/MSD
CoC ID #3		☐S	☐D	☐B	☐MS/MSD
CoC ID #4		☐S	☐D	☐B	☐MS/MSD
CoC ID #5		☐S	☐D	☐S	☐MS/MSD
CoC ID #6		☐S	☐D	☐B	☐MS/MSD

Date 5/9/05

Begin Time 1505

End Time 1515

Min Depth (in.) 0

Max Depth (in.) 3

Composite ☒

Grab ☐

Sample Composite Includes Soil From Sample Locations (indicated on the locator form): 21-25

Sample Locations Measured By: ☐ Tape (See locator form) ☒ GPS

Coordinates/Measurements: ☐ See attached sheet

Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): reddish brown sandy silt

Check if applicable: ☐ Fill ☒ Native ☐ Other

☐ Pot'l Foundry Mat'l Describe Picture F/N

☐ Debris Found Describe

☐ Odor Describe

Sampling Method/Material Stainless steel auger, bowl and spoon

CONTAINER AND ANALYSES DESCRIPTION

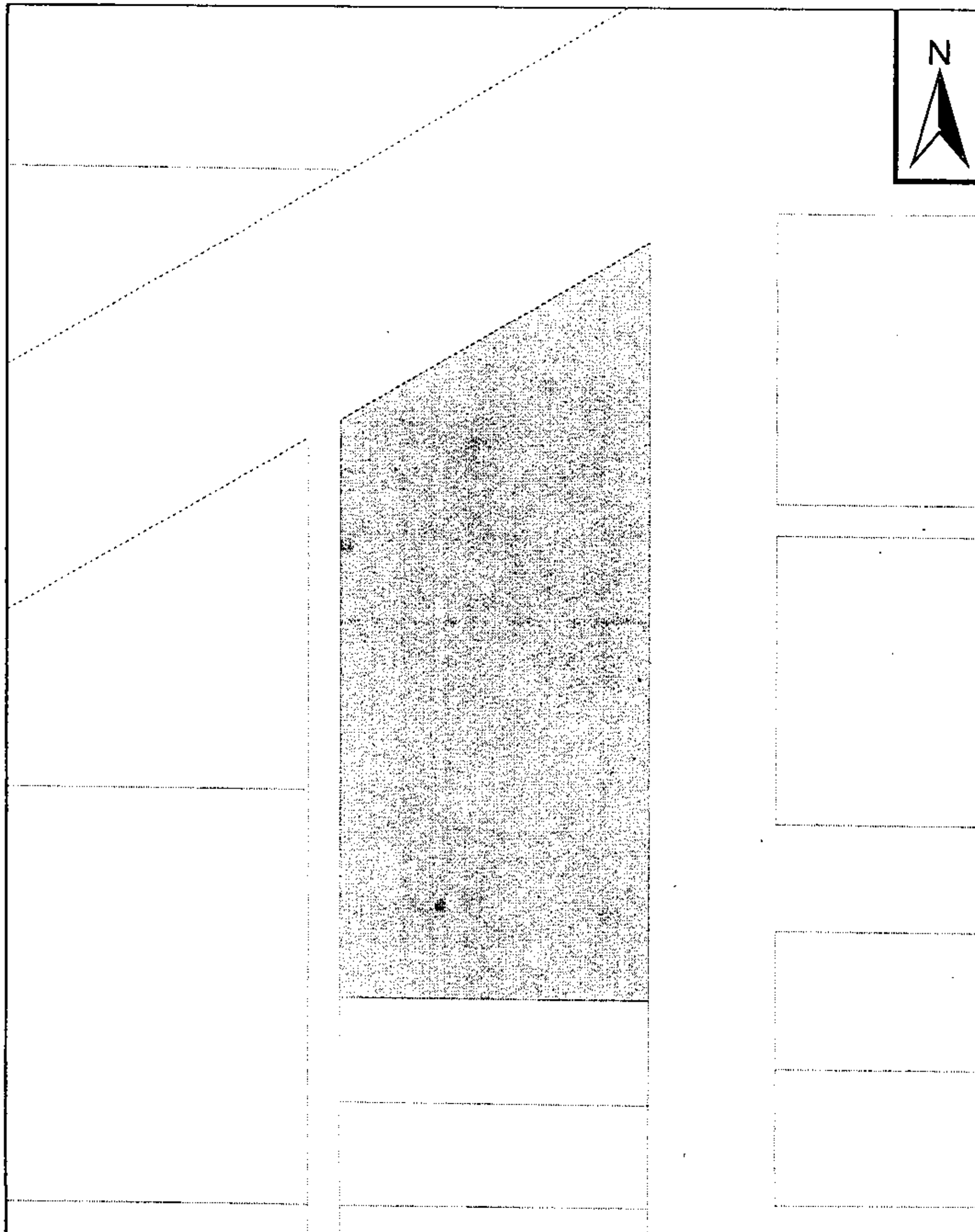
Quantity	Container and Analysis
1	4 oz. Glass - PCB (soil)
1	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)
1	Menzie

Remarks/Comments:

ABBREVIATIONS

S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

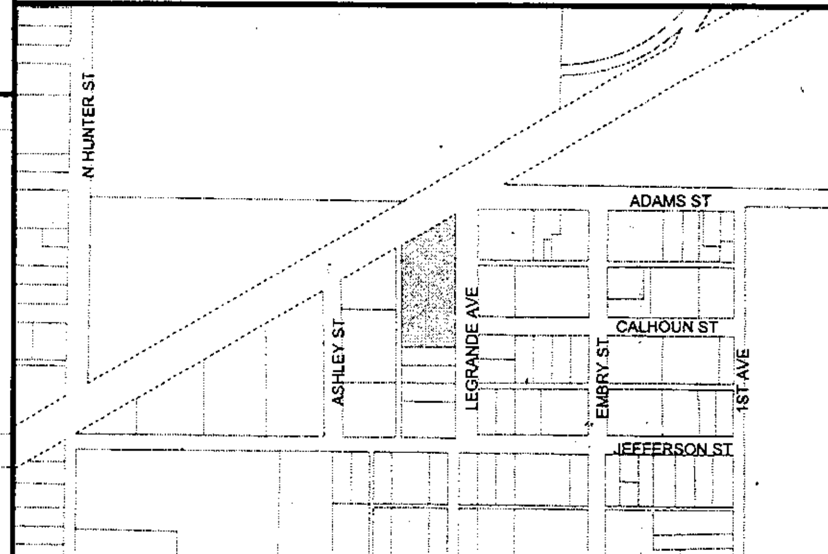


20 0 20 40 Feet

Parcel ID: 3070

Location: 510 LEGRANDE ST

Area: 1.05 acre



See attached

Date Sampled: 6/8/05

Type: ____Surface ____Depth ____Dust ____Confirmatory

Crawlspace? ____Yes ____No If yes, accessible? ____Yes ____No

EPA Oversight Initials (OK)

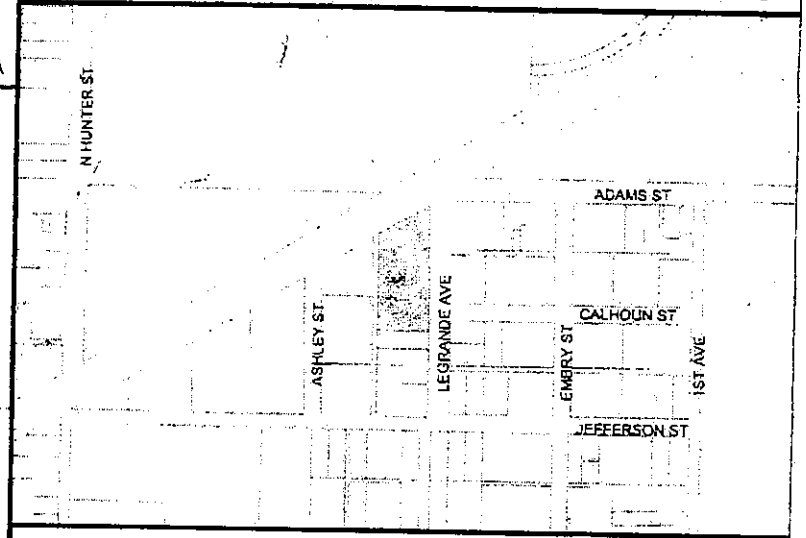
house on blocks

Edits okay'd by (OK)

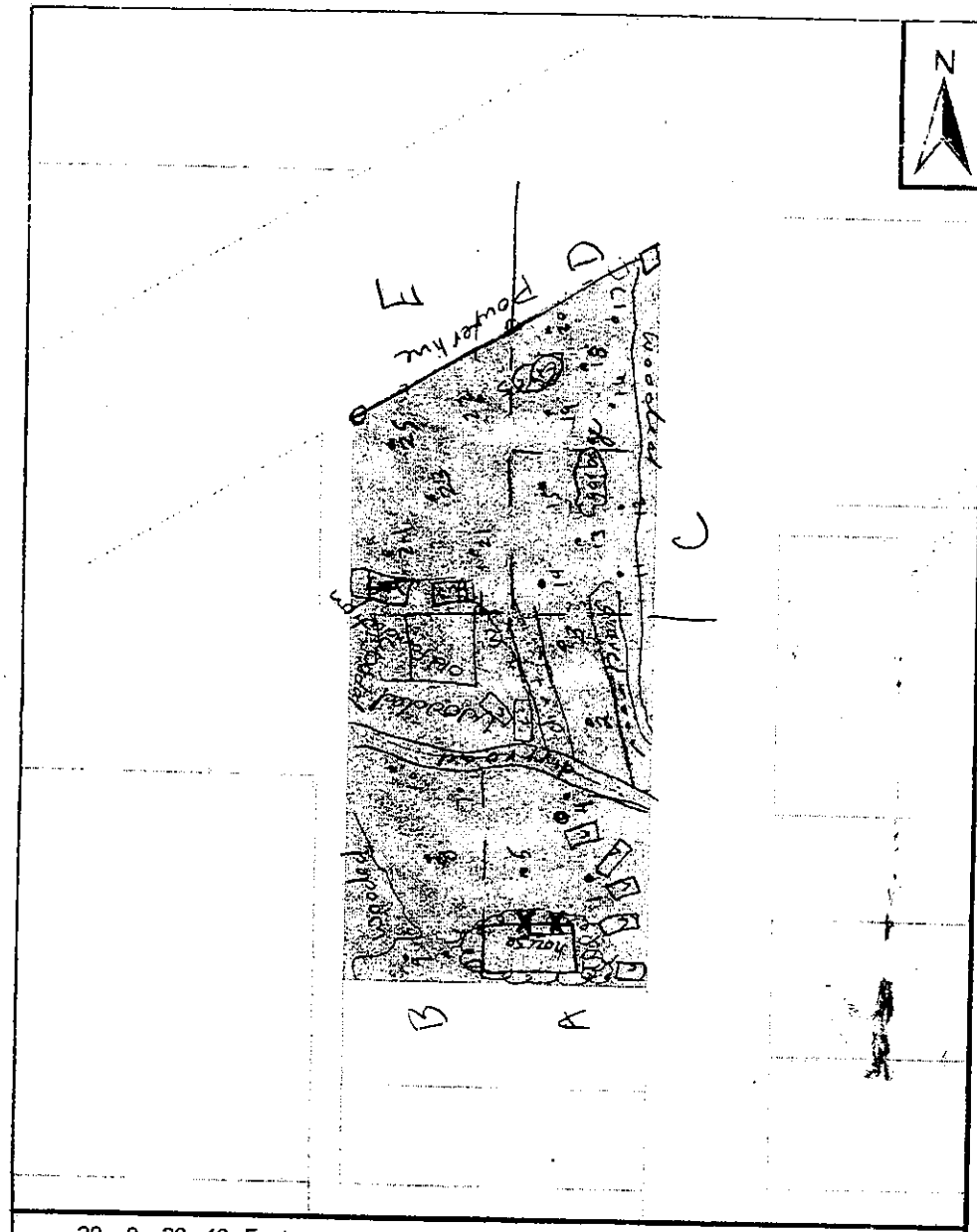
Parcel ID: 3070

Location: 510 LEGRANDE ST

Area: 1.05 acre



X crawlspace points



Date Sampled: ~~4/28/05~~ 5/9/05

Type: X Surface ___ Depth ___ Dust ___ Confirmatory

Crawlspace? ___ Yes ___ No If yes, accessible? ___ Yes ___ No

EPA Oversight Initials _____

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page 2 of 6

Event AOC/CD Residential Sampling
Subevent
Sampler(s) TJM

Date 6/8/05
Begin Time 1145
End Time 1210

Parcel Number/Location 3070 - 510 Lagrande
Check One: ☐ Front Yard ☐ Back Yard ☒ Side/Misc Yard

CoC ID #1	3070 - 24C	☒S	☐D	☐B	☐MS/MSD
CoC ID #2		☐S	☐D	☐B	☐MS/MSD
CoC ID #3		☐S	☐D	☐B	☐MS/MSD
CoC ID #4		☐S	☐D	☐B	☐MS/MSD
CoC ID #5		☐S	☐D	☐B	☐MS/MSD
CoC ID #6		☐S	☐D	☐B	☐MS/MSD

Min Depth (in.) 12
Max Depth (in.) 21

Composite ☒
Grab ☐

Sample Composite Includes Soil From Sample Locations (indicated on the locator form): 11 - 15

Sample Locations Measured By: ☐ Tape (See locator form) ☒ GPS

Coordinates/Measurements: ☐ See attached sheet

Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): brown silty Sand, trace gravel

Check if applicable: ☒ Fill ☐ Native ☐ Other
☐ Pot'l Foundry Mat'l Describe
☒ Debris Found Describe rubber, Plastic
☐ Odor Describe
Picture F/N

Sampling Method/Material Stainless steel auger, bowl and spoon

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
1	4 oz. Glass - PCB (soil)
1	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)
1	Menzie

Remarks/Comments:

ABBREVIATIONS

S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page 4 of 6

Event AOC/CD Residential Sampling
Subevent
Sampler(s) KEB / MCP

Date 6/8/05
Begin Time 1155
End Time 1230

Parcel Number/Location 3070 - 510 Lagrande
Check One: ☐ Front Yard ☐ Back Yard ☒ Side/Misc Yard

CoC ID #1	3070 - 24D	☒S	☐D	☐B	☐MS/MSD
CoC ID #2		☐S	☐D	☐B	☐MS/MSD
CoC ID #3		☐S	☐D	☐B	☐MS/MSD
CoC ID #4		☐S	☐D	☐B	☐MS/MSD
CoC ID #5		☐S	☐D	☐B	☐MS/MSD
CoC ID #6		☐S	☐D	☐B	☐MS/MSD

Min Depth (in.) 12
Max Depth (in.) 24

Composite ☒
Grab ☐

Sample Composite Includes Soil From Sample Locations (indicated on the locator form): 16-20

Sample Locations Measured By: ☐ Tape (See locator form) ☒ GPS

Coordinates/Measurements: ☐ See attached sheet

Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): dark brown silty sand, trace gravel

Check if applicable: ☒ Fill ☐ Native ☐ Other
☐ Pot'l Foundry Mat'l Describe
☒ Debris Found Describe glass, rubber, plastic, metal
☐ Odor Describe
Picture F/N

Sampling Method/Material Stainless steel auger, bowl and spoon

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
1	4 oz. Glass - PCB (soil)
	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)
1	Menzie

Remarks/Comments:

ABBREVIATIONS

S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page 6 of 6

Event AOC/CD Residential Sampling Parcel Number/Location 3070 - 510 Lagrande

Subevent Check One: ☐ Front Yard ☐ Back Yard ☒ Side/Misc Yard

Sampler(s) MCP CoC ID #1 3070 -24E ☐S ☐D ☐B ☐MS/MSD

CoC ID #2 ☐S ☐D ☐B ☐MS/MSD

CoC ID #3 ☐S ☐D ☐B ☐MS/MSD

Date 6/8/05 CoC ID #4 ☐S ☐D ☐B ☐MS/MSD

Begin Time 1446 CoC ID #5 ☐S ☐D ☐B ☐MS/MSD

End Time 1515 CoC ID #6 ☐S ☐D ☐B ☐MS/MSD

Min Depth (in.) 12 Composite ☒

Max Depth (in.) 24 Grab ☐

Sample Composite Includes Soil From Sample Locations (indicated on the locator form): 21 - 25

Sample Locations Measured By: ☐ Tape (See locator form) ☒ GPS

Coordinates/Measurements: ☐ See attached sheet

Point # ____ N ____ E ____

Point # ____ N ____ E ____

Point # ____ N ____ E ____

Point # ____ N ____ E ____

Point # ____ N ____ E ____

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): dark brown silty Sand,

Check if applicable: ☒ Fill ☐ Native ☐ Other ____

☐ Pot'l Foundry Mat'l Describe ____ Picture F/N ____

☒ Debris Found Describe rubber, wire, plastic, metal

☐ Odor Describe ____

Sampling Method/Material Stainless steel auger, bowl and spoon

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
1	4 oz. Glass - PCB (soil)
	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)
1	Menzie

Remarks/Comments: ____

ABBREVIATIONS

S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page 1 of 1

Event AOC/CD Residential Sampling
Subevent
Sampler(s) KEB
Date 6/8/05
Begin Time 1445
End Time 1450

Parcel Number/Location 3070 - 510 La Grande
Check One: ☐ Front Yard ☐ Back Yard ☐ Side/Misc Yard

CoC ID #1	3070 - CS	☒S	☐D	☐B	☐MS/MSD
CoC ID #2		☐S	☐D	☐B	☐MS/MSD
CoC ID #3		☐S	☐D	☐B	☐MS/MSD
CoC ID #4		☐S	☐D	☐B	☐MS/MSD
CoC ID #5		☐S	☐D	☐B	☐MS/MSD
CoC ID #6		☐S	☐D	☐B	☐MS/MSD

Min Depth (in.) 0
Max Depth (in.) 3
Composite ☒ 2 pt.
Grab ☐

Sample Composite Includes Soil From Sample Locations (indicated on the locator form):

Sample Locations Measured By: ☐ Tape (See locator form) ☐ GPS

Coordinates/Measurements: ☐ See attached sheet

Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): dark brown silty sand, slightly loamy, moist

Check if applicable: ☐ Fill ☐ Native ☐ Other
☐ Pot'l Foundry Mat'l Describe Picture F/N
☐ Debris Found Describe
☐ Odor Describe

Sampling Method/Material Stainless steel auger, bowl and spoon

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
1	4 oz. Glass - PCB (soil)
	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)

Remarks/Comments:

ABBREVIATIONS

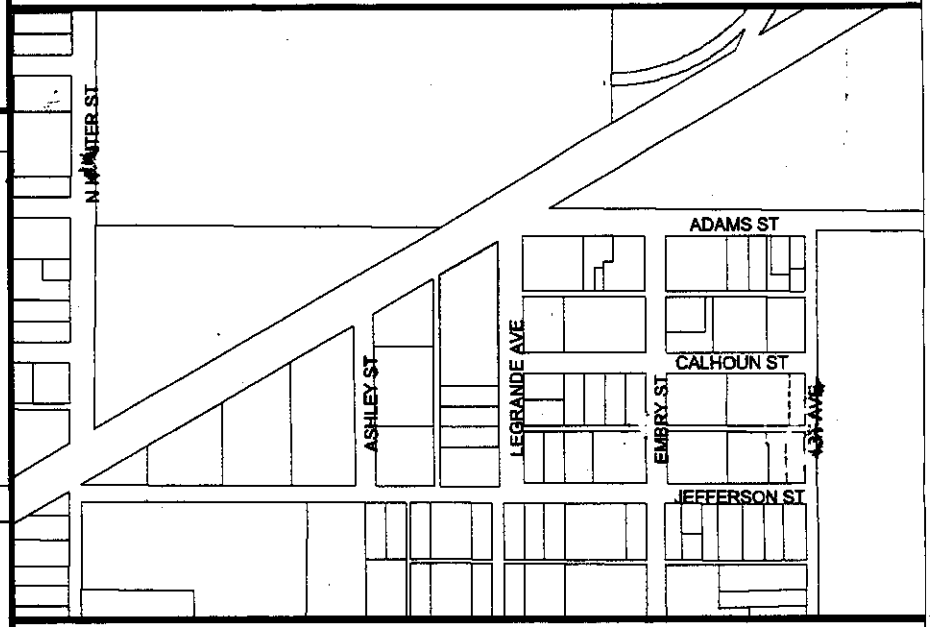
S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

Parcel ID: 3070

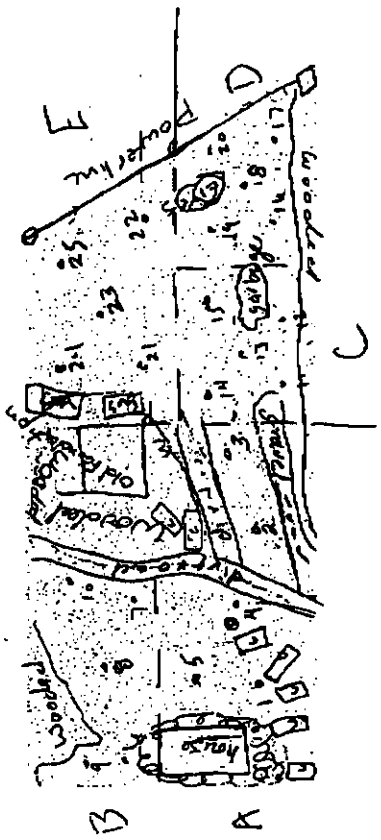
Location: 510 LEGRANDE ST

Area: 1.05 acre



See attached 8/24/05

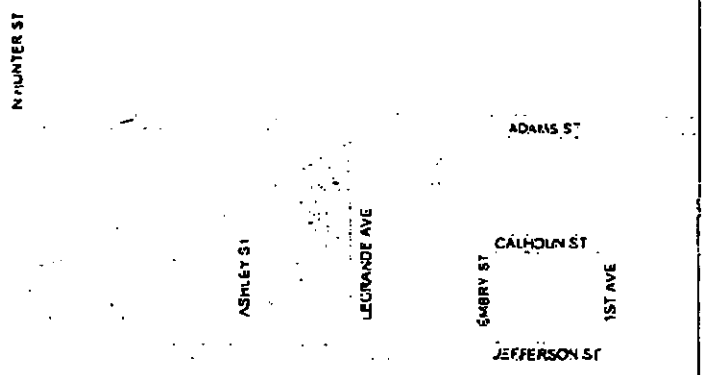
20 0 20 40 Feet



N

20 0 20 40 Feet

Parcel ID: 3070
Location: 510 LEGRANDE ST
Area: 1.05 acre



Date Sampled: ~~4/28/05~~ 5/9/05

Type: X Surface ___Depth ___Dust ___Confirmatory

Crawlspace? ___Yes ___No If yes, accessible? ___Yes ___No

EPA Oversight Initials _____

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1

Page 1 of 6

Event AOC/CD Residential Sampling

Subevent

Sampler(s) JAT

Date 8/24/05

Begin Time ~~1115~~ JB 1550 EGM

End Time 1555

Parcel Number/Location 3070 - 510 Lagrande

Check One: ☐ Front Yard ☐ Back Yard ☒ Side/Misc Yard

CoC ID		S	D	B	MS/MSD
CoC ID #1	3070-36C	☒	☐	☐	☐
CoC ID #2	3070-36C-X	☐	☒	☐	☐ (EGM)
CoC ID #3		☐	☐	☐	☐
CoC ID #4		☐	☐	☐	☐
CoC ID #5		☐	☐	☐	☐
CoC ID #6		☐	☐	☐	☐

Min Depth (in.) 24

Max Depth (in.) 36

Composite ☒

Grab ☐

Sample Composite Includes Soil From Sample Locations (indicated on the locator form): 11-15

Sample Locations Measured By: ☐ Tape (See locator form) ☒ GPS

Coordinates/Measurements: ☐ See attached sheet

Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): dark brown silty sand

Check if applicable: ☒ Fill ☐ Native ☐ Other

☐ Pot'l Foundry Mat'l Describe

Picture F/N

☒ Debris Found Describe wood, plastic, metal rubber

☐ Odor Describe

Sampling Method/Material Stainless steel auger, bowl and spoon + see comments EGM

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
1	4 oz. Glass - PCB (soil)
1	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)
1	Menzie

Remarks/Comments: dug by mini excavator onto plastic

ABBREVIATIONS

S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page 2 of 6

Event AOC/CD Residential Sampling
Subevent
Sampler(s) KEB

Date 8/24/05
Begin Time 1116 KB 1555 EGM
End Time 1560 EGM

Parcel Number/Location 3070 - 510 Lagrande
Check One: ☐ Front Yard ☐ Back Yard ☒ Side/Misc Yard

CoC ID #1	3070-48C	☒S	☐D	☐B	☐MS/MSD
CoC ID #2		☐S	☐D	☐B	☐MS/MSD
CoC ID #3		☐S	☐D	☐B	☐MS/MSD
CoC ID #4		☐S	☐D	☐B	☐MS/MSD
CoC ID #5		☐S	☐D	☐B	☐MS/MSD
CoC ID #6		☐S	☐D	☐B	☐MS/MSD

Min Depth (in.) 36
Max Depth (in.) 48
11-15

Composite ☒
Grab ☐

Sample Composite Includes Soil From Sample Locations (indicated on the locator form):

Sample Locations Measured By: ☐ Tape (See locator form) ☒ GPS

Coordinates/Measurements: ☐ See attached sheet

Point #		N		E
Point #		N		E
Point #		N		E
Point #		N		E
Point #		N		E

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): dark brown silty sand

Check if applicable: ☐ Fill ☐ Native ☐ Other
☐ Pot'l Foundry Mat'l Describe
☒ Debris Found Describe rubber, wood, metal, plastic Picture F/N
☐ Odor Describe

Sampling Method/Material Stainless steel auger, bowl and spoon + see comments EGM

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
1	4 oz. Glass - PCB (soil)
1	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)
1	Monzie

Remarks/Comments: dug by mini excavator onto plastic EGM

ABBREVIATIONS

S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page 3 of 6

Event AOC/CD Residential Sampling
Subevent
Sampler(s) JAT
Date 8/24/05
Begin Time 9115
End Time 1125

Parcel Number/Location 3070 - 510 Lagrande
Check One: ☐ Front Yard ☐ Back Yard ☒ Side/Misc Yard

CoC ID #1	3070 - 36 D	☒S	☐D	☐B	☐MS/MSD
CoC ID #2		☐S	☐D	☐B	☐MS/MSD
CoC ID #3		☐S	☐D	☐B	☐MS/MSD
CoC ID #4		☐S	☐D	☐B	☐MS/MSD
CoC ID #5		☐S	☐D	☐B	☐MS/MSD
CoC ID #6		☐S	☐D	☐B	☐MS/MSD

Min Depth (in.) 24
Max Depth (in.) 36

Composite ☒
Grab ☐

Sample Composite Includes Soil From Sample Locations (indicated on the locator form): 16-20

Sample Locations Measured By: ☐ Tape (See locator form) ☒ GPS

Coordinates/Measurements: ☐ See attached sheet

Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): black sand some silt

Check if applicable:
☒ Fill ☐ Native ☐ Other
☐ Pot'l Foundry Mat'l Describe
☒ Debris Found Describe rubber, metal, some plastic
☐ Odor Describe
Picture F/N

Sampling Method/Material Stainless steel auger, bowl and spoon * see Comments ECN

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
1	4 oz. Glass - PCB (soil)
1	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)
1	Menzie

Remarks/Comments: dug by mini excavator onto plastic ECN

ABBREVIATIONS

S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page 4 of 16

Event AOC/CD Residential Sampling
Subevent
Sampler(s) KEB

Date 8/24/06
Begin Time 1116
End Time 1125

Parcel Number/Location 3070 - 510 Lagrande
Check One: ☐ Front Yard ☐ Back Yard ☒ Side/Misc Yard

CoC ID #1	3070 - 48D	☒S	☐D	☐B	☐MS/MSD
CoC ID #2		☐S	☐D	☐B	☐MS/MSD
CoC ID #3		☐S	☐D	☐B	☐MS/MSD
CoC ID #4		☐S	☐D	☐B	☐MS/MSD
CoC ID #5		☐S	☐D	☐B	☐MS/MSD
CoC ID #6		☐S	☐D	☐B	☐MS/MSD

Min Depth (in.) 36
Max Depth (in.) 48

Composite ☒
Grab ☐

Sample Composite Includes Soil From Sample Locations (indicated on the locator form): 16-20

Sample Locations Measured By: ☐ Tape (See locator form) ☒ GPS
Coordinates/Measurements: ☐ See attached sheet

Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): black sand some silt

Check if applicable:
☒ Fill ☐ Native ☐ Other
☐ Pot'l Foundry Mat'l Describe
☒ Debris Found Describe rubber, metal plastic Picture F/N
☐ Odor Describe

Sampling Method/Material Stainless steel auger, bowl and spoon * see Comments SGL

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
1	4 oz. Glass - PCB (soil)
1	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)
1	Menzie

Remarks/Comments: See previous

ABBREVIATIONS

S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page 5 of 6

Event AOC/CD Residential Sampling
Subevent
Sampler(s) JAT

Date 8/24/05
Begin Time 1245
End Time 1252

Parcel Number/Location 3070 - 510 Lagrande
Check One: ☐ Front Yard ☐ Back Yard ☑ Side/Misc Yard

CoC ID #1	3070 - 36E	☑S	☐D	☐B	☐MS/MSD
CoC ID #2		☐S	☐D	☐B	☐MS/MSD
CoC ID #3		☐S	☐D	☐B	☐MS/MSD
CoC ID #4		☐S	☐D	☐B	☐MS/MSD
CoC ID #5		☐S	☐D	☐B	☐MS/MSD
CoC ID #6		☐S	☐D	☐B	☐MS/MSD

Min Depth (in.) 24
Max Depth (in.) 36

Composite ☑
Grab ☐

Sample Composite Includes Soil From Sample Locations (indicated on the locator form): 21-25

Sample Locations Measured By: ☐ Tape (See locator form) ☑ GPS

Coordinates/Measurements: ☐ See attached sheet

Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): dark brown silty Sand;

Check if applicable: ☑ Fill ☐ Native ☐ Other
☐ Pot'l Foundry Mat'l Describe Picture F/N
☑ Debris Found Describe wood, metal, rubber, plastic
☐ Odor Describe

Sampling Method/Material Stainless steel auger, bowl and spoon + See Comments EGN

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
1	4 oz. Glass - PCB (soil)
	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)
1	Menzie

Remarks/Comments: See previous EGN

ABBREVIATIONS

S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page 6 of 6

Event AOC/CD Residential Sampling
Subevent
Sampler(s) KEB

Date 8/24/05
Begin Time 1446
End Time 1452

Parcel Number/Location 3070 - 510 Lagrande
Check One: ☐ Front Yard ☐ Back Yard ☒ Side/Misc Yard

CoC ID #1	3070 - 48E	☒S	☐D	☐B	☐MS/MSD
CoC ID #2		☐S	☐D	☐B	☐MS/MSD
CoC ID #3		☐S	☐D	☐B	☐MS/MSD
CoC ID #4		☐S	☐D	☐B	☐MS/MSD
CoC ID #5		☐S	☐D	☐B	☐MS/MSD
CoC ID #6		☐S	☐D	☐B	☐MS/MSD

Min Depth (in.) 36
Max Depth (in.) 48

Composite ☒
Grab ☐

Sample Composite Includes Soil From Sample Locations (indicated on the locator form): 21-25

Sample Locations Measured By: ☐ Tape (See locator form) ☒ GPS
Coordinates/Measurements: ☐ See attached sheet

Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): dark brown silty sand, white coloration on some areas

Check if applicable: ☒ Fill ☐ Native ☐ Other
☐ Pot'l Foundry Mat'l Describe
☒ Debris Found Describe rubber, metal, plastic
☐ Odor Describe
Picture F/N

Sampling Method/Material Stainless steel auger, bowl and spoon

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
1	4 oz. Glass - PCB (soil)
	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)
1	Menzie

Remarks/Comments:

ABBREVIATIONS

S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page 1 of 2

Event CD Residential Sampling Parcel Number/Location 510 Lagrande 3070

Subevent Yard: ☐ All ☐ Front ☐ Back ☑ Side/Misc ☐ CS

Sampler(s) JHT CoC ID #1 3070-3C ☑S ☐D ☐B ☐MS/MSD

CoC ID #2 ☑S ☐D ☐B ☐MS/MSD

Date 4/5/08 CoC ID #3 ☑S ☐D ☐B ☐MS/MSD

Begin Time 1350 CoC ID #4 ☑S ☐D ☐B ☐MS/MSD

End Time 1355 CoC ID #5 ☑S ☐D ☐B ☐MS/MSD

Min Depth (in.) 0 Composite ☑

Max Depth (in.) 3 Grab ☐

Sample Composite Includes Soil From Sample Locations (indicated on the locator form): 11-15

Sample Locations Measured By: ☐ Tape (See locator form) ☐ GPS

Coordinates/Measurements: ☐ See attached sheet

Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): black & reddish brown silty sand

Check if applicable: ☑ Fill ☐ Native ☐ Other

☐ Pot'l Foundry Mat'l Describe Picture F/N

☑ Debris Found Describe plastic, rubber

☐ Odor Describe

Sampling Method/Material Stainless steel auger, bowl and spoon

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
	4 oz. Glass - PCB (soil)
1	4 oz. Glass - Lead (soil) TCLP
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)

FIELD SCREENING RESULTS

	Orig. Sample	Duplicate	Blank	Standard
Lower Bound (ppm)				
Upper Bound (ppm)				

Date:

Analyst's Initials

Analyst's Company

ABBREVIATIONS

S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page 2 of 2

Event CD Residential Sampling Parcel Number/Location 3070-510 Lagrande

Subevent Yard: ☐ All ☐ Front ☐ Back ☒ Side/Misc ☐ CS

Sampler(s) JAT CoC ID #1 3070-3D ☒S ☐D ☐B ☐MS/MSD

CoC ID #2 ☐S ☐D ☐B ☐MS/MSD

Date 4/15/08 CoC ID #3 ☐S ☐D ☐B ☐MS/MSD

Begin Time 1325 CoC ID #4 ☐S ☐D ☐B ☐MS/MSD

End Time 1330 CoC ID #5 ☐S ☐D ☐B ☐MS/MSD

Min Depth (in.) 0 Composite ☒

Max Depth (in.) 3 Grab ☐

Sample Composite Includes Soil From Sample Locations (indicated on the locator form): 16-20

Sample Locations Measured By: ☐ Tape (See locator form) ☐ GPS

Coordinates/Measurements: ☐ See attached sheet

Point # ____ N ____ E ____

Point # ____ N ____ E ____

Point # ____ N ____ E ____

Point # ____ N ____ E ____

Point # ____ N ____ E ____

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): red brown & black silty sand trace gravel

Check if applicable: ☒ Fill ☐ Native ☐ Other ____

☐ Pot'l Foundry Mat'l Describe ____ Picture F/N ____

☒ Debris Found Describe plastic metal rubber

☐ Odor Describe ____

Sampling Method/Material Stainless steel auger, bowl and spoon

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
	4 oz. Glass - PCB (soil)
1	4 oz. Glass - Lead (soil) TCLP
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)

FIELD SCREENING RESULTS

	Orig. Sample	Duplicate	Blank	Standard
Lower Bound (ppm)				
Upper Bound (ppm)				

Date: ____

Analyst's Initials ____

Analyst's Company ____

ABBREVIATIONS

S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page 1 of 11

Event CD Residential Sampling
Subevent
Sampler(s) JAT
Date 4/15/08
Begin Time 1235
End Time 1238

Parcel Number/Location 510 Lagrande 3070
Yard: ☐ All ☐ Front ☐ Back ☒ Side/Misc ☐ CS

CoC ID #1	3070 - 60E	☒S	☐D	☐B	☐MS/MSD
CoC ID #2	3070 - 60E - X	☐S	☒D	☐B	☐MS/MSD
CoC ID #3		☐S	☐D	☐B	☐MS/MSD
CoC ID #4		☐S	☐D	☐B	☐MS/MSD
CoC ID #5		☐S	☐D	☐B	☐MS/MSD

Min Depth (in.) 48
Max Depth (in.) 60

Composite ☒
Grab ☐

Sample Composite Includes Soil From Sample Locations (indicated on the locator form): 21-25

Sample Locations Measured By: ☐ Tape (See locator form) ☐ GPS

Coordinates/Measurements: ☐ See attached sheet

Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): black silty sand trace gravel & gray silty clay damp.

Check if applicable: ☒ Fill ☐ Native ☐ Other
☐ Pot'l Foundry Mat'l Describe Picture F/N
☒ Debris Found Describe plastic metal pieces, wood frags
☐ Odor Describe

Sampling Method/Material Stainless steel auger, bowl and spoon

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
2	4 oz. Glass - PCB (soil)
2	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)

FIELD SCREENING RESULTS

	Orig. Sample	Duplicate	Blank	Standard
Lower Bound (ppm)	>10			
Upper Bound (ppm)	>50			

Date: 4/15/08
Analyst's Initials JAT
Analyst's Company Gen Project

ABBREVIATIONS

S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

5

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page 2 of 11

Event CD Residential Sampling Parcel Number/Location 510 Lagrande 3070

Subevent Yard: ☐ All ☐ Front ☐ Back ☑ Side/Misc ☐ CS

Sampler(s) JAT CoC ID #1 3070-72E ☑S ☐D ☐B ☑MS/MSD

CoC ID #2 ☐S ☐D ☐B ☐MS/MSD

Date CoC ID #3 ☐S ☐D ☐B ☐MS/MSD

Begin Time 1240 CoC ID #4 ☐S ☐D ☐B ☐MS/MSD

End Time 1242 CoC ID #5 ☐S ☐D ☐B ☐MS/MSD

Min Depth (in.) 60 Composite ☑

Max Depth (in.) 72 Grab ☐

Sample Composite Includes Soil From Sample Locations (indicated on the locator form): 21-25

Sample Locations Measured By: ☐ Tape (See locator form) ☐ GPS

Coordinates/Measurements: ☐ See attached sheet

Point # ____ N ____ E ____

Point # ____ N ____ E ____

Point # ____ N ____ E ____

Point # ____ N ____ E ____

Point # ____ N ____ E ____

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): black to gray silty clay and orange brown silty clay trace pebbles

Check if applicable: ☑ Fill ☑ Native ☐ Other ____

☐ Pot'l Foundry Mat'l Describe ____ Picture F/N ____

☐ Debris Found Describe ____

☐ Odor Describe ____

Sampling Method/Material Stainless steel auger, bowl and spoon

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
2	4 oz. Glass - PCB (soil)
1	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)

FIELD SCREENING RESULTS

	Orig. Sample	Duplicate	Blank	Standard
Lower Bound (ppm)	<10			
Upper Bound (ppm)	<50			

Date: 4/15/08

Analyst's Initials JAT

Analyst's Company Gen Project

ABBREVIATIONS

S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

6

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page 3 of 11

Event CD Residential Sampling
Subevent
Sampler(s) KAB
Date 4/17/08
Begin Time 1242
End Time 1244

Parcel Number/Location 510 Lagrande 3070
Yard: ☐ All ☐ Front ☐ Back ☒ Side/Misc ☐ CS

CoC ID #1	3070 - 84E	☒S	☐D	☐B	☐MS/MSD
CoC ID #2		☐S	☐D	☐B	☐MS/MSD
CoC ID #3		☐S	☐D	☐B	☐MS/MSD
CoC ID #4		☐S	☐D	☐B	☐MS/MSD
CoC ID #5		☐S	☐D	☐B	☐MS/MSD

Min Depth (in.) 72
Max Depth (in.) 84

Composite ☒
Grab ☐

Sample Composite Includes Soil From Sample Locations (indicated on the locator form): 21-25

Sample Locations Measured By: ☐ Tape (See locator form) ☐ GPS

Coordinates/Measurements: ☐ See attached sheet

Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): gray to orange brown silty clay, clump ; orange brown silty clay trace pebbles

Check if applicable: ☒ Fill ☒ Native ☐ Other
☐ Pot'l Foundry Mat'l Describe Picture F/N
☐ Debris Found Describe
☐ Odor Describe

Sampling Method/Material Stainless steel auger, bowl and spoon

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
1	4 oz. Glass - PCB (soil)
1	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)

FIELD SCREENING RESULTS

	Orig. Sample	Duplicate	Blank	Standard
Lower Bound (ppm)	<10			
Upper Bound (ppm)	<50			

Date: 4/15/08
Analyst's Initials JAT
Analyst's Company Gen Project

ABBREVIATIONS

S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page 6 of 11

Event CD Residential Sampling
Subevent
Sampler(s) JAT
Date 4/15/08
Begin Time 1545
End Time 1547

Parcel Number/Location 510 Lagrande 3070
Yard: ☐ All ☐ Front ☐ Back ☑ Side/Misc ☐ CS

CoC ID #1	3070-60D	☑S	☐D	☐B	☐MS/MSD
CoC ID #2		☐S	☐D	☐B	☐MS/MSD
CoC ID #3		☐S	☐D	☐B	☐MS/MSD
CoC ID #4		☐S	☐D	☐B	☐MS/MSD
CoC ID #5		☐S	☐D	☐B	☐MS/MSD

Min Depth (in.) 48
Max Depth (in.) 60

Composite ☑
Grab ☐

Sample Composite Includes Soil From Sample Locations (indicated on the locator form): 16-20

Sample Locations Measured By: ☐ Tape (See locator form) ☐ GPS

Coordinates/Measurements: ☐ See attached sheet

Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): black silty sand trace gravel

Check if applicable:
☑ Fill ☐ Native ☐ Other
☐ Pot'l Foundry Mat'l Describe Picture F/N
☑ Debris Found Describe plastic & metal pieces, redbrick, rubber, green & clear glass, fabric materials (thread)
☐ Odor Describe

Sampling Method/Material Stainless steel auger, bowl and spoon

CONTAINER AND ANALYSES DESCRIPTION

* owner said textile plant dumped stuff there for awhile

Quantity	Container and Analysis
1	4 oz. Glass - PCB (soil)
1	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)

FIELD SCREENING RESULTS

	Orig. Sample	Duplicate	Blank	Standard
Lower Bound (ppm)	>10			
Upper Bound (ppm)	<50			

Date: 4/15/08
Analyst's Initials JAT
Analyst's Company GenProject

5

ABBREVIATIONS

S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page ~~7~~ of 11

Event CD Residential Sampling Parcel Number/Location 510 Lagrande 3070

Subevent Yard: ☐ All ☐ Front ☐ Back ☒ Side/Misc ☐ CS

Sampler(s) ~~JAT~~ KSB CoC ID #1 3070 - 72D ☒S ☐D ☐B ☐MS/MSD

CoC ID #2 ☐S ☐D ☐B ☐MS/MSD

Date 4/15/08 CoC ID #3 ☐S ☐D ☐B ☐MS/MSD

Begin Time 1547 CoC ID #4 ☐S ☐D ☐B ☐MS/MSD

End Time 1549 CoC ID #5 ☐S ☐D ☐B ☐MS/MSD

Min Depth (in.) 60 Composite ☒

Max Depth (in.) 72 Grab ☐

Sample Composite Includes Soil From Sample Locations (indicated on the locator form): 16-20

Sample Locations Measured By: ☐ Tape (See locator form) ☐ GPS

Coordinates/Measurements: ☐ See attached sheet

Point # ____ N ____ E ____

Point # ____ N ____ E ____

Point # ____ N ____ E ____

Point # ____ N ____ E ____

Point # ____ N ____ E ____

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): black silty sand to gray silty clay damp

Check if applicable: ☒ Fill ☐ Native ☐ Other ____

☐ Pot'l Foundry Mat'l Describe ____ Picture F/N ____

☐ Debris Found Describe ____

☐ Odor Describe ____

Sampling Method/Material Stainless steel auger, bowl and spoon

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
1	4 oz. Glass - PCB (soil)
1	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)

FIELD SCREENING RESULTS

	Orig. Sample	Duplicate	Blank	Standard
Lower Bound (ppm)	<10			
Upper Bound (ppm)	<50			

Date: 4/15/08

Analyst's Initials JAT

Analyst's Company Gen Project

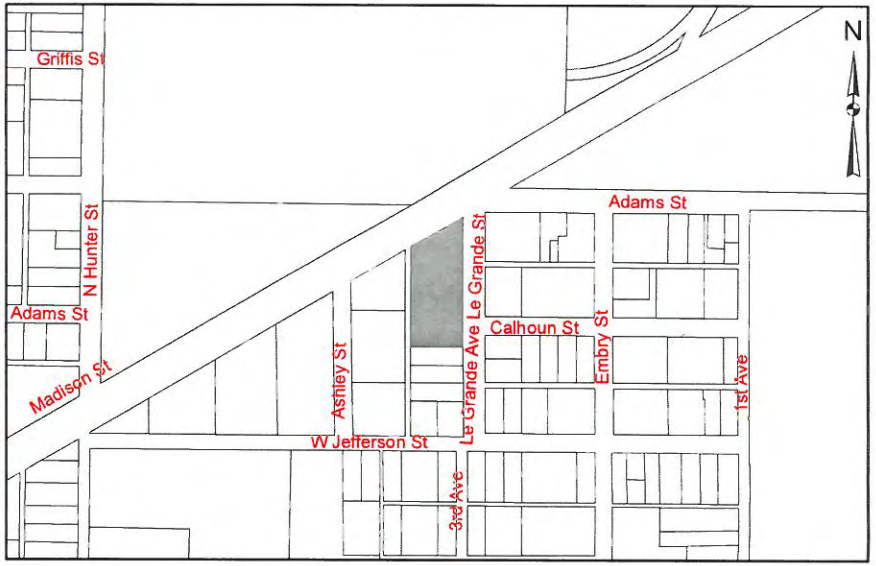
ABBREVIATIONS

S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

PARCEL ID: 3070 **AREA: 1.05 acre**

LOCATION: 510 LEGRANDE ST



Date Sampled: 4/28/10

Type: X Surface ____Depth ____Dust _____Confirmatory

Crawlspace? ___ Yes ___No If yes, accessible? ___Yes ___ No

EPA Oversight Initials _____

% Improved Area _____

Is this a Special Use Property? _____ Yes _____ No

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page ____ of ____

Event CD Residential Sampling
Subevent
Sampler(s) JAT KAR
Date 4/28/10
Begin Time 09:05
End Time 09:10

Parcel Number/Location 3070 - 510 LeGrande

Yard: ☐ All ☐ Front ☐ Back ☐ Side/Misc ☒ Demo ☐ par. Unsuit ☐ CS

CoC ID #1	3070-3F	☒S	☐D	☐B	☐MS/MSD
CoC ID #2		☐S	☐D	☐B	☐MS/MSD
CoC ID #3		☐S	☐D	☐B	☐MS/MSD
CoC ID #4		☐S	☐D	☐B	☐MS/MSD
CoC ID #5		☐S	☐D	☐B	☐MS/MSD

Min Depth (in.) 0
Max Depth (in.) 34

Composite ☒
Grab ☐

Sample Composite Includes Soil From Sample Locations (indicated on the locator form): 26-30

Sample Locations Measured By: ☐ Tape (See locator form) ☒ GPS

Coordinates/Measurements: ☐ See attached sheet

Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): bladish, brown silty, sand clay tr. organics

Check if applicable: ☒ Fill ☐ Native ☐ Other
☐ Pot'l Foundry Mat'l Describe Picture F/N
☐ Debris Found Describe
☐ Odor Describe

Sampling Method/Material Stainless steel auger, bowl and spoon

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
1	4 oz. Glass - PCB (soil)
1	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)

FIELD SCREENING RESULTS

	Orig. Sample	Duplicate	Blank	Standard
Lower Bound (ppm)				
Upper Bound (ppm)				

Date:
Analyst's Initials
Analyst's Company

ABBREVIATIONS

S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page ____ of ____

Event CD Residential Sampling
Subevent
Sampler(s) TLM JAT
Date 4/29/10
Begin Time 09:16
End Time 09:15

Parcel Number/Location 3070-510 LeGrande
Yard: ☐ All ☐ Fron ☐ Back ☐ Side/Misc ☒ Demo ☐ par. Unsuit ☐ CS

CoC ID #1	3070-36	☒S	☐D	☐B	☐MS/MSD
CoC ID #2		☐S	☐D	☐B	☐MS/MSD
CoC ID #3		☐S	☐D	☐B	☐MS/MSD
CoC ID #4		☐S	☐D	☐B	☐MS/MSD
CoC ID #5		☐S	☐D	☐B	☐MS/MSD

Min Depth (in.) 0
Max Depth (in.) 3"

Composite ☒
Grab ☐

Sample Composite Includes Soil From Sample Locations (indicated on the locator form): 31-35

Sample Locations Measured By: ☐ Tape (See locator form) ☒ GPS

Coordinates/Measurements: ☐ See attached sheet

Point #	____	N		E	
Point #	____	N		E	
Point #	____	N		E	
Point #	____	N		E	
Point #	____	N		E	

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): orange, brownish, silty, sand clay some organics

Check if applicable: ☐ Fill ☒ Native ☐ Other
☐ Pot'l Foundry Mat'l Describe
☒ Debris Found Describe RUBBER Picture F/N
☐ Odor Describe

Sampling Method/Material Stainless steel auger, bowl and spoon

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
1	4 oz. Glass - PCB (soil)
1	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)

FIELD SCREENING RESULTS

	Orig. Sample	Duplicate	Blank	Standard
Lower Bound (ppm)				
Upper Bound (ppm)				

Date: ____
Analyst's Initials ____
Analyst's Company ____

ABBREVIATIONS

S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

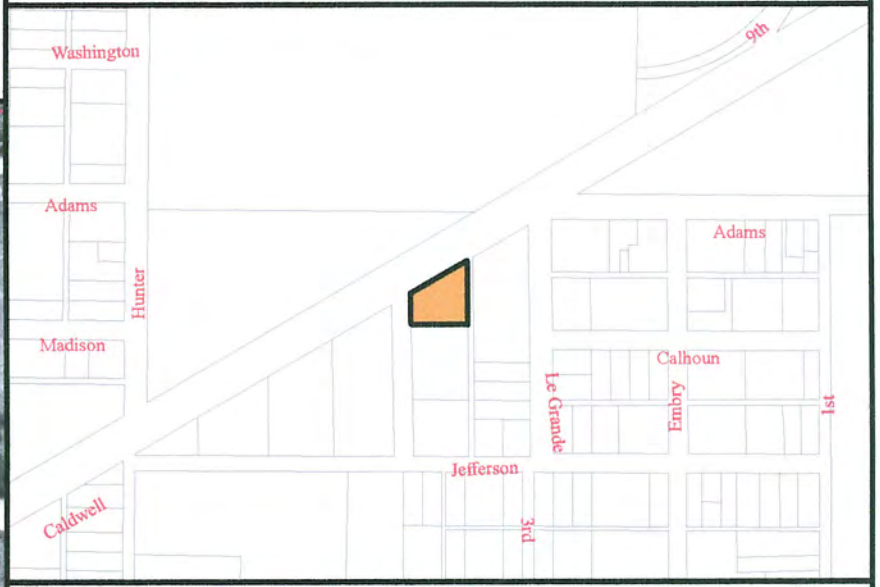
APPENDIX C-2

0 ASHLEY STREET PROPERTY

(TAX ID 11-22-01-12-03-1-36)

Parcel ID: 3109 ZONE C

Location: ASHLEY ST Area: 0.42 acre



Date Sampled: 5/17/07

Type: X Surface ___Depth ___Dust ___Confirmatory

Crawlspace? ___Yes ___No If yes, accessible? ___Yes ___No

EPA Oversight Initials _____

% Improved Area _____

Is this a Special Use Property ___Yes ___No

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page 1 of 3

Event CD Residential Sampling Parcel Number/Location 3109 - Ashley St

Subevent Yard: ☐ All ☐ Front ☐ Back ☑ Side/Misc ☐ CS

Sampler(s) KAR CoC ID #1 3109-3A ☑S ☐D ☐B ☐MS/MSD

CoC ID #2 ☐S ☐D ☐B ☐MS/MSD

Date 5/17/07 CoC ID #3 ☐S ☐D ☐B ☐MS/MSD

Begin Time ~~0955~~ 1000 CoC ID #4 ☐S ☐D ☐B ☐MS/MSD

End Time ~~1000~~ 1005 CoC ID #5 ☐S ☐D ☐B ☐MS/MSD

Min Depth (in.) 0 Composite ☑

Max Depth (in.) 3 Grab ☐

Sample Composite Includes Soil From Sample Locations (Indicated on the locator form): 1-5

Sample Locations Measured By: ☐ Tape (See locator form) ☑ GPS

Coordinates/Measurements: ☐ See attached sheet

Point # ____ N ____ E ____

Point # ____ N ____ E ____

Point # ____ N ____ E ____

Point # ____ N ____ E ____

Point # ____ N ____ E ____

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): reddish brown silty sand trace gravel

Check if applicable: ☑ Fill ☐ Native ☐ Other ____

☐ Pot'l Foundry Mat'l Describe ____ Picture F/N ____

☐ Debris Found Describe ____

☐ Odor Describe ____

Sampling Method/Material Stainless steel auger, bowl and spoon

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
1	4 oz. Glass - PCB (soil)
1	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)

FIELD SCREENING RESULTS

	Orig. Sample	Duplicate	Blank	Standard
Lower Bound (ppm)				
Upper Bound (ppm)				

Date: ____

Analyst's Initials ____

Analyst's Company ____

ABBREVIATIONS

S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page 2 of 3

Event CD Residential Sampling
Subevent
Sampler(s) JAT
Date 5/17/07
Begin Time 1001
End Time 1006

Parcel Number/Location 3109 Ashley St.
Yard: ☐ All ☐ Front ☐ Back ☒ Side/Misc ☐ CS

CoC ID #1	3109-3B	☒S	☐D	☐B	☐MS/MSD
CoC ID #2		☐S	☐D	☐B	☐MS/MSD
CoC ID #3		☐S	☐D	☐B	☐MS/MSD
CoC ID #4		☐S	☐D	☐B	☐MS/MSD
CoC ID #5		☐S	☐D	☐B	☐MS/MSD

Min Depth (in.) 0
Max Depth (in.) 3
Composite ☒
Grab ☐

Sample Composite Includes Soil From Sample Locations (indicated on the locator form): 6-10

Sample Locations Measured By: ☐ Tape (See locator form) ☒ GPS
Coordinates/Measurements: ☐ See attached sheet

Point #		N		E
Point #		N		E
Point #		N		E
Point #		N		E
Point #		N		E

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): reddish brown / brown silty Sand trace gravel

Check if applicable: ☒ Fill ☒ Native ☐ Other
☐ Pot'l Foundry Mat'l Describe Picture F/N
☒ Debris Found Describe metal piece, wood piece
☐ Odor Describe

Sampling Method/Material Stainless steel auger, bowl and spoon

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
1	4 oz. Glass - PCB (soil)
1	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)

FIELD SCREENING RESULTS

	Orig. Sample	Duplicate	Blank	Standard
Lower Bound (ppm)				
Upper Bound (ppm)				

Date:
Analyst's Initials
Analyst's Company

ABBREVIATIONS

S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page 3 of 3

Event CD Residential Sampling
Subevent
Sampler(s) ICAR
Date 5/17/07
Begin Time 1015
End Time 1020

Parcel Number/Location 3109 - Ashley St
Yard: ☐ All ☐ Front ☐ Back ☑ Side/Misc ☐ CS

CoC ID #1	3109-3C	☑S	☐D	☐B	☐MS/MSD
CoC ID #2		☐S	☐D	☐B	☐MS/MSD
CoC ID #3		☐S	☐D	☐B	☐MS/MSD
CoC ID #4		☐S	☐D	☐B	☐MS/MSD
CoC ID #5		☐S	☐D	☐B	☐MS/MSD

Min Depth (in.) 0
Max Depth (in.) 3
Composite ☑
Grab ☐

Sample Composite Includes Soil From Sample Locations (Indicated on the locator form): 11-15

Sample Locations Measured By: ☐ Tape (See locator form) ☑ GPS

Coordinates/Measurements: ☐ See attached sheet

Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): dark reddish brown silty sand trace pebbles

Check if applicable: ☑ Fill ☐ Native ☐ Other
☐ Pot'l Foundry Mat'l Describe Picture F/N
☑ Debris Found Describe rubber
☐ Odor Describe

Sampling Method/Material Stainless steel auger, bowl and spoon

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
1	4 oz. Glass - PCB (soil)
1	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)

FIELD SCREENING RESULTS

	Orig. Sample	Duplicate	Blank	Standard
Lower Bound (ppm)				
Upper Bound (ppm)				

Date:
Analyst's Initials
Analyst's Company

ABBREVIATIONS

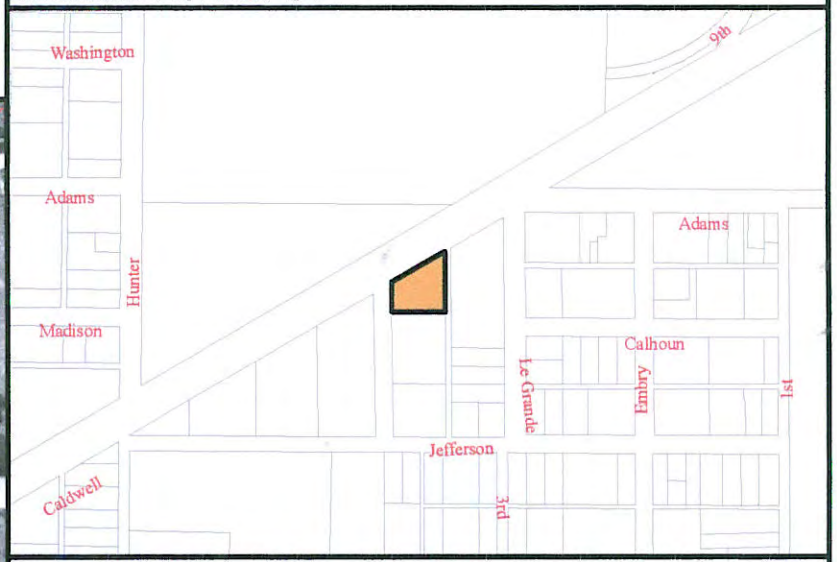
S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

Parcel ID: 3109

Location: ASHLEY ST

Area: 0.42 acre



See attached

Date Sampled: 8/2/07

Type: _____ Surface ___X___ Depth _____ Dust _____ Confirmatory

Crawlspace? ____Yes ___X___No If yes, accessible?_____ Yes ____No

EPA Oversight Initials _____

% Improved Area _____

Special Use Property _____ Yes _____ No

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page 1 of 2

Event CD Residential Sampling
Subevent
Sampler(s) KAR
Date 8/2/07
Begin Time 0840
End Time 0900

Parcel Number/Location 3109 - Ashley St
Yard: ☐ All ☐ Front ☐ Back ☒ Side/Misc ☐ CS

CoC ID #1	3109 - 24B	☒S	☐D	☐B ☐MS/MSD
CoC ID #2	3109 - 24B - X	☒S	☒D	☐B ☐MS/MSD
CoC ID #3		☐S	☐D	☐B ☐MS/MSD
CoC ID #4		☐S	☐D	☐B ☐MS/MSD
CoC ID #5		☐S	☐D	☐B ☐MS/MSD

Min Depth (in.) 12
Max Depth (in.) 24
Composite ☒
Grab ☐

Sample Composite Includes Soil From Sample Locations (Indicated on the locator form): 6-10

Sample Locations Measured By: ☐ Tape (See locator form) ☒ GPS

Coordinates/Measurements: ☐ See attached sheet

Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): black silty sand, trace gravel

Check if applicable: ☒ Fill ☐ Native ☐ Other
☐ Pot'l Foundry Mat'l Describe Picture F/N
☒ Debris Found Describe rubber carparts, wire, Nails
☐ Odor Describe

Sampling Method/Material Stainless steel auger, bowl and spoon

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
2	4 oz. Glass - PCB (soil)
2	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)

FIELD SCREENING RESULTS

	Orig. Sample	Duplicate	Blank	Standard
Lower Bound (ppm)				
Upper Bound (ppm)				

Date:
Analyst's Initials
Analyst's Company

ABBREVIATIONS

S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page 2 of 2

Event CD Residential Sampling
Subevent
Sampler(s) JAT
Date 8/2/07
Begin Time 0855
End Time 0910

Parcel Number/Location 3109 - Ashley St
Yard: ☐ All ☐ Front ☐ Back ☑ Side/Misc ☐ CS

CoC ID #1	3109-24C	☑S	☐D	☐B	☑MS/MSD
CoC ID #2		☐S	☐D	☐B	☐MS/MSD
CoC ID #3		☐S	☐D	☐B	☐MS/MSD
CoC ID #4		☐S	☐D	☐B	☐MS/MSD
CoC ID #5		☐S	☐D	☐B	☐MS/MSD

Min Depth (in.) 12
Max Depth (in.) 24

Composite ☑
Grab ☐

Sample Composite Includes Soil From Sample Locations (Indicated on the locator form): 11-15

Sample Locations Measured By: ☐ Tape (See locator form) ☑ GPS

Coordinates/Measurements: ☐ See attached sheet

Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): black silty sand & dark reddish brown sandy silt

Check if applicable: ☑ Fill ☐ Native ☐ Other
☐ Pot'l Foundry Mat'l Describe Picture F/N
☑ Debris Found Describe rubber parts, metal pieces & wire
☐ Odor Describe

Sampling Method/Material Stainless steel auger, bowl and spoon

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
2	4 oz. Glass - PCB (soil)
1	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)

FIELD SCREENING RESULTS

	Orig. Sample	Duplicate	Blank	Standard
Lower Bound (ppm)				
Upper Bound (ppm)				

Date:
Analyst's Initials
Analyst's Company

ABBREVIATIONS

S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page 4 of 4

Event CD Residential Sampling
Subevent
Sampler(s) MCP
Date 8/22/07
Begin Time 1235
End Time 1240

Parcel Number/Location 3109 - Ashley St
Yard: ☐ All ☐ Front ☐ Back ☑ Side/Misc ☐ CS

CoC ID #1	3109-36B	☑S	☐D	☐B	☐MS/MSD
CoC ID #2		☐S	☐D	☐B	☐MS/MSD
CoC ID #3		☐S	☐D	☐B	☐MS/MSD
CoC ID #4		☐S	☐D	☐B	☐MS/MSD
CoC ID #5		☐S	☐D	☐B	☐MS/MSD

Min Depth (in.) 24
Max Depth (in.) 36
Composite ☑
Grab ☐

Sample Composite Includes Soil From Sample Locations (indicated on the locator form): 6-10

Sample Locations Measured By: ☐ Tape (See locator form) ☑ GPS
Coordinates/Measurements: ☐ See attached sheet

Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): black silty sand w/ lots of garbage

Check if applicable:
☑ Fill ☐ Native ☐ Other
☐ Pot'l Foundry Mat'l Describe Picture F/N
☑ Debris Found Describe Strofoam, metal, rubber, plastic
☐ Odor Describe

Sampling Method/Material Stainless steel auger, bowl and spoon

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
	4 oz. Glass - PCB (soil)
1	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)

FIELD SCREENING RESULTS

	Orig. Sample	Duplicate	Blank	Standard
Lower Bound (ppm)				
Upper Bound (ppm)				

Date:
Analyst's Initials
Analyst's Company

ABBREVIATIONS

S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page 1 of 4

Event CD Residential Sampling
Subevent
Sampler(s) KEB
Date 8/22/07
Begin Time 1220
End Time 1225

Parcel Number/Location 3109 - Ashley St
Yard: ☐ All ☐ Front ☐ Back ☑ Side/Misc ☐ CS

CoC ID #1	3109-36C	☐S	☐D	☐B	☐MS/MSD
CoC ID #2		☐S	☐D	☐B	☐MS/MSD
CoC ID #3		☐S	☐D	☐B	☐MS/MSD
CoC ID #4		☐S	☐D	☐B	☐MS/MSD
CoC ID #5		☐S	☐D	☐B	☐MS/MSD

Min Depth (in.) 24
Max Depth (in.) 36
Composite ☑
Grab ☐

Sample Composite Includes Soil From Sample Locations (indicated on the locator form): 11-15

Sample Locations Measured By: ☐ Tape (See locator form) ☑ GPS

Coordinates/Measurements: ☐ See attached sheet

Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): black silty sand w/ lots of garbage

Check if applicable: ☑ Fill ☐ Native ☐ Other
☐ Pot'l Foundry Mat'l Describe Picture F/N
☑ Debris Found Describe metal, wire, rubber, plastic
☐ Odor Describe

Sampling Method/Material Stainless steel auger, bowl and spoon

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
1	4 oz. Glass - PCB (soil)
	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)

* from sidewall of test pits

FIELD SCREENING RESULTS

	Orig. Sample	Duplicate	Blank	Standard
Lower Bound (ppm)				
Upper Bound (ppm)				

Date:
Analyst's Initials
Analyst's Company

ABBREVIATIONS

S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page 2 of 4

Event CD Residential Sampling
Subevent
Sampler(s) KAR
Date 8/22/07
Begin Time 1225
End Time 1230

Parcel Number/Location 3109-Ashley St
Yard: ☐ All ☐ Front ☐ Back ☒ Side/Misc ☐ CS

CoC ID #1	3109-48C	☒S	☐D	☐B	☐MS/MSD
CoC ID #2		☐S	☐D	☐B	☐MS/MSD
CoC ID #3		☐S	☐D	☐B	☐MS/MSD
CoC ID #4		☐S	☐D	☐B	☐MS/MSD
CoC ID #5		☐S	☐D	☐B	☐MS/MSD

Min Depth (in.) 36
Max Depth (in.) 48

Composite ☒
Grab ☐

Sample Composite Includes Soil From Sample Locations (indicated on the locator form): 11-15

Sample Locations Measured By: ☐ Tape (See locator form) ☒ GPS

Coordinates/Measurements: ☐ See attached sheet

Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): black silty sand w/ lots of garbage

Check if applicable:
☒ Fill ☐ Native ☐ Other
☐ Pot'l Foundry Mat'l Describe Picture F/N
☒ Debris Found Describe metal, wire, rubber, plastic
☐ Odor Describe

Sampling Method/Material Stainless steel auger, bowl and spoon

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
1	4 oz. Glass - PCB (soil)
	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)

FIELD SCREENING RESULTS

	Orig. Sample	Duplicate	Blank	Standard
Lower Bound (ppm)				
Upper Bound (ppm)				

Date:
Analyst's Initials
Analyst's Company

ABBREVIATIONS

S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page 3 of 4

Event CD Residential Sampling
Subevent
Sampler(s) TJM
Date 8/22/07
Begin Time 1230
End Time 1235

Parcel Number/Location 3109 - Ashley St
Yard: ☐ All ☐ Front ☐ Back ☑ Side/Misc ☐ CS

CoC ID #1	3109 - 60C	☒S ☐D ☐B ☐MS/MSD
CoC ID #2		☐S ☐D ☐B ☐MS/MSD
CoC ID #3		☐S ☐D ☐B ☐MS/MSD
CoC ID #4		☐S ☐D ☐B ☐MS/MSD
CoC ID #5		☐S ☐D ☐B ☐MS/MSD

Min Depth (in.) 48
Max Depth (in.) 60

Composite ☒
Grab ☐

Sample Composite Includes Soil From Sample Locations (indicated on the locator form): 11-15

Sample Locations Measured By: ☐ Tape (See locator form) ☒ GPS

Coordinates/Measurements: ☐ See attached sheet

Point #		N	E
Point #		N	E
Point #		N	E
Point #		N	E
Point #		N	E

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): black silty sand w/ lots of garbage; some orange brown silty sandy clay

Check if applicable: ☒ Fill ☐ Native ☐ Other
☐ Pot'l Foundry Mat'l Describe Picture F/N
☒ Debris Found Describe metal, wire, rubber, plastic
☐ Odor Describe

Sampling Method/Material Stainless steel auger, bowl and spoon

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
1	4 oz. Glass - PCB (soil)
	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)

FIELD SCREENING RESULTS

	Orig. Sample	Duplicate	Blank	Standard
Lower Bound (ppm)				
Upper Bound (ppm)				

Date:
Analyst's Initials
Analyst's Company

ABBREVIATIONS

S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

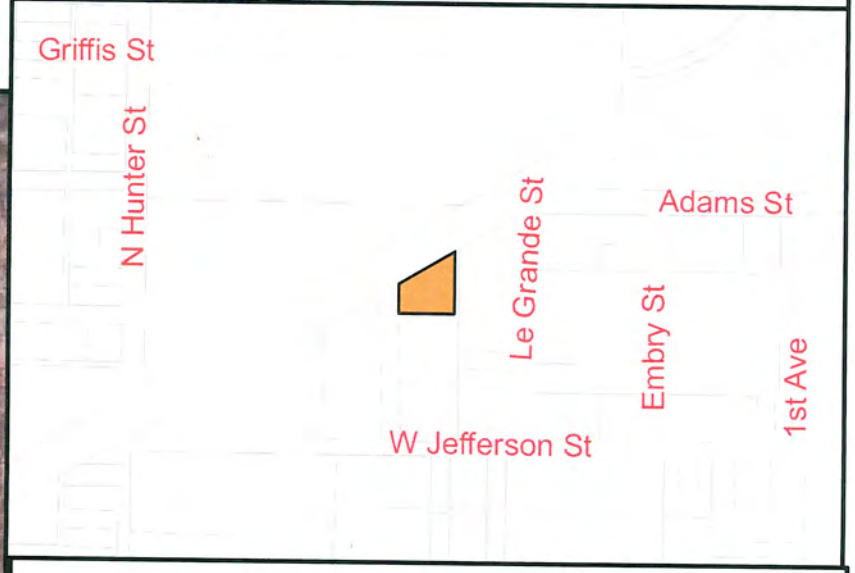
USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

1 inch = 30 feet

Parcel ID: 3109

Location: 0 Ashley St

Area: 0.42 acre



Date Sampled: 4/21/08

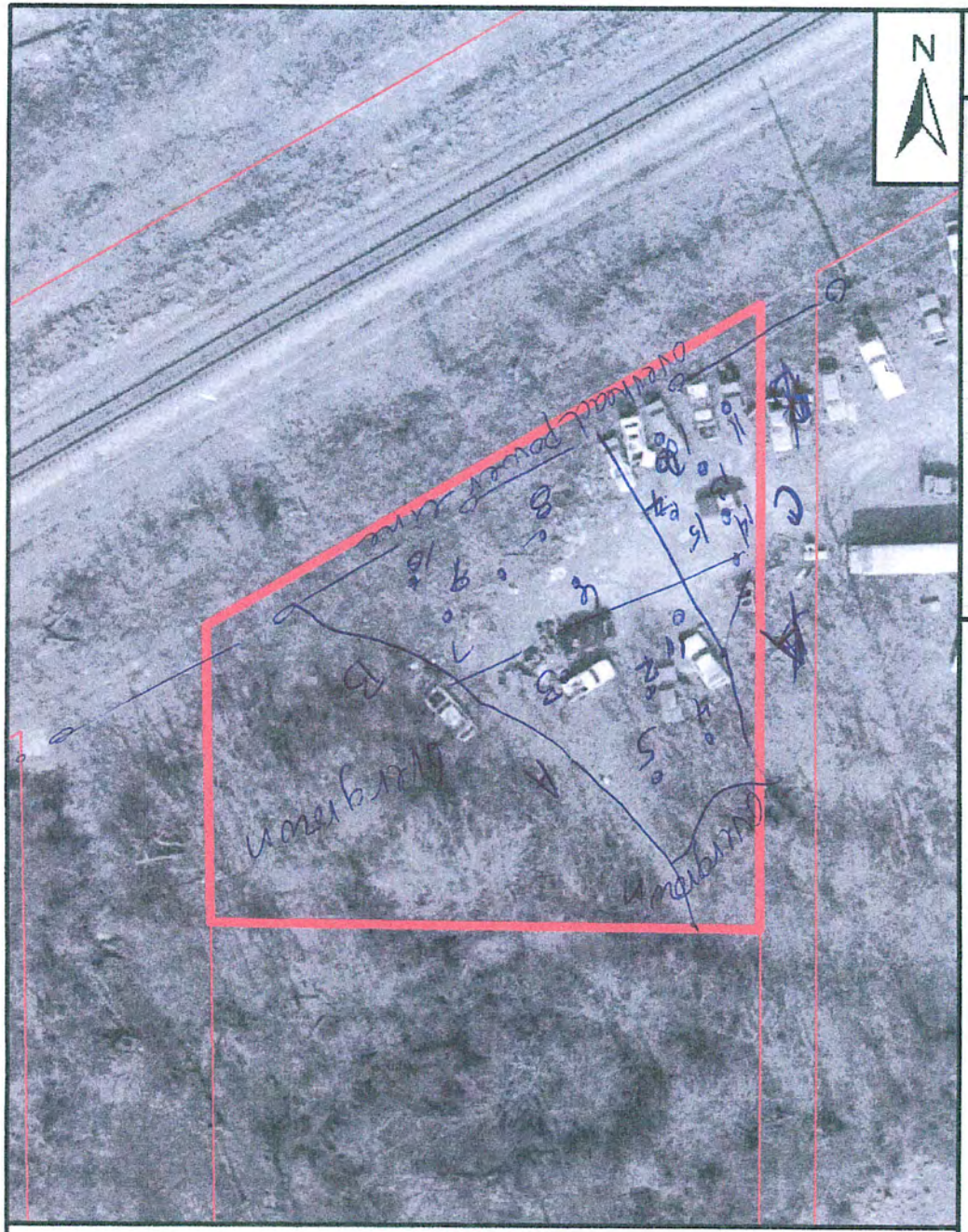
Type: X Surface ____Depth ____Dust _____Confirmatory

Crawlspace? ___ Yes ___No If yes, accessible? ___Yes ___ No

EPA Oversight Initials _____

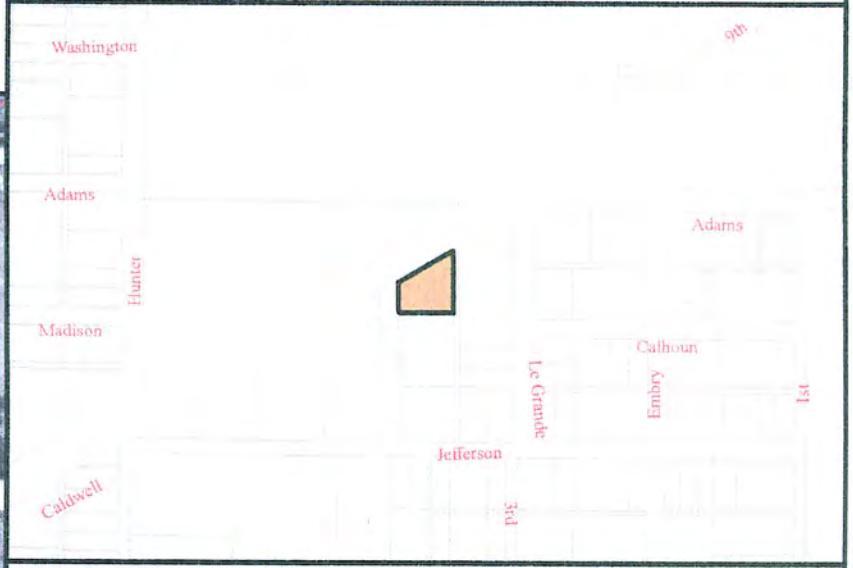
% Improved Area _____

Is this a Special Use Property? _____ Yes _____ No



Parcel ID: 3109 ZONE C

Location: ASHLEY ST Area: 0.42 acre



Date Sampled: 5/17/07

Type: X Surface ___Depth ___Dust ___Confirmatory

Crawlspace? ___Yes ___No If yes, accessible? ___Yes ___No

EPA Oversight Initials _____

% Improved Area _____

Is this a Special Use Property ___Yes ___No

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page 1 of 1

Event AOC/CD Residential Sampling Parcel Number/Location 3109-3D, 0 Ashley St.

Subevent

Sampler(s) JKL

Check One: ☐ Front ☐ Back ☐ Side/Misc ☐ Demo ☑ par. Unsuit

CoC ID #1 3109-3D ☑S ☐D ☐B ☐MS/MSD

CoC ID #2 ☐S ☐D ☐B ☐MS/MSD

CoC ID #3 ☐S ☐D ☐B ☐MS/MSD

Date 4/21/09 CoC ID #4 ☐S ☐D ☐B ☐MS/MSD

Begin Time 1355 CoC ID #5 ☐S ☐D ☐B ☐MS/MSD

End Time 1400 CoC ID #6 ☐S ☐D ☐B ☐MS/MSD

Min Depth (in.) 0 Composite ☑

Max Depth (in.) 3 Grab ☐

Sample Composite Includes Soil From Sample Locations (indicated on the locator form): 16-20

Sample Locations Measured By: ☐ Tape (See locator form) ☑ GPS

Coordinates/Measurements: ☐ See attached sheet

Point # ____ N ____ E ____

Point # ____ N ____ E ____

Point # ____ N ____ E ____

Point # ____ N ____ E ____

Point # ____ N ____ E ____

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): Reddish brown sandy silt

Check if applicable: ☑ Fill ☑ Native ☐ Other

☐ Pot'l Foundry Mat'l Describe Picture F/N

☐ Debris Found Describe

☐ Odor Describe

Sampling Method/Material Stainless steel auger, bowl and spoon

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
1	4 oz. Glass - PCB (soil)
1	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)

Remarks/Comments:

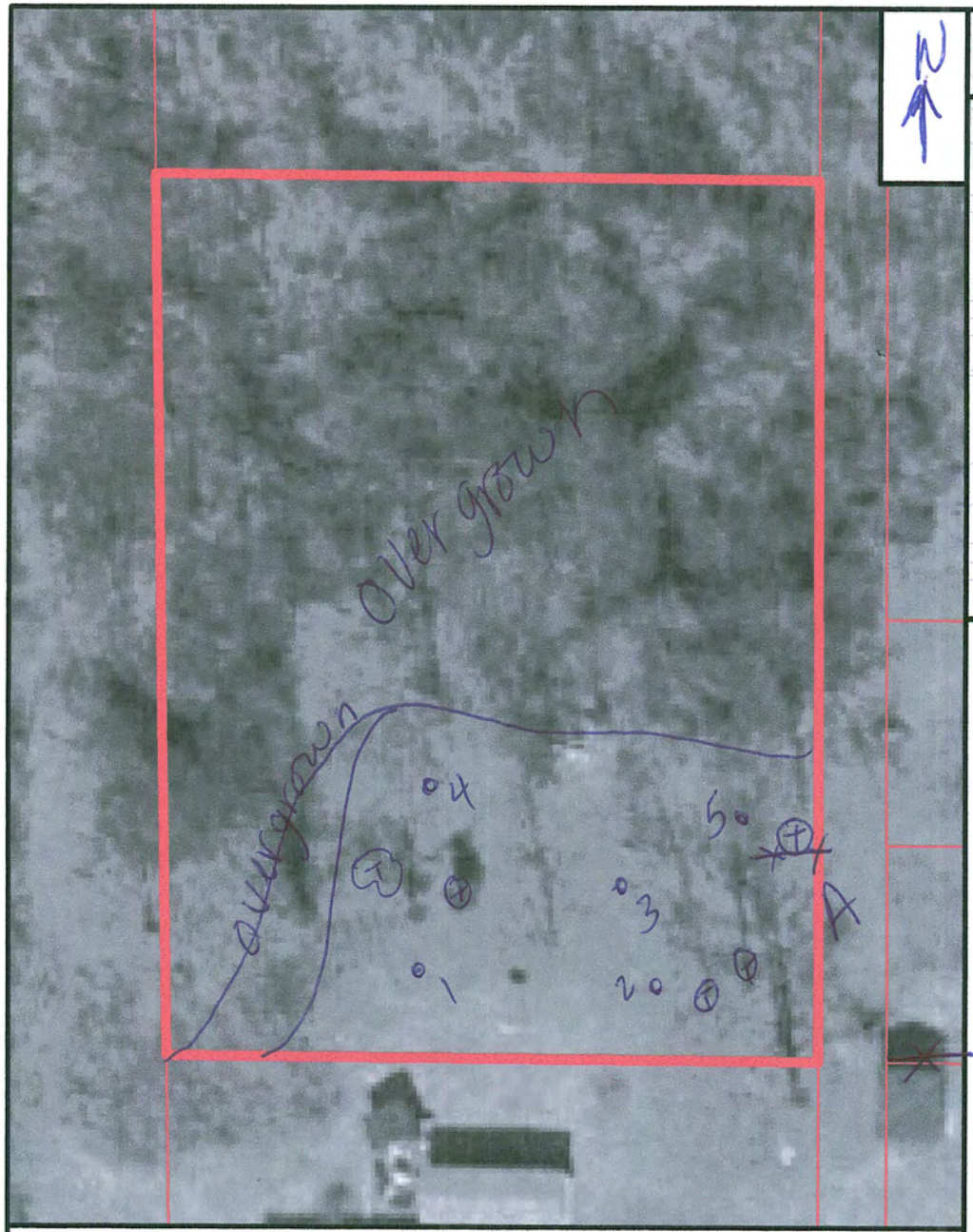
ABBREVIATIONS

S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

APPENDIX C-3

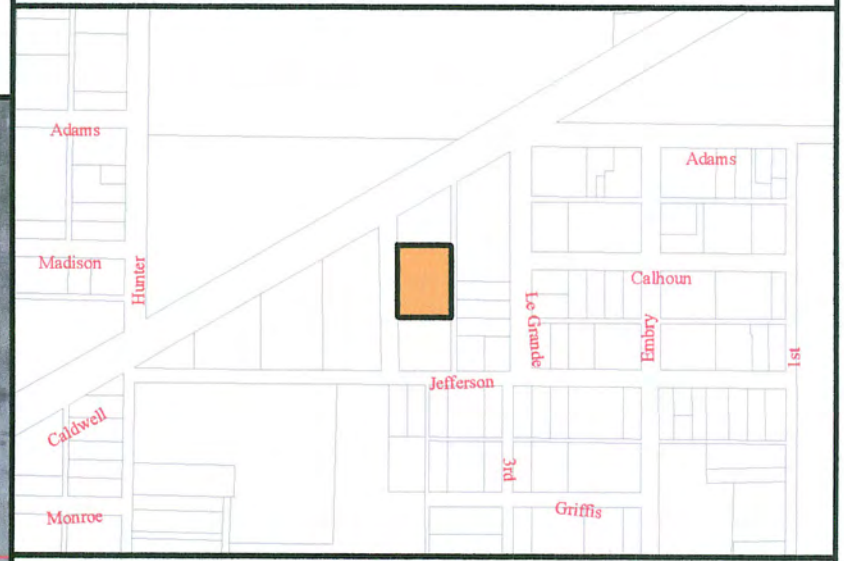
505 ASHLEY STREET PROPERTY



6 3 0 6 12 Feet

Parcel ID: 3194 ZONE C

Location: 505 ASHLEY ST Area: 0.65 acre



Date Sampled: 5/17/07

Type: Y Surface ___Depth ___Dust ___Confirmatory

Crawlspace? ___Yes ___No If yes, accessible? ___Yes ___No

EPA Oversight Initials _____

% Improved Area _____

Is this a Special Use Property ___Yes ___No

Parcel Map Display

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page 1 of 1

Event CD Residential Sampling
Subevent
Sampler(s) JAT
Date 5/17/07
Begin Time 0940
End Time 0945

Parcel Number/Location 3194 - 505 Ashley
Yard: ☒ All ☐ Front ☐ Back ☐ Side/Misc ☐ CS

CoC ID #1	3194-3A	☒S	☐D	☐B ☐MS/MSD
CoC ID #2		☐S	☐D	☐B ☐MS/MSD
CoC ID #3		☐S	☐D	☐B ☐MS/MSD
CoC ID #4		☐S	☐D	☐B ☐MS/MSD
CoC ID #5		☐S	☐D	☐B ☐MS/MSD

Min Depth (in.) 0
Max Depth (in.) 3

Composite ☒
Grab ☐

Sample Composite Includes Soil From Sample Locations (indicated on the locator form): 1-5

Sample Locations Measured By: ☐ Tape (See locator form) ☒ GPS

Coordinates/Measurements: ☐ See attached sheet

Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): dark brown silty Sand

Check if applicable: ☒ Fill ☒ Native ☐ Other
☐ Pot'l Foundry Mat'l Describe Picture F/N
☐ Debris Found Describe
☐ Odor Describe

Sampling Method/Material Stainless steel auger, bowl and spoon

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
1	4 oz. Glass - PCB (soil)
1	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)

FIELD SCREENING RESULTS

	Orig. Sample	Duplicate	Blank	Standard
Lower Bound (ppm)				
Upper Bound (ppm)				

Date:
Analyst's Initials
Analyst's Company

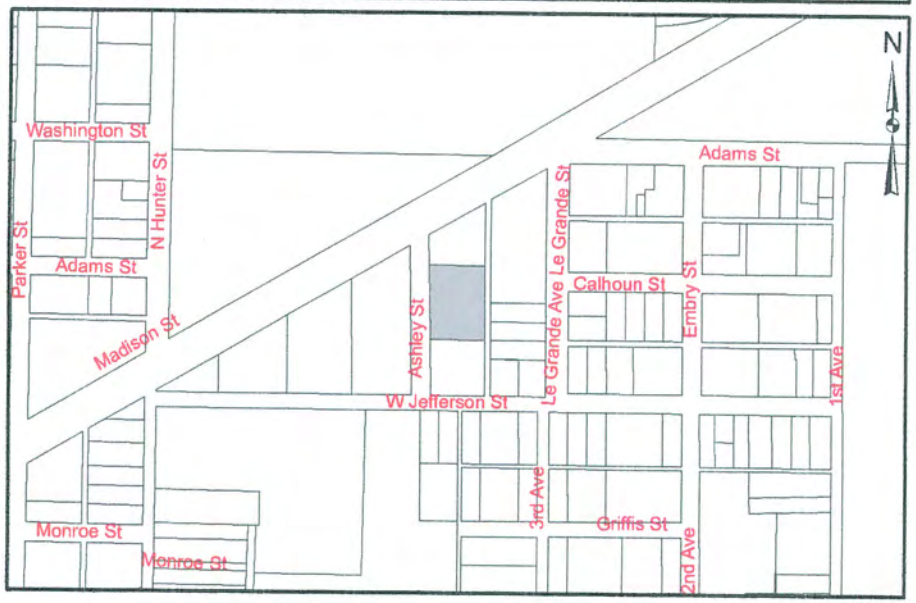
ABBREVIATIONS

S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

PARCEL ID: 3194 **AREA: 0.65 acre**

LOCATION: 505 ASHLEY ST



Date Sampled: 4/22/02

Type: X Surface ____Depth ____Dust _____Confirmatory

Crawlspace? ___ Yes ___No If yes, accessible? ___Yes ___ No

EPA Oversight Initials _____

% Improved Area _____

Is this a Special Use Property? _____ Yes _____ No

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page 1 of 2

Event AOC/CD Residential Sampling
Subevent
Sampler(s) JAT

Date 4/22/09
Begin Time 0905
End Time 0910

Parcel Number/Location 3194 - 505 Ashley St.
Check One: ☐ Front ☐ Back ☐ Side/Misc ☐ Demo ☑ par. Unsuit

CoC ID #1	3194-3B	☑S	☐D	☐B	☐MS/MSD
CoC ID #2		☐S	☐D	☐B	☐MS/MSD
CoC ID #3		☐S	☐D	☐B	☐MS/MSD
CoC ID #4		☐S	☐D	☐B	☐MS/MSD
CoC ID #5		☐S	☐D	☐B	☐MS/MSD
CoC ID #6		☐S	☐D	☐B	☐MS/MSD

Min Depth (in.) 0
Max Depth (in.) 3

Composite ☑
Grab ☐

Sample Composite Includes Soil From Sample Locations (indicated on the locator form): 6-10

Sample Locations Measured By: ☐ Tape (See locator form) ☑ GPS

Coordinates/Measurements: ☐ See attached sheet

Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): Dark brown sandy silt

Check if applicable: ☑ Fill ☑ Native ☐ Other
☐ Pot'l Foundry Mat'l Describe Picture F/N
☐ Debris Found Describe
☐ Odor Describe

Sampling Method/Material Stainless steel auger, bowl and spoon

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
1	4 oz. Glass - PCB (soil)
1	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)

Remarks/Comments:

ABBREVIATIONS

S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page 1 of 1

Event AOC/CD Residential Sampling
Subevent
Sampler(s) JKL
Date 4/22/09
Begin Time 0906
End Time 0911

Parcel Number/Location 3194-305 Ashley St.
Check One: ☐ Front ☐ Back ☐ Side/Misc ☐ Demo ☑ par. Unsuit

CoC ID #1	3194-3C	☑S	☐D	☐B	☐MS/MSD
CoC ID #2		☐S	☐D	☐B	☐MS/MSD
CoC ID #3		☐S	☐D	☐B	☐MS/MSD
CoC ID #4		☐S	☐D	☐B	☐MS/MSD
CoC ID #5		☐S	☐D	☐B	☐MS/MSD
CoC ID #6		☐S	☐D	☐B	☐MS/MSD

Min Depth (in.) 0
Max Depth (in.) 3
Composite ☑
Grab ☐

Sample Composite Includes Soil From Sample Locations (indicated on the locator form): 11-15

Sample Locations Measured By: ☐ Tape (See locator form) ☑ GPS

Coordinates/Measurements: ☐ See attached sheet

Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): Dark brown sandy, silty, clay

Check if applicable: ☑ Fill ☑ Native ☐ Other
☐ Pot'l Foundry Mat'l Describe Picture F/N
☐ Debris Found Describe
☐ Odor Describe

Sampling Method/Material Stainless steel auger, bowl and spoon

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
1	4 oz. Glass - PCB (soil)
1	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)

Remarks/Comments:

ABBREVIATIONS

S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

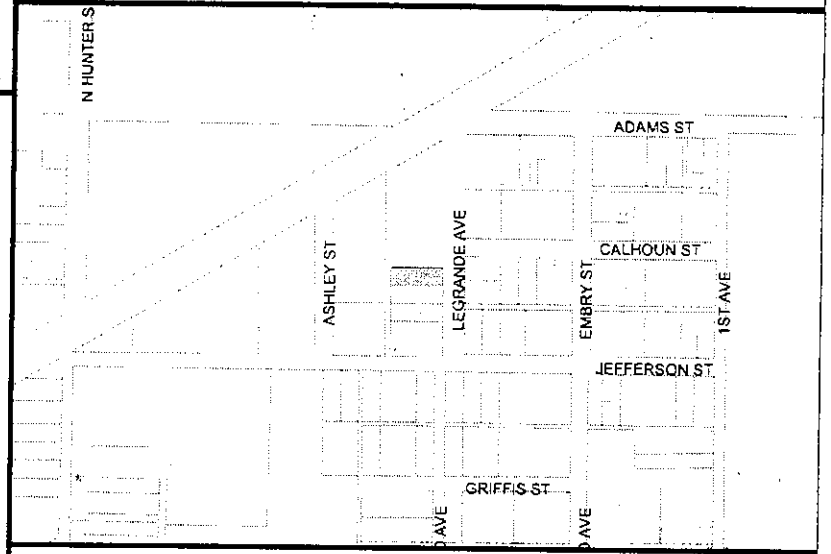
APPENDIX C-4

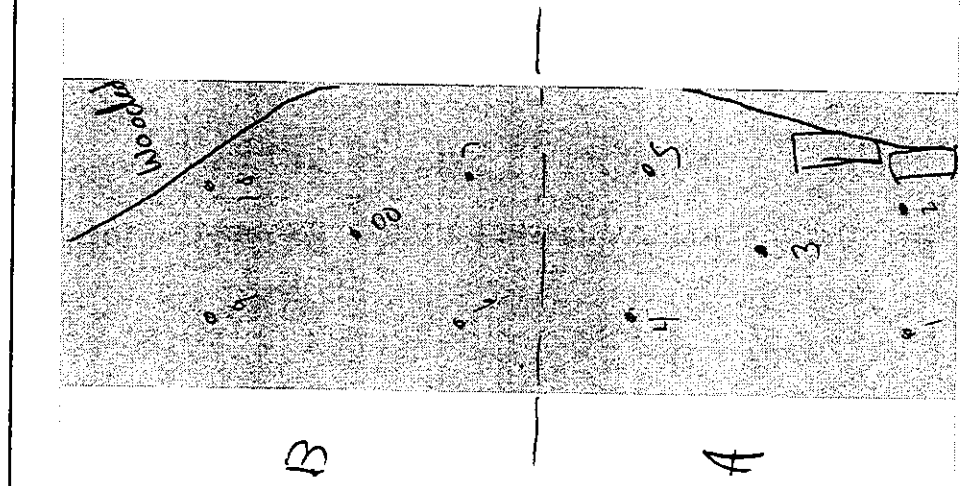
508 LEGRANDE STREET PROPERTY

Parcel ID: 3251 508

Location: ~~510~~ LEGRANDE ST

Area: 0.17 acre





20 0 20 40 Feet

Date Sampled: 4/28/05

Type: X Surface ___Depth ___Dust ___Confirmatory

Crawlspace? ___Yes ___No If yes, accessible? ___Yes ___No

EPA Oversight Initials _____

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page 1 of 2

Event AOC/CD Residential Sampling Parcel Number/Location 3251 - 508 Lagrande

Subevent Check One: ☒ Front Yard ☐ Back Yard ☐ Side/Misc Yard

Sampler(s) MHM

CoC ID #1	3251 - 3A	☒S	☐D	☐B	☐MS/MSD
CoC ID #2		☒S	☐D	☐B	☐MS/MSD
CoC ID #3		☐S	☐D	☐B	☐MS/MSD
CoC ID #4		☐S	☐D	☐B	☐MS/MSD
CoC ID #5		☐S	☐D	☐B	☐MS/MSD
CoC ID #6		☐S	☐D	☐B	☐MS/MSD

Date 4/28/05

Begin Time 0930

End Time 0937

Min Depth (in.) 0

Max Depth (in.) 3

Composite ☒

Grab ☐

Sample Composite Includes Soil From Sample Locations (indicated on the locator form): 1-5

Sample Locations Measured By: ☐ Tape (See locator form) ☒ GPS

Coordinates/Measurements: ☐ See attached sheet

Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	
Point #		N		E	

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): brown sandy silt, slightly loamy.

Check if applicable: ☒ Fill ☒ Native ☐ Other

☐ Pot'l Foundry Matl Describe Picture F/N

☐ Debris Found Describe

☐ Odor Describe

Sampling Method/Material Stainless steel auger, bowl and spoon

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
1	4 oz. Glass - PCB (soil)
1	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)
1	menzie

Remarks/Comments:

ABBREVIATIONS

S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES

SOIL (SOLID) SAMPLING LOG

Project Number 043-3746.OU1 Page 2 of 2

Event AOC/CD Residential Sampling
Subevent
Sampler(s) JAT
Date 4/28/05
Begin Time 0931
End Time 0937

Parcel Number/Location 3251 - 509 Lagrande
Check One: ☐ Front Yard ☑ Back Yard ☐ Side/Misc Yard

CoC ID #1	3251 - 3B	☑S	☐D	☐B ☐MS/MSD
CoC ID #2		☐S	☐D	☐B ☐MS/MSD
CoC ID #3		☐S	☐D	☐B ☐MS/MSD
CoC ID #4		☐S	☐D	☐B ☐MS/MSD
CoC ID #5		☐S	☐D	☐B ☐MS/MSD
CoC ID #6		☐S	☐D	☐B ☐MS/MSD

Min Depth (in.) 0
Max Depth (in.) 3
6 - 10

Composite ☑
Grab ☐

Sample Composite Includes Soil From Sample Locations (indicated on the locator form):

Sample Locations Measured By: ☐ Tape (See locator form) ☑ GPS

Coordinates/Measurements: ☐ See attached sheet

Point #		N		E
Point #		N		E
Point #		N		E
Point #		N		E
Point #		N		E

SAMPLING DATA / FIELD PARAMETERS

Description (w/ color & lithology): dark brown Sandy silt

Check if applicable: ☑ Fill ☐ Native ☐ Other
☐ Pot'l Foundry Mat'l Describe Picture F/N
☐ Debris Found Describe
☐ Odor Describe

Sampling Method/Material Stainless steel auger, bowl and spoon

CONTAINER AND ANALYSES DESCRIPTION

Quantity	Container and Analysis
1	4 oz. Glass - PCB (soil)
1	4 oz. Glass - Lead (soil)
	1-L Glass - PCB (water)
	500 ml Plastic - Lead (water)
1	Mehzie

Remarks/Comments:

ABBREVIATIONS

S = Original Sample B = Field Blank D = Duplicate Sample MS/MSD = Matrix Spike/Matrix Spike Duplicate

USE BACK OF SHEET FOR CALCULATIONS/REMARKS AND USE LOCATOR FORMS FOR PROPERTY SKETCHES