



November 5, 2009

Mr. Jeff Crowley
On-Scene Coordinator
U.S. Environmental Protection Agency
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**Subject: Removal Site Evaluation, Revision 0
Oak Haven Lead Investigation
EPA Contract No. EP-W-05-053
Technical Direction Document (TDD) No. TNA-05-003-0099**

Dear Mr. Crowley:

Oneida Total Integrated Enterprises (OTIE) Superfund Technical Assessment and Response Team (START) is submitting one copy of the Removal Site Evaluation (RSE) for the Oak Haven Lead Investigation Site located in Salisbury, Rowan County, North Carolina.

Please contact me at (678) 355-5550 ext. 5702 if you any questions or comments regarding this report.

Sincerely,

Jorge Sanchez
START Project Manager

Enclosure

cc: Katrina Jones, EPA Project Officer
Darryl Walker, EPA Project Officer
Greg Kowalski, START Program Manager (w/o enclosure)
START File

REMOVAL SITE EVALUATION

OAK HAVEN LEAD INVESTIGATION SALISBURY, ROWAN COUNTY, NORTH CAROLINA

Revision 0

Prepared for:

U.S. ENVIRONMENTAL PROTECTION AGENCY
Region 4
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CONTENTS

<u>Section</u>	<u>Page</u>
1.0 INTRODUCTION.....	1
2.0 SITE BACKGROUND	2
2.1 SITE DESCRIPTION	2
2.2 PREVIOUS INVESTIGATIONS	2
3.0 FIELD INVESTIGATION ACTIVITIES	3
3.1 Surface Soil Sampling.....	4
3.2 Subsurface Soil Sampling	4
4.0 QUALITY ASSURANCE/QUALITY CONTROL.....	4
5.0 SITE INVESTIGATION RESULTS.....	5
6.0 SUMMARY AND CONCLUSIONS	6

APPENDICES

APPENDIX A – FIGURES

- 1 Topographical Map
- 2 Aerial Map
- 3 Residential Sample Locations
- 4 Perimeter Sample Locations
- 5 Surface Sample Locations
- 6 Subsurface Sample Locations

APPENDIX B – TABLES

- 1 Sample Location Coordinates – September 14-18, 2009
- 2 Sample Location Coordinates – September 22-25, 2009
- 3 XRF Sample Results – September 14-18, 2009
- 4 XRF Sample Results with Corresponding Confirmation Laboratory Results – September 22-25, 2009

APPENDIX C – PHOTOGRAPHIC LOG

APPENDIX D – FIELD LOGBOOK NOTES

APPENDIX E – ANALYTICAL RESULTS

1.0 INTRODUCTION

The U.S. Environmental Protection Agency (EPA) tasked the Oneida Total Integrated Enterprises (OTIE) Superfund Technical Assessment and Response Team (START) to perform field activities in support of a Removal Site Evaluation (RSE) at the Oak Haven Lead Investigation Site (the site) located in Salisbury, Rowan County, North Carolina under Contract Number (No.) EP-W-05-053, Technical Direction Document (TDD) No. TNA-05-003-0099. The general purpose of a RSE is to collect information to assist in determining whether an uncontrolled hazardous source is present at the site and subsequently, whether hazardous substances have been released into the environment. Specifically, findings will identify the need for federal intervention under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980 and the Superfund Amendments and Reauthorization Act (SARA) of 1986.

Specifically, START was tasked with the following:

- Documenting RSE activities with written logbook notes and digital photographs;
- Screening surface and subsurface soil for lead concentrations using a Niton[®] X-Ray Fluorescence (XRF) instrument;
- Submitting a limited number of soil samples to a laboratory for total lead analysis;
- Preparing a comprehensive report summarizing the site conditions, field investigation activities, and analytical results of the RSE.

This RSE Report summarizes the existing conditions at the site; describes the field investigation activities conducted by START in September 2009; and, delineates the limits, nature, and extent of soil contamination at the site. All activities and procedures described in this report were performed in accordance with the EPA Region 4 *Field Branches Quality System and Technical Procedures* (FBQSTP).

The following sections provide the details of this RSE Report:

- Section 2 – Describes the site and previous investigations
- Section 3 – Describes the field investigation activities
- Section 4 – Describes the quality assurance/quality control
- Section 5 – Describes the site investigation results
- Section 6 – Provides the summary and conclusion

Figures and tables are provided as Appendices A and B, respectively. A photographic log is provided as Appendix C and a complete copy of the field logbook notes is presented as Appendix D. The analytical results are provided as Appendix E.

2.0 SITE BACKGROUND

This section discusses the site characteristics, previous investigations, and environmental setting of the area.

2.1 SITE DESCRIPTION

The site is located in the Town of Salisbury, Rowan County, North Carolina. The geographic coordinates for the site are 35° 38' 12.9474" North latitude and 80° 31' 46.9158" West longitude (Figure 1, Appendix A). The site is currently the location of the Oak Haven Mobile Home Park. The mobile home park is approximately 31 acres, with the projected impacted area to be approximately 3 acres. There are 63 mobile homes in the community.

The site is bordered by Airport Road to the north, woods to the east and south, and industrial buildings to the west (Figure 2, Appendix A). The site drains into a storm sewer that cuts through the middle of the community which empties into an unnamed tributary of Grants Creek.

2.2 PREVIOUS INVESTIGATIONS

During the installation of a sanitary sewer along the western portion of the property, the work crew dug into battery chips and referred the site to North Carolina Department of Environment and Natural Resources (NCDENR). NCDENR conducted an investigation of the property and determined that the storm sewer that runs through the site was built up on battery casings and that battery chips were used as fill material. NCDENR conducted sampling activities and found elevated levels of lead contamination in the soils surrounding the storm sewer. It is believed that the chips were deposited in this location sometime in the early 1970s while grading the land for the mobile home park. As a result of the sampling, NCDENR identified four areas for excavation. During the week of August 31, 2009, NCDENR began excavation on the area located along the northern edge of the storm drain, which is the largest of the areas identified. During this time, NCDENR excavated down to 10 feet below ground surface (bgs) where large quantities of battery chips were discovered. An estimated 1,200 tons of soil

was excavated from the area. However, due to budgetary restrictions, NCDENR would not be able to complete the full removal. Therefore, NCDENR referred the site to Region 4 Emergency Response and Removal Branch (ERRB) for a RSE based on the elevated levels of lead present from the battery chips in surface soils.

On September 10, 2009, EPA On-Scene Coordinators (OSCs) conducted a site visit during excavation activities and noted a large number of battery chips in the bottom of the 10 foot deep excavation pit. The pit was filled in with clean soil, leaving the battery casings at the bottom. EPA OSCs also noted whole battery casings stacked along the storm sewer.

3.0 FIELD INVESTIGATION ACTIVITIES

During September 2009, START performed a RSE that included surface and subsurface screening, soil sampling, and analysis activities at the site to identify the nature and extent of lead contamination in on-site soils. START utilized an XRF instrument to screen on-site soils for lead contamination to a maximum depth of 24 inches bgs. Surface soil grab samples (0 to 6 inches bgs) and subsurface grab samples (6 to 24 inches bgs) were collected from locations specified by the EPA OSC and screened using the XRF. The photographic log and field logbook notes can be found in Appendices C and D, respectively.

The RSE was conducted in two phases. The first phase included surface soil screening activities conducted on September 14-18, 2009. The second phase of the investigation included subsurface screening/sampling activities conducted on September 22-25, 2009. START collected a total of 236 surface soil samples (residences, the site perimeter, and general site areas) and 66 subsurface soil samples using stainless steel spoons for screening using the XRF. In addition, a percentage of the samples screened (at the discretion of the EPA OSC) were submitted to Accutest Laboratories for analysis of total lead in accordance with SW846 Method 6010B. The data gathered during the RSE was used to determine the presence or absence of site-attributable contaminants that may pose a threat to human health and the environment.

Geographic positioning information was collected for all sampling locations and was geographically referenced using ArcView and uploaded to a hand-held Trimble® Global Positioning System (GPS). Tables 1 and 2 provided in Appendix B presents the GPS coordinates for each sample location collected during the two phases.

The following subsections summarize field investigation activities including surface soil sampling (Subsection 3.1) and subsurface soil sampling (Subsection 3.2).

3.1 SURFACE SOIL SAMPLING

From September 14 to September 18, 2009, START collected surface soil samples for screening purposes. Hand augers and stainless steel spoons were used to collect the grab samples from 0 to 6 inches bgs. START collected a total of 236 surface soil samples, which included 68 samples from residences of the trailer park (Figure 3, Appendix A), 57 samples from the site perimeter (Figure 4, Appendix A), and 111 samples from general site areas within the trailer park (Figure 5, Appendix A). Once each sample was collected, the sample was placed into a zip top bag and screened for lead using the XRF. Screening results for each sample location are found on Table 3 in Appendix B.

3.2 SUBSURFACE SOIL SAMPLING

On September 22, 2009, START mobilized back to the site at the request of the EPA OSC in order to collect subsurface soil samples for screening and analytical purposes. Hand augers and stainless steel spoons were used to collect the grab samples from 6 to 24 inches bgs. START collected a total of 66 subsurface soil samples from various locations near the area that NCDENR excavated in early September 2009 (see Figure 6, Appendix A). Once each sample was collected, the sample was placed into a zip top bag and screened for lead using the XRF. Screening results for each sample location are found on Table 4 in Appendix B.

At the discretion of the EPA OSC, 25 of the 66 samples screened were chosen to be analyzed for lead by a private laboratory in order to correlate XRF results to analytical results. Therefore, the samples were containerized, placed on ice, packaged for shipment in accordance with FBSQTP Packing, Marking, Labeling, and Shipping of Environmental and Waste Samples (SESDPROC-209-R1), and submitted to Accutest Laboratories for analysis of total lead in accordance with SW846 Method 6010B. The analytical results for each sample collected are found on Table 4 in Appendix B.

4.0 QUALITY ASSURANCE/QUALITY CONTROL

QA/QC data are necessary to determine precision and accuracy and to demonstrate the absence of interferences and/or contamination of sampling equipment, glassware, and reagents. This section

describes the QA/QC measures taken and provides an evaluation of the usability of data presented in this report.

All samples were collected in accordance with the EPA SESD FBQSTP. A total of 25 soil samples and one duplicate sample were collected and analyzed by Accutest Laboratories for total lead analysis by SW846 Method 6010B. In addition, two matrix spike/matrix spike duplicate samples (SB058 and SB061) were collected and submitted to the laboratory for analysis.

5.0 SITE INVESTIGATION RESULTS

The following sections summarize the XRF and laboratory results for soil samples collected during the RSE field sampling activities. For the purposes of evaluating sample results, lead results were compared to the Removal Action Level (RAL) for residential soil (400 parts per million [ppm]).

From September 14 to September 18, 2009, START conducted XRF screening of surface soils (0-6 inches bgs) at locations determined on-site by the EPA OSC in order to determine the type and distribution of impacts present at the site. A total of 236 locations (residences, the site perimeter, and general site areas) were collected and screened with the XRF for lead concentrations (Appendix B, Table 3). XRF results indicated 1 surface location with concentrations of lead above the residential RAL of 400 ppm. Surface XRF results for lead for residential sample locations are found in Appendix A, Figure 3; XRF results for perimeter sample locations are found in Appendix A, Figure 4; and XRF results for general site area sample locations are found in Appendix A, Figure 5.

From September 22 to September 25, 2009, EPA requested that START collect subsurface samples using hand augers from a depth of 6 inches bgs to 24 inches bgs. A total of 66 locations were collected and screened with the XRF for lead concentrations. XRF results indicated 18 subsurface locations with concentrations of lead above the residential RAL of 400 ppm, with values ranging from 459 ppm to 16,628 ppm. Based on the XRF results, areas were identified by the EPA OSC for the collection of confirmation soil samples to be submitted for laboratory analysis. A total of 25 soil samples plus one duplicate were collected by START for lead analysis by SW846 Method 6010B. Results of the analyses indicated that 16 subsurface soil samples exceeded the residential RAL for lead, with values ranging from 673 ppm to 23,200 ppm. Subsurface XRF results for lead at each sample location are found in Appendix A, Figure 6. In addition, a comparison between XRF results and laboratory results is located in Appendix B, Table 4.

6.0 SUMMARY AND CONCLUSIONS

The site is located in the Town of Salisbury, Rowan County, North Carolina and is currently the location of the Oak Haven Mobile Home Park. The mobile home park is approximately 31 acres, with the projected impacted area to be approximately 3 acres. There are 63 mobile homes in the community. The site is bordered by Airport Road to the north, woods to the east and south, and industrial buildings to the west. The site drains into a storm sewer that cuts through the middle of the community that empties into an unnamed tributary of Grants Creek.

Analytical results from previous investigations at the site indicate that lead from battery chips and battery casings were detected in site soils exceeding regulatory criteria, with concentrations as high as 14,000 ppm.

On September 14-18, 2009 and September 22-25, 2009, START performed RSE field investigation activities at the site, including identification of areas of contamination at the site, evaluation of the hazardous nature of those contaminants, and compiling and presenting the information to EPA in order to determine the need for federal intervention under CERCLA. A total of 236 surface soil and 66 subsurface soil samples were screened using an XRF to identify the presence or absence of lead in the site soils. XRF results indicated 1 surface and 18 subsurface locations with concentrations of lead above the residential RAL, with values ranging from 459 ppm to 16,628 ppm. Based on the XRF results, areas were identified for the collection of confirmation subsurface soil samples to be submitted for laboratory analysis. A total of 25 subsurface soil samples were collected for lead analysis. Results of the laboratory analyses indicated that 16 subsurface soil samples exceeded the residential RAL for lead, with values ranging from 673 ppm to 23,200 ppm.

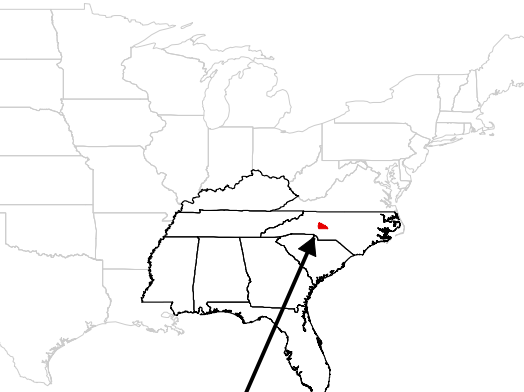
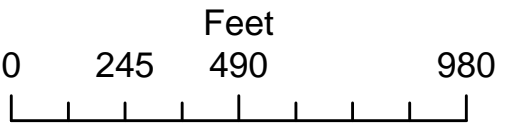
Further activities associated with this site will be determined by EPA.

APPENDIX A
FIGURES



Legend

 Site Boundary



Salisbury,
Rowan County,
North Carolina



OAK HAVEN LEAD INVESTIGATION
SALISBURY,
ROWAN COUNTY,
NORTH CAROLINA
TDD No: TNA-05-003-0099

FIGURE 1
TOPOGRAPHICAL MAP



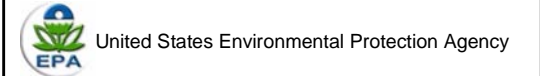
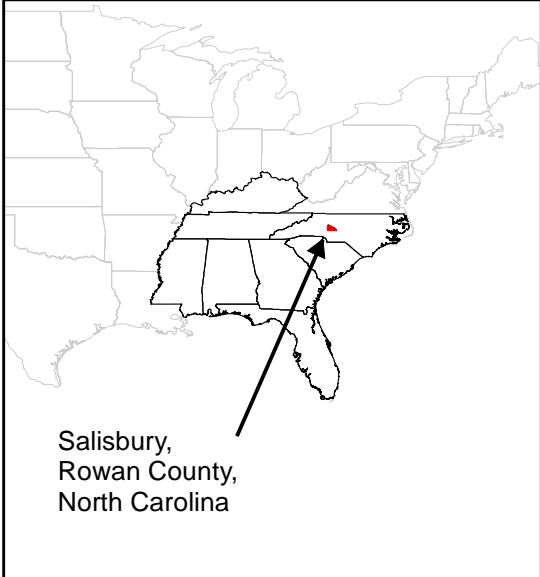
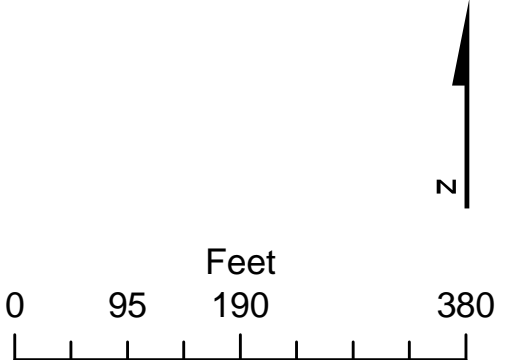


AERIAL By: Digital Globe

Disclaimer: This map is intended for visual orientation use only. In no way is this map to be used for precise locational use.

Legend

 Site Boundary



OAK HAVEN LEAD INVESTIGATION
SALISBURY,
ROWAN COUNTY,
NORTH CAROLINA
TDD No: TNA-05-003-0099

FIGURE 2
AERIAL MAP





AERIAL By: Digital Globe

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Legend

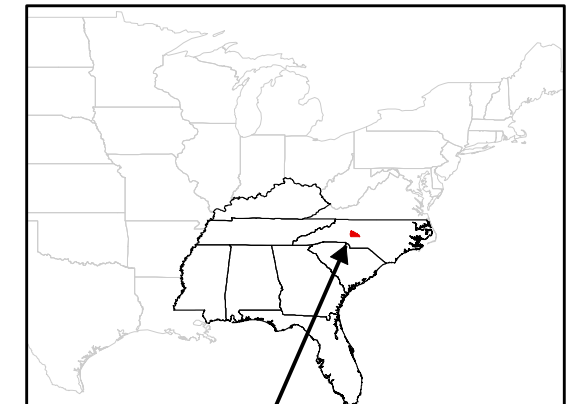
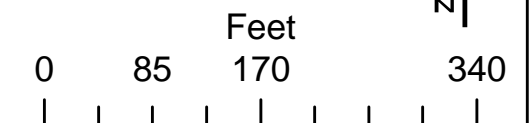


Site Boundary



Residential Sample Points

Notes:
OHTP - Oak Haven Trailer Park
SS - Soil Sample
Units in ppm - parts per million



Salisbury,
Rowan County,
North Carolina



United States Environmental Protection Agency

OAK HAVEN LEAD INVESTIGATION
SALISBURY,
ROWAN COUNTY,
NORTH CAROLINA
TDD No: TNA-05-003-0099


FIGURE 3
RESIDENTIAL SAMPLE LOCATIONS
SEPTEMBER 14-18, 2009



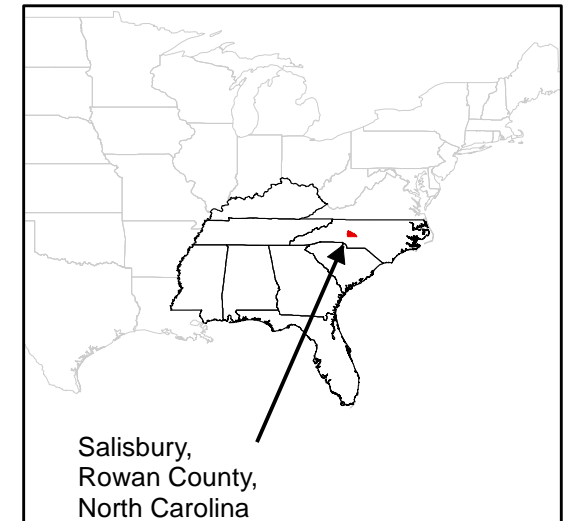
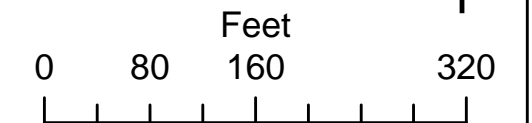


Legend

 Site Boundary

 Perimeter Sample Points

Notes:
OHTP - Oak Haven Trailer Park
SS - Soil Sample
Units in ppm - parts per million



OAK HAVEN LEAD INVESTIGATION
SALISBURY,
ROWAN COUNTY,
NORTH CAROLINA
TDD No: TNA-05-003-0099

FIGURE 4
PERIMETER SAMPLE LOCATIONS
SEPTEMBER 14-18, 2009







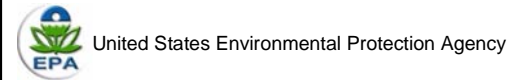
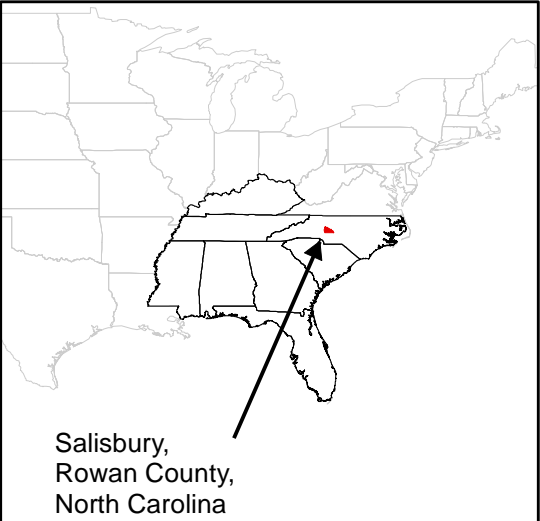
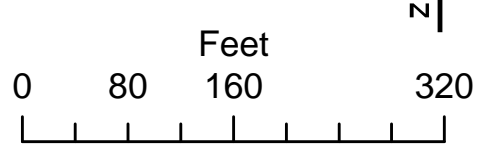
AERIAL By: Digital Globe

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Legend

-  Site Boundary
-  Surface Sample Points

Notes:
OHTP - Oak Haven Trailer Park
SS - Soil Sample
Units in ppm - parts per million



OAK HAVEN LEAD INVESTIGATION
SALISBURY,
ROWAN COUNTY,
NORTH CAROLINA
TDD No: TNA-05-003-0099

FIGURE 5
SURFACE SAMPLE LOCATIONS
SEPTEMBER 14-18, 2009





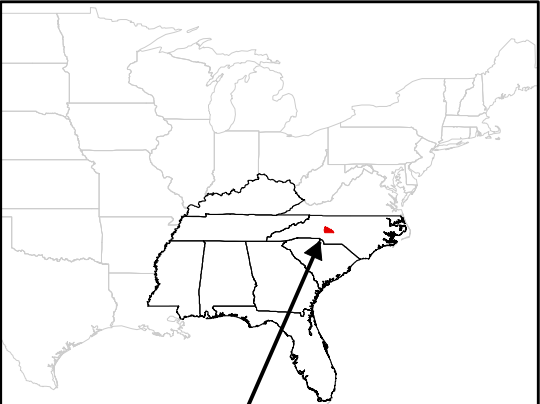
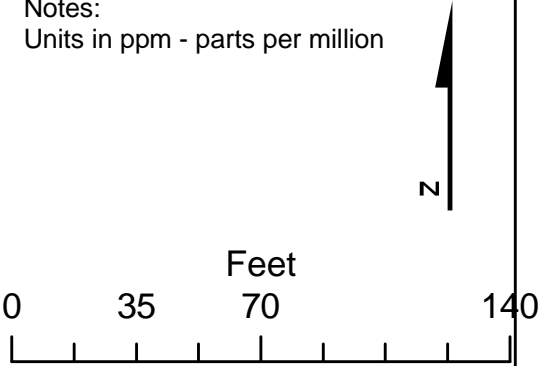
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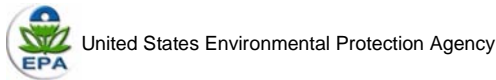
Legend

- Subsurface Lead Values Below Exceedance
- Subsurface Lead Values In Exceedance

Notes:
Units in ppm - parts per million



Salisbury,
Rowan County,
North Carolina



OAK HAVEN LEAD INVESTIGATION
SALISBURY,
ROWAN COUNTY,
NORTH CAROLINA
TDD No: TNA-05-003-0099

FIGURE 6
SUBSURFACE SAMPLE LOCATIONS
SEPTEMBER 22-25, 2009



APPENDIX B
TABLES

TABLE 1
OAK HAVEN LEAD INVESTIGATION
SAMPLE LOCATION COORDINATES
SEPTEMBER 14-18, 2009

Sample Location	Longitude	Latitude
OHTP-SS-001	-80.52987291680	35.63658529230
OHTP-SS-002	-80.52977872060	35.63661548550
OHTP-SS-003	-80.52982108350	35.63652977660
OHTP-SS-004	-80.52971222680	35.63658825960
OHTP-SS-005	-80.52966743880	35.63671071690
OHTP-SS-006	-80.52958828120	35.63667298870
OHTP-SS-007	-80.52963890480	35.63662336700
OHTP-SS-008	-80.52946524100	35.63662967670
OHTP-SS-009	-80.52947813940	35.63672276040
OHTP-SS-010	-80.52956676340	35.63682272490
OHTP-SS-011	-80.52947764110	35.63689030520
OHTP-SS-012	-80.52941727360	35.63679378700
OHTP-SS-013	-80.52932861790	35.63674602590
OHTP-SS-014	-80.52941064050	35.63698173270
OHTP-SS-015	-80.52936493860	35.63691583270
OHTP-SS-016	-80.52942248530	35.63704546150
OHTP-SS-017	-80.52924115290	35.63685847550
OHTP-SS-018	-80.52932019500	35.63712347310
OHTP-SS-019	-80.52935826450	35.63716593710
OHTP-SS-020	-80.52916928100	35.63705842900
OHTP-SS-021	-80.52928485400	35.63720549470
OHTP-SS-022	-80.52919779790	35.63716627350
OHTP-SS-023	-80.52919966730	35.63726114680
OHTP-SS-024	-80.52910630680	35.63720966480
OHTP-SS-025	-80.52908706610	35.63733733570
OHTP-SS-026	-80.52897647730	35.63726521050
OHTP-SS-027	-80.52895627260	35.63739378640
OHTP-SS-028	-80.52879824520	35.63728280990
OHTP-SS-029	-80.52888502780	35.63740330790

Sample Location	Longitude	Latitude
OHTP-SS-030	-80.52872564700	35.63747178610
OHTP-SS-031	-80.52869437520	35.63725841990
OHTP-SS-032	-80.52857870270	35.63755819860
OHTP-SS-033	-80.52852586080	35.63758690570
OHTP-SS-034	-80.52851123590	35.63763641290
OHTP-SS-035	-80.52841693970	35.63762694200
OHTP-SS-036	-80.52849483630	35.63769594440
OHTP-SS-037	-80.52839460800	35.63768780220
OHTP-SS-038	-80.52844462990	35.63775545430
OHTP-SS-039	-80.52836046500	35.63775817400
OHTP-SS-040	-80.52844543350	35.63782611130
OHTP-SS-041	-80.52836974850	35.63780793390
OHTP-SS-042	-80.52838310110	35.63786619550
OHTP-SS-043	-80.52830727720	35.63780835080
OHTP-SS-044	-80.52834549880	35.63791002830
OHTP-SS-045	-80.52836831880	35.63792247430
OHTP-SS-046	-80.52845129780	35.63795109170
OHTP-SS-047	-80.52849274160	35.63801924480
OHTP-SS-048	-80.52844470660	35.63809070090
OHTP-SS-049	-80.52837788260	35.63813844880
OHTP-SS-050	-80.52828773730	35.63817490630
OHTP-SS-051	-80.52829824150	35.63830903680
OHTP-SS-052	-80.52829321270	35.63840403670
OHTP-SS-053	-80.52828538290	35.63849255940
OHTP-SS-054	-80.52828270910	35.63858739330
OHTP-SS-055	-80.52843919490	35.63859319010
OHTP-SS-056	-80.52857565480	35.63861553020
OHTP-SS-057	-80.52858077610	35.63835580690
OHTP-SS-058	-80.52856039170	35.63820189850
OHTP-SS-059	-80.52987486580	35.63692950900
OHTP-SS-060	-80.52980851570	35.63694920860
OHTP-SS-061	-80.52972575050	35.63700178920
OHTP-SS-062	-80.52967479080	35.63706891290

Sample Location	Longitude	Latitude
OHTP-SS-063	-80.52961603370	35.63715463230
OHTP-SS-064	-80.52955445580	35.63727749630
OHTP-SS-065	-80.52934529190	35.63726970930
OHTP-SS-066	-80.52927910500	35.63731417490
OHTP-SS-067	-80.52921983770	35.63726712880
OHTP-SS-068	-80.52914710770	35.63732985810
OHTP-SS-069	-80.52908943150	35.63737566640
OHTP-SS-070	-80.52901110250	35.63738639160
OHTP-SS-071	-80.52892518080	35.63741357630
OHTP-SS-072	-80.52886798230	35.63745341360
OHTP-SS-073	-80.52881451090	35.63750934640
OHTP-SS-074	-80.52873420030	35.63754853710
OHTP-SS-075	-80.52861581300	35.63759759600
OHTP-SS-076	-80.52857427760	35.63757063380
OHTP-SS-077	-80.52853758160	35.63764002430
OHTP-SS-078	-80.52849905020	35.63771635880
OHTP-SS-079	-80.52847743800	35.63780240970
OHTP-SS-080	-80.52846346050	35.63785392520
OHTP-SS-081	-80.52858263000	35.63819611280
OHTP-SS-082	-80.52847906430	35.63818278100
OHTP-SS-083	-80.52854254980	35.63803583170
OHTP-SS-084	-80.52863703380	35.63801882210
OHTP-SS-085	-80.52863985140	35.63790361650
OHTP-SS-086	-80.52853053430	35.63792262230
OHTP-SS-087	-80.52861982000	35.63778567100
OHTP-SS-088	-80.52880571320	35.63785770630
OHTP-SS-089	-80.52879534450	35.63778609640
OHTP-SS-090	-80.52879473460	35.63771761860
OHTP-SS-091	-80.52877884230	35.63762306520
OHTP-SS-092	-80.52889094740	35.63758616220
OHTP-SS-093	-80.52893467990	35.63765612420
OHTP-SS-094	-80.52896234690	35.63772224700
OHTP-SS-095	-80.52899633420	35.63777252470

Sample Location	Longitude	Latitude
OHTP-SS-096	-80.52915106920	35.63770418880
OHTP-SS-097	-80.52914251490	35.63766258480
OHTP-SS-098	-80.52912253550	35.63760677860
OHTP-SS-099	-80.52909085760	35.63752129030
OHTP-SS-100	-80.52924829210	35.63745555830
OHTP-SS-101	-80.52927303620	35.63751602680
OHTP-SS-102	-80.52929978040	35.63759081980
OHTP-SS-103	-80.52933551010	35.63766496620
OHTP-SS-104	-80.52946682620	35.63762439950
OHTP-SS-105	-80.52945223410	35.63756480870
OHTP-SS-106	-80.52945042130	35.63747841590
OHTP-SS-107	-80.52943763880	35.63738530620
OHTP-SS-108	-80.52970979940	35.63639255250
OHTP-SS-109	-80.52967018640	35.63641031360
OHTP-SS-110	-80.52960532940	35.63641712760
OHTP-SS-110 WALNUT COVE	-80.52980560650	35.63768476360
OHTP-SS-111	-80.52951540230	35.63643193620
OHTP-SS-120 WALNUT COVE	-80.52983636700	35.63775457990
OHTP-SS-120 PINE CONE LN	-80.52919056560	35.63696618420
OHTP-SS-120b	-80.52915675780	35.63684089990
OHTP-SS-125	-80.52911845440	35.63721726820
OHTP-SS-130	-80.53009305510	35.63754185050
OHTP-SS-135	-80.52999576430	35.63730485750
OHTP-SS-140	-80.52888365580	35.63703565360
OHTP-SS-140b	-80.52889639930	35.63688813860
OHTP-SS-145	-80.52892865980	35.63727523390
OHTP-SS-BY 793	-80.52897676530	35.63840468630
OHTP-SS-1014	-80.52956539130	35.63868658220
OHTP-SS-1025	-80.52937363660	35.63858909320
OHTP-SS-1028	-80.52954001790	35.63856570180
OHTP-SS-1039	-80.52932871860	35.63844413790
OHTP-SS-1042	-80.52952302170	35.63841295320
OHTP-SS-1053	-80.52933536380	35.63837994870

Sample Location	Longitude	Latitude
OHTP-SS-1056	-80.52951785820	35.63827414690
OHTP-SS-1067	-80.52932529910	35.63819383980
OHTP-SS-1070	-80.52939281190	35.63814941960
OHTP-SS-1081	-80.52928546520	35.63808914860
OHTP-SS-1084	-80.52946488560	35.63799765760
OHTP-SS-1095	-80.52928465570	35.63792929710
OHTP-SS-1098	-80.52947182860	35.63786035490
OHTP-SS-1120	-80.52961254420	35.63741992330
OHTP-SS-1190 TALL OAKS CR	-80.52961459540	35.63720424070
OHTP-SS-1223	-80.52930018180	35.63666310780
OHTP-SS-1235	-80.52933043040	35.63646079880
OHTP-SS-1247	-80.52918643380	35.63634655260
OHTP-SS-1259	-80.52924777820	35.63614378280
OHTP-SS-1271	-80.52923059410	35.63602585060
OHTP-SS-1283	-80.52921591120	35.63587296890
OHTP-SS-1295	-80.52918913800	35.63570097670
OHTP-SS-1315	-80.52920319350	35.63551412490
OHTP-SS-1331	-80.52917738550	35.63534795200
OHTP-SS-1328	-80.52926492540	35.63506155360
OHTP-SS-1328g	-80.52923503390	35.63490409820
OHTP-SS-1336	-80.52891403840	35.63506508830
OHTP-SS-1343	-80.52864568760	35.63535186500
OHTP-SS-1344	-80.52873299470	35.63499651780
OHTP-SS-1352	-80.52857264400	35.63509080610
OHTP-SS-1357	-80.52865308870	35.63550484350
OHTP-SS-1360	-80.52846457230	35.63498234870
OHTP-SS-1368	-80.52846977920	35.63532044310
OHTP-SS-1371	-80.52873390180	35.63564090340
OHTP-SS-1376	-80.52847564010	35.63552642180
OHTP-SS-1384	-80.52841078440	35.63577158560
OHTP-SS-1385	-80.52864456770	35.63586017600
OHTP-SS-1392	-80.52838983600	35.63594312710
OHTP-SS-1415	-80.52863755990	35.63602467110

Sample Location	Longitude	Latitude
OHTP-SS-1416	-80.52843296040	35.63607509490
OHTP-SS-1429	-80.52869542310	35.63616603960
OHTP-SS-1432	-80.52848738140	35.63623236250
OHTP-SS-1443	-80.52867476510	35.63633040320
OHTP-SS-1448	-80.52840250060	35.63641437550
OHTP-SS-1457	-80.52867884230	35.63650511030
OHTP-SS-1464	-80.52850662810	35.63657438100
OHTP-SS-1471-paint	-80.52875979150	35.63664954230
OHTP-SS-1471-front	-80.52870785740	35.63667174390
OHTP-SS-1471-side	-80.52878462460	35.63662394950
OHTP-SS-1480	-80.52848510240	35.63680668650
OHTP-SS-1496	-80.52835609420	35.63691120360
OHTP-SS-1512	-80.52850484770	35.63713972170
OHTP-SS-1526	-80.52845289820	35.63723054490
OHTP-SS-1540	-80.52851141040	35.63753819780
OHTP-SS-1545	-80.52892992710	35.63789141340
OHTP-SS-1559	-80.52894475680	35.63806794800
OHTP-SS-1573	-80.52881047100	35.63824332770
OHTP-SSP-112	-80.52963884270	35.63631477330
OHTP-SSP-113	-80.52962584140	35.63623447020
OHTP-SSP-114	-80.52963403360	35.63615021890
OHTP-SSP-115	-80.52961993440	35.63602632540
OHTP-SSP-116	-80.52959145350	35.63590674050
OHTP-SSP-117	-80.52960115980	35.63579421210
OHTP-SSP-118	-80.52956628530	35.63570517050
OHTP-SSP-119	-80.52953185500	35.63561571790
OHTP-SSP-120	-80.52950797240	35.63551816700
OHTP-SSP-121	-80.52949689570	35.63540576690
OHTP-SSP-122	-80.52945649800	35.63529613140
OHTP-SSP-123	-80.52942333780	35.63517599810
OHTP-SSP-124	-80.52939713710	35.63505559320
OHTP-SSP-125	-80.52936064440	35.63493395030
OHTP-SSP-126	-80.52914375500	35.63486594230

Sample Location	Longitude	Latitude
OHTP-SSP-127	-80.52896670540	35.63487755080
OHTP-SSP-128	-80.52886189730	35.63489745930
OHTP-SSP-129	-80.52874902780	35.63490781250
OHTP-SSP-130	-80.52854694000	35.63489623270
OHTP-SSP-131	-80.52832510510	35.63490105300
OHTP-SSP-132	-80.52822439320	35.63498273310
OHTP-SSP-133	-80.52820754820	35.63510267140
OHTP-SSP-134	-80.52820205150	35.63520927230
OHTP-SSP-135	-80.52820625270	35.63530881220
OHTP-SSP-136	-80.52821488910	35.63540762400
OHTP-SSP-137	-80.52822770170	35.63552581140
OHTP-SSP-138	-80.52822286440	35.63560325690
OHTP-SSP-139	-80.52820661410	35.63574596160
OHTP-SSP-140	-80.52820683400	35.63582754510
OHTP-SSP-141	-80.52821507410	35.63604178120
OHTP-SSP-142	-80.52820748900	35.63616993490
OHTP-SSP-143	-80.52821638570	35.63630773810
OHTP-SSP-144	-80.52819524890	35.63642374730
OHTP-SSP-145	-80.52818965810	35.63654701720
OHTP-SSP-146	-80.52821359610	35.63671045330
OHTP-SSP-147	-80.52818385470	35.63681525990
OHTP-SSP-148	-80.52816027690	35.63696992170
OHTP-SSP-149	-80.52885030920	35.63682459970
OHTP-SSP-150	-80.52902299350	35.63662191140
OHTP-SSP-151	-80.52902718740	35.63650973520
OHTP-SSP-152	-80.52901760930	35.63638609640
OHTP-SSP-153	-80.52901219390	35.63627651250
OHTP-SSP-154	-80.52901020940	35.63624067310
OHTP-SSP-155	-80.52900681620	35.63607174880
OHTP-SSP-156	-80.52898638840	35.63591823460
OHTP-SSP-157	-80.52899849730	35.63583355900
OHTP-SSP-158	-80.52898705060	35.63572013210
OHTP-SSP-159	-80.52898903570	35.63564556790

Sample Location	Longitude	Latitude
OHTP-SSP-160	-80.52898168350	35.63549502140
OHTP-SSP-161	-80.52896378700	35.63534527650
OHTP-SSP-162	-80.52980019900	35.63649183880
OHTP-SSP-163	-80.52983121080	35.63642480460
OHTP-SSP-164	-80.52986837120	35.63630209360
OHTP-SSP-165	-80.52984385220	35.63620451590
OHTP-SSP-166	-80.52989806110	35.63610248250
OHTP-SSP-167	-80.52983095340	35.63600553630
OHTP-SSP-168	-80.52992423710	35.63631391760

Notes:

OHTP – Oak Haven Trailer Park

SS – Surface Soil

SSP – Surface Soil Perimeter

TABLE 2
OAK HAVEN LEAD INVESTIGATION
SAMPLE LOCATION COORDINATES
SEPTEMBER 22-25, 2009

Sample Location	Longitude	Latitude
SB001	-80.52976662970	35.63660349820
SB002	-80.52968595010	35.63660265480
SB003	-80.52966772040	35.63659666050
SB004	-80.52964613030	35.63667017630
SB005	-80.52970518150	35.63667316750
SB006	-80.52984119700	35.63673096790
SB007	-80.52982893210	35.63672555410
SB008	-80.52977218780	35.63679539100
SB009	-80.52973371750	35.63675327530
SB010	-80.52967425320	35.63674379220
SB011	-80.52961512420	35.63674224160
SB012	-80.52957591330	35.63679457130
SB013	-80.52945777760	35.63672138150
SB014	-80.52942705350	35.63673693530
SB015	-80.52943362960	35.63678006270
SB016	-80.52940161940	35.63682998080
SB017	-80.52938439070	35.63687417430
SB018	-80.52937481890	35.63692749340
SB019	-80.52935690610	35.63696268850
SB020	-80.52939359990	35.63676284450
SB021	-80.52948539990	35.63677300290
SB022	-80.52959136300	35.63678370530
SB023	-80.52964703730	35.63678634010
SB024	-80.52970565670	35.63679137560
SB025	-80.52971919570	35.63680031460
SB026	-80.52961630520	35.63686440750
SB027	-80.52957905990	35.63686143100
SB028	-80.52957724760	35.63689160660
SB029	-80.52952123910	35.63689050550

Sample Location	Longitude	Latitude
SB030	-80.52948814290	35.63688699070
SB031	-80.52945523410	35.63683063220
SB032	-80.52943968020	35.63689068580
SB033	-80.52948293690	35.63690366490
SB034	-80.52953683210	35.63690795680
SB035	-80.52951535970	35.63693780840
SB036	-80.52944782760	35.63694984510
SB037	-80.52940726550	35.63693391780
SB038	-80.52939856470	35.63697529310
SB039	-80.52943027120	35.63698519970
SB040	-80.52947076110	35.63700060170
SB041	-80.52943282780	35.63702452680
SB042	-80.52942658740	35.63701056250
SB043	-80.52936848270	35.63700141540
SB044	-80.52938980860	35.63704544170
SB045	-80.52940318890	35.63707686250
SB046	-80.52933839630	35.63712537070
SB047	-80.52935855390	35.63716135120
SB048	-80.52931759950	35.63720561090
SB049	-80.52926762860	35.63724697790
SB050	-80.52920693500	35.63722192910
SB051	-80.52914606110	35.63730382750
SB052	-80.52908850030	35.63735115940
SB053	-80.52908212440	35.63732920430
SB054	-80.52901922700	35.63739584330
SB055	-80.52891315570	35.63741159650
SB056	-80.52892438860	35.63738706440
SB057	-80.52883192340	35.63744364400
SB058	-80.52872698540	35.63748029710
SB059	-80.52873228930	35.63744691070
SB060	-80.52860137360	35.63757559140
SB061	-80.52852783130	35.63761066090
SB062	-80.52850561210	35.63767902440

Sample Location	Longitude	Latitude
SB063	-80.52839796230	35.63776088940
SB064	-80.52852354170	35.63783471470
SB065	-80.52840653000	35.63786473230
SB066	-80.52837129850	35.63790629130

Notes:

SB – Soil Boring

TABLE 3
OAK HAVEN LEAD INVESTIGATION
XRF SAMPLE RESULTS
SEPTEMBER 14-18, 2009

Sample Location	XRF Lead Soil Results (ppm) ¹	Lead +/- Error (ppm)
OHTP-SS-001	19	6
OHTP-SS-002	<LOD	--
OHTP-SS-003	<LOD	--
OHTP-SS-004	43	6
OHTP-SS-005	1039	27
OHTP-SS-006	27	6
OHTP-SS-007	25	6
OHTP-SS-008	20	5
OHTP-SS-009	113	9
OHTP-SS-010	39	6
OHTP-SS-011	<LOD	--
OHTP-SS-012	70	2
OHTP-SS-013	<LOD	39
OHTP-SS-014	<LOD	8
OHTP-SS-015	42	7
OHTP-SS-016	79	8
OHTP-SS-017	<LOD	--

Sample Location	XRF Lead Soil Results (ppm) ¹	Lead +/- Error (ppm)
OHTP-SS-018	<LOD	--
OHTP-SS-019	23	6
OHTP-SS-020	<LOD	--
OHTP-SS-021	19	6
OHTP-SS-022	<LOD	--
OHTP-SS-023	23	6
OHTP-SS-024	<LOD	--
OHTP-SS-025	21	6
OHTP-SS-026	22	6
OHTP-SS-027	16	5
OHTP-SS-028	<LOD	--
OHTP-SS-029	<LOD	--
OHTP-SS-030	<LOD	--
OHTP-SS-031	24	6
OHTP-SS-032	<LOD	--
OHTP-SS-033	28	5
OHTP-SS-034	51	7
OHTP-SS-035	20	5
OHTP-SS-036	120	9
OHTP-SS-037	26	5
OHTP-SS-038	29	6

Sample Location	XRF Lead Soil Results (ppm) ¹	Lead +/- Error (ppm)
OHTP-SS-039	16	5
OHTP-SS-040	30	6
OHTP-SS-041	24	5
OHTP-SS-042	41	6
OHTP-SS-043	<LOD	--
OHTP-SS-044	78	8
OHTP-SS-045	91	8
OHTP-SS-046	24	6
OHTP-SS-047	<LOD	--
OHTP-SS-048	22	5
OHTP-SS-049	31	6
OHTP-SS-050	25	6
OHTP-SS-051	22	6
OHTP-SS-052	21	7
OHTP-SS-053	22	5
OHTP-SS-054	29	6
OHTP-SS-055	<LOD	--
OHTP-SS-056	<LOD	--
OHTP-SS-057	<LOD	--
OHTP-SS-058	20	5
OHTP-SS-059	21	5

Sample Location	XRF Lead Soil Results (ppm) ¹	Lead +/- Error (ppm)
OHTP-SS-060	23	6
OHTP-SS-061	19	5
OHTP-SS-062	36	6
OHTP-SS-063	38	5
OHTP-SS-064	<LOD	--
OHTP-SS-065	<LOD	--
OHTP-SS-066	25	6
OHTP-SS-067	21	6
OHTP-SS-068	18	6
OHTP-SS-069	<LOD	--
OHTP-SS-070	31	6
OHTP-SS-071	17	6
OHTP-SS-072	19	6
OHTP-SS-073	21	6
OHTP-SS-074	<LOD	--
OHTP-SS-075	34	6
OHTP-SS-076	16	5
OHTP-SS-077	<LOD	--
OHTP-SS-078	35	7
OHTP-SS-079	25	6
OHTP-SS-080	110	10

Sample Location	XRF Lead Soil Results (ppm) ¹	Lead +/- Error (ppm)
OHTP-SS-081	<LOD	--
OHTP-SS-082	<LOD	--
OHTP-SS-083	<LOD	--
OHTP-SS-084	76	8
OHTP-SS-085	24	6
OHTP-SS-086	20	6
OHTP-SS-087	23	6
OHTP-SS-088	32	6
OHTP-SS-089	22	5
OHTP-SS-090	28	7
OHTP-SS-091	19	5
OHTP-SS-092	18	5
OHTP-SS-093	26	6
OHTP-SS-094	<LOD	--
OHTP-SS-095	33	6
OHTP-SS-096	68	8
OHTP-SS-097	22	6
OHTP-SS-098	<LOD	--
OHTP-SS-099	24	5
OHTP-SS-100	20	6
OHTP-SS-101	<LOD	--

Sample Location	XRF Lead Soil Results (ppm) ¹	Lead +/- Error (ppm)
OHTP-SS-102	32	6
OHTP-SS-103	19	5
OHTP-SS-104	20	6
OHTP-SS-105	24	6
OHTP-SS-106	<LOD	--
OHTP-SS-107	20	6
OHTP-SS-108	25	6
OHTP-SS-109	<LOD	--
OHTP-SS-110	<LOD	--
OHTP-SS-110 WALNUT COVE	24	6
OHTP-SS-111	35	7
OHTP-SS-120 WALNUT COVE	33	7
OHTP-SS-120 PINE CONE LN	22	5
OHTP-SS-120b	<LOD	--
OHTP-SS-125	16	5
OHTP-SS-130	34	6
OHTP-SS-135	231	12
OHTP-SS-140	30	6
OHTP-SS-140b	<LOD	--
OHTP-SS-145	<LOD	--
OHTP-SS-BY 793	68	7

Sample Location	XRF Lead Soil Results (ppm) ¹	Lead +/- Error (ppm)
OHTP-SS-1014	67	8
OHTP-SS-1025	46	6
OHTP-SS-1028	45	7
OHTP-SS-1039	57	7
OHTP-SS-1042	21	6
OHTP-SS-1053	72	7
OHTP-SS-1056	<LOD	--
OHTP-SS-1067	27	6
OHTP-SS-1070	48	6
OHTP-SS-1081	41	6
OHTP-SS-1084	<LOD	--
OHTP-SS-1095	55	7
OHTP-SS-1098	28	6
OHTP-SS-1120	35	6
OHTP-SS-1190 TALL OAKS CR	17	5
OHTP-SS-1223	<LOD	--
OHTP-SS-1235	<LOD	--
OHTP-SS-1247	24	5
OHTP-SS-1259	39	6
OHTP-SS-1271	34	5
OHTP-SS-1283	24	6

Sample Location	XRF Lead Soil Results (ppm) ¹	Lead +/- Error (ppm)
OHTP-SS-1295	24	5
OHTP-SS-1315	<LOD	--
OHTP-SS-1331	25	5
OHTP-SS-1328	21	5
OHTP-SS-1328g	<LOD	--
OHTP-SS-1336	31	6
OHTP-SS-1343	22	6
OHTP-SS-1344	20	5
OHTP-SS-1352	20	6
OHTP-SS-1357	33	6
OHTP-SS-1360	26	6
OHTP-SS-1368	34	6
OHTP-SS-1371	43	7
OHTP-SS-1376	25	6
OHTP-SS-1384	44	6
OHTP-SS-1385	<LOD	--
OHTP-SS-1392	16	5
OHTP-SS-1415	30	6
OHTP-SS-1416	<LOD	--
OHTP-SS-1429	<LOD	--
OHTP-SS-1432	39	6

Sample Location	XRF Lead Soil Results (ppm) ¹	Lead +/- Error (ppm)
OHTP-SS-1443	25	6
OHTP-SS-1448	18	5
OHTP-SS-1457	33	6
OHTP-SS-1464	25	6
OHTP-SS-1471-paint	262	14
OHTP-SS-1471-front	68	8
OHTP-SS-1471-side	165	10
OHTP-SS-1480	<LOD	--
OHTP-SS-1496	40	7
OHTP-SS-1512	23	6
OHTP-SS-1526	44	6
OHTP-SS-1540	17	5
OHTP-SS-1545	46	6
OHTP-SS-1559	<LOD	--
OHTP-SS-1573	27	6
OHTP-SSP-112	<LOD	--
OHTP-SSP-113	<LOD	--
OHTP-SSP-114	<LOD	--
OHTP-SSP-115	<LOD	--
OHTP-SSP-116	78	10
OHTP-SSP-117	<LOD	--

Sample Location	XRF Lead Soil Results (ppm) ¹	Lead +/- Error (ppm)
OHTP-SSP-118	<LOD	--
OHTP-SSP-119	<LOD	--
OHTP-SSP-120	<LOD	--
OHTP-SSP-121	<LOD	--
OHTP-SSP-122	16	5
OHTP-SSP-123	17	5
OHTP-SSP-124	18	5
OHTP-SSP-125	<LOD	--
OHTP-SSP-126	<LOD	--
OHTP-SSP-127	<LOD	--
OHTP-SSP-128	<LOD	--
OHTP-SSP-129	<LOD	--
OHTP-SSP-130	21	5
OHTP-SSP-131	27	6
OHTP-SSP-132	16	5
OHTP-SSP-133	21	5
OHTP-SSP-134	<LOD	--
OHTP-SSP-135	20	4
OHTP-SSP-136	26	5
OHTP-SSP-137	18	5
OHTP-SSP-138	15	5

Sample Location	XRF Lead Soil Results (ppm) ¹	Lead +/- Error (ppm)
OHTP-SSP-139	25	5
OHTP-SSP-140	<LOD	--
OHTP-SSP-141	18	5
OHTP-SSP-142	<LOD	--
OHTP-SSP-143	<LOD	--
OHTP-SSP-144	<LOD	--
OHTP-SSP-145	22	6
OHTP-SSP-146	<LOD	--
OHTP-SSP-147	<LOD	--
OHTP-SSP-148	<LOD	--
OHTP-SSP-149	<LOD	--
OHTPP-SSP-150	<LOD	--
OHTP-SSP-151	15	5
OHTP-SSP-152	36	6
OHTP-SSP-153	<LOD	--
OHTP-SSP-154	<LOD	--
OHTP-SSP-155	<LOD	--
OHTP-SSP-156	32	6
OHTP-SSP-157	<LOD	--
OHTP-SSP-158	<LOD	--
OHTP-SSP-159	26	6

Sample Location	XRF Lead Soil Results (ppm) ¹	Lead +/- Error (ppm)
OHTP-SSP-160	<LOD	--
OHTP-SSP-161	17	5
OHTP-SSP-162	40	6
OHTP-SSP-163	47	6
OHTP-SSP-164	37	5
OHTP-SSP-165	24	5
OHTP-SSP-166	14	5
OHTP-SSP-167	<LOD	--
OHTP-SSP-168	14	4

Notes:

OHTP – Oak Haven Trailer Park

SS – Surface Soil

SSP – Surface Soil Perimeter

LOD – level of detection

¹ Results that are shaded are above the USEPA Removal Action Level for lead in residential soil (400 ppm).

TABLE 4
OAK HAVEN LEAD INVESTIGATION
XRF SAMPLE RESULTS
WITH CORRESPONDING CONFIRMATION LABORATORY RESULTS
SEPTEMBER 22-25, 2009

Sample Location	Sample Depth (fbgs)	XRF Lead Soil Results (ppm) ¹	Lead +/- Error (ppm)	Confirmation Laboratory Results (ppm) ¹
SB001	0.5	15	5	NA
SB002	1.0	16	4	NA
SB003	1.0	18	4	NA
SB004	0.5	31	4	NA
SB005	1.0	1339	23	3110
SB006	0.5	11	4	NA
SB007	2.0	17	4	NA
SB008	0.5	22	4	NA
SB009	0.5	26	4	NA
SB010	1.0	1433	27	2540
SB011	2.0	2509	39	2420
SB012	2.0	4481	58	6850
SB013	2.0	2588	39	4160
SB014	0.5	234	8	NA
SB015	0.5	76	5	NA
SB016	0.5	79	5	NA

Sample Location	Sample Depth (fbgs)	XRF Lead Soil Results (ppm) ¹	Lead +/- Error (ppm)	Confirmation Laboratory Results (ppm) ¹
SB017	0.5	163	17	NA
SB018	1.0	1254	23	1080
SB019	1.0	5458	76	23200
SB020	1.0	86	6	NA
SB021	1.0	1172	22	2430
SB022	0.5	961	19	NA
SB023	0.5	459	12	NA
SB024	0.5	54	5	NA
SB025	0.5	33	4	NA
SB026	0.5	169	7	NA
SB027	2.0	15	3	NA
SB028	1.0	25	4	NA
SB029	1.0	2573	39	1520
SB030	0.5	45	4	30.7
SB031	0.5	28	4	NA
SB032	0.5	1795	30	673
SB032 DUP	0.5	NA	NA	360
SB033	1.0	1040	20	863
SB034	2.0	372	10	NA
SB035	0.5	269	9	NA

Sample Location	Sample Depth (fbgs)	XRF Lead Soil Results (ppm) ¹	Lead +/- Error (ppm)	Confirmation Laboratory Results (ppm) ¹
SB036	2.0	10875	144	10500
SB037	1.0	154	7	NA
SB038	1.0	1765	31	3560
SB039	1.0	1553	25	2470
SB040	0.5	36	4	NA
SB041	1.0	18	3	NA
SB042	2.0	164	7	NA
SB043	1.0	1471	75	2580
SB044	2.0	16628	217	21300
SB045	1.0	295	9	NA
SB046	1.0	22	4	NA
SB047	1.0	35	5	NA
SB048	1.0	26	4	NA
SB049	0.5	65	4	NA
SB050	2.0	54	5	NA
SB051	1.0	29	4	NA
SB052	1.0	20	4	11.8
SB053	1.0	16	4	11.1
SB054	0.5	18	4	NA
SB055	0.5	33	4	NA

Sample Location	Sample Depth (fbgs)	XRF Lead Soil Results (ppm) ¹	Lead +/- Error (ppm)	Confirmation Laboratory Results (ppm) ¹
SB056	1.0	16	4	NA
SB057	2.0	33	4	NA
SB058	0.5	21	4	12.3
SB059	0.5	29	4	NA
SB060	2.0	39	4	NA
SB061	0.5	90	6	127
SB062	1.0	18	4	NA
SB063	1.0	18	4	6.6
SB064	1.0	19	4	15.8
SB065	1.0	16	4	11.6
SB066	2.0	61	4	92.9

FBGS – feet below ground surface

NA – not applicable – sample was not sent to the laboratory

¹ Results that are shaded are above the USEPA Removal Action Level for lead in residential soil (400 ppm).

APPENDIX C
PHOTOGRAPHIC LOG



Official Photograph No. 1

Site Name:	Oak Haven Lead Investigation	Date:	September 14, 2009
Location:	Salisbury, Rowan County, NC	TDD No:	TNA-05-003-0099
Photographer:	Jorge Sanchez , START		
Subject:	Preexisting excavation backfill over stormwater line		



Official Photograph No. 2

Site Name:	Oak Haven Lead Investigation	Date:	September 14, 2009
Location:	Salisbury, Rowan County, NC	TDD No:	TNA-05-003-0099
Photographer:	Jorge Sanchez , START		
Subject:	Lead battery casings (black pieces) on boulders within orange fencing		



Official Photograph No. 3

Site Name:	Oak Haven Lead Investigation	Date:	September 14, 2009
Location:	Salisbury, Rowan County, NC	TDD No:	TNA-05-003-0099
Photographer:	Jorge Sanchez , START		
Subject:	Stormwater line runs along edge of spoil piles		



Official Photograph No. 4

Site Name:	Oak Haven Lead Investigation	Date:	September 14, 2009
Location:	Salisbury, Rowan County, NC	TDD No:	TNA-05-003-0099
Photographer:	Jorge Sanchez , START		
Subject:	Stormwater line runs along edge of spoil piles toward road		



Official Photograph No. 5

Site Name: Oak Haven Lead Investigation
Location: Salisbury, Rowan County, NC
Photographer: Jorge Sanchez , START
Subject: Stormwater discharge into creek

Date: September 14, 2009
TDD No: TNA-05-003-0099



Official Photograph No. 6

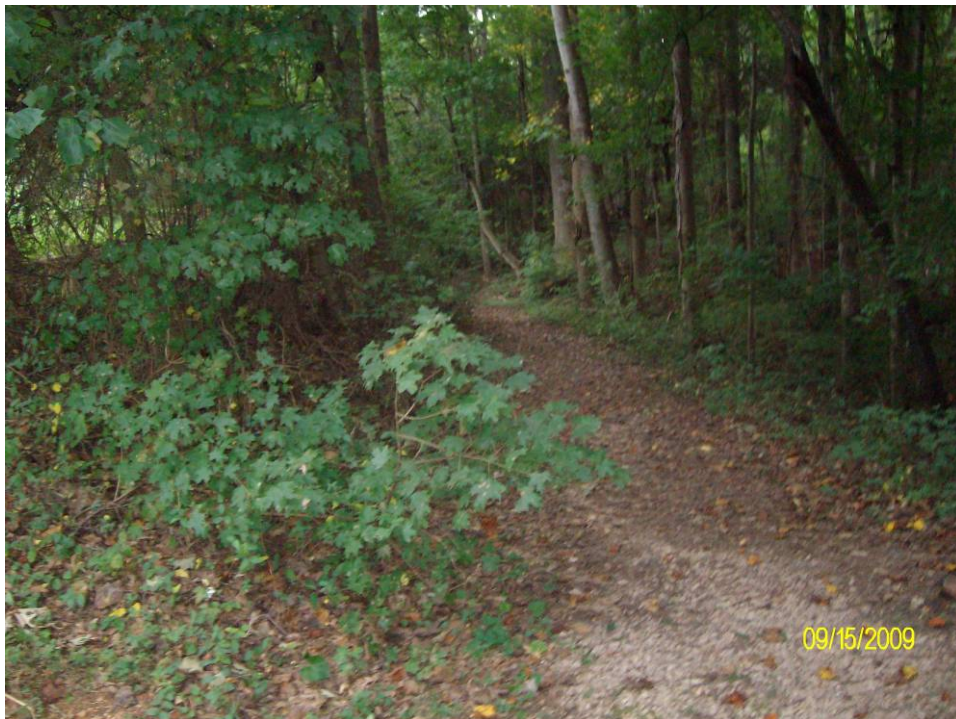
Site Name: Oak Haven Lead Investigation
Location: Salisbury, Rowan County, NC
Photographer: Jorge Sanchez , START
Subject: Perimeter of jobsite outside of excavation area to the east

Date: September 15, 2009
TDD No: TNA-05-003-0099



Official Photograph No. 7

Site Name:	Oak Haven Lead Investigation	Date:	September 15, 2009
Location:	Salisbury, Rowan County, NC	TDD No:	TNA-05-003-0099
Photographer:	Jorge Sanchez , START		
Subject:	Perimeter of jobsite outside of excavation area from the south		



Official Photograph No. 8

Site Name:	Oak Haven Lead Investigation	Date:	September 15, 2009
Location:	Salisbury, Rowan County, NC	TDD No:	TNA-05-003-0099
Photographer:	Jorge Sanchez , START		
Subject:	Perimeter of jobsite outside of excavation area to the west		



Official Photograph No. 9

Site Name:	Oak Haven Lead Investigation	Date:	September 15, 2009
Location:	Salisbury, Rowan County, NC	TDD No:	TNA-05-003-0099
Photographer:	Jorge Sanchez , START		
Subject:	Perimeter of jobsite outside of excavation area to the north		



Official Photograph No. 10

Site Name:	Oak Haven Lead Investigation	Date:	September 15, 2009
Location:	Salisbury, Rowan County, NC	TDD No:	TNA-05-003-0099
Photographer:	Jorge Sanchez , START		
Subject:	Field screening of soil samples using XRF		



Official Photograph No. 11

Site Name:	Oak Haven Lead Investigation	Date:	September 15, 2009
Location:	Salisbury, Rowan County, NC	TDD No:	TNA-05-003-0099
Photographer:	Jorge Sanchez , START		
Subject:	Soil sample location; collected using SS spoons or hand augers		



Official Photograph No. 12

Site Name:	Oak Haven Lead Investigation	Date:	September 15, 2009
Location:	Salisbury, Rowan County, NC	TDD No:	TNA-05-003-0099
Photographer:	Jorge Sanchez , START		
Subject:	Field surveying of soil sample location using GPS unit by Trimble		



Official Photograph No. 13

Site Name:	Oak Haven Lead Investigation	Date:	September 15, 2009
Location:	Salisbury, Rowan County, NC	TDD No:	TNA-05-003-0099
Photographer:	Jorge Sanchez , START		
Subject:	Pump house in perimeter of jobsite outside of excavation area to the west		

APPENDIX D
FIELD LOGBOOK NOTES

09/14/09

08:00 Arrived at the OTIE office
 Marietta, Georgia began to
 pack equipment and materials
 for the Oak Heaven, Salisbury,
 North Carolina Emergency Response.
 - Begard HASB for the site
 specific event. Signed & printed
 10:00 left the OTIE office via
 Pine Environmental located off
 Indian Trail 85 North, Gwinnett
 County. They will have an XRF
 for me to take to the site.

11:30 Arrived at the Pine Environmental
 office & pick up the XRF. Heated
 out via Salisbury, North Carolina.

16:15 Arrived at the site area
 Airport Road & met with Jeff
 Crowley OSC - EPA - ERM manager,
 met the owner of the trailer park
 Pat Davidson. Conducted site
 walk and discussed work to be
 performed tomorrow. Had to delineate
 the excavation and creek for lead.
 17:00 Left site area via hotel.

Scale: 1 square =

09/15/09

07:30 met at the hotel lobby
 with Rufino Salgado to brief
 about the site XRF activities.
 weather: High Humidity 82%
 Temperature: 84°F
 Clear to partially cloudy.

08:00 Arrived at the Oak Heaven Trailer
 Park - Lead Battery site. Meeting
 with EPA - NCDEP - Excavation ^{State Monitor} Contractor.
 - Will begin taking background samples and
 then concentrate toward the excavation
 boundaries and storm rain boundaries.
 - The storm rain death ends before a
 small creek. The fill up excavation
 also has a storm line for drainage.
 - The water run off runs about a couple
 hundred of feet. The south end on an
 steep slope gradient, the drain storm
 rain drainage slopes down toward the
 North - North East portion crossing
 two drive in roads into the trailer
 park. Need to calibrate Instrument for readings.
 08:30 - Conducted Safety Meeting and collected the
 signatures from Rufino Salgado & Jeff Crowley.

Scale: 1 square =

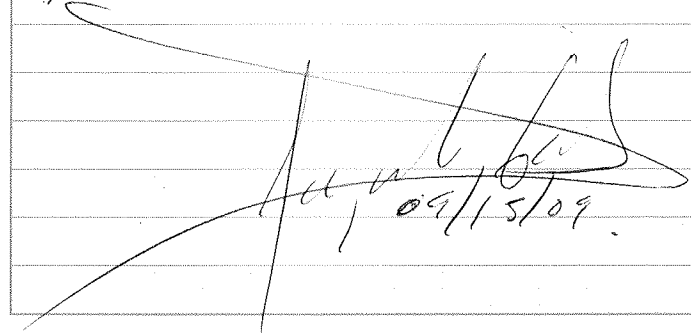
09/15/09 continue.

- Mr. Stephen Wade Kirby for AC DENR and Jessy. McDaniel ^{NE} @ DHWS: gov. See business card for e-mails.
- Rowan County Health Dept - A. Lynn Albridge.
- 08:45 - XRF Standardization = completed
- Cert. fuel Concentrations for selected element Lead (Pb) = Cert. fuel value is 132.8 ± 1.1 .
- Acquired reading from standard number NIST 2702 = 125 ± 11 .
- Test was valued for Pb.
- 09:00 Commence XRF readings of affected area with the trimble.
- Refers is holding the trimble and inputting the XRF data that I am dictating to him. Commence at the South-South West portion of the site and on the east side of the excavation covering the slope going up to the trailers and road. Only one reading exceeded the RL = 1,030 near the excavation on the east side.
- 11:50 - Pausing/break for lunch.

Scale: 1 square =

09/15/09 cont.

- Turned all Instruments off before taking off for lunch.
- 12:50 Arrived back to the Oak Haven Trailer park. Commence XRF standardization
- Successful Standardization Resolution = 22%. Proceeded to read standard #2702 True Value = 132.8 ± 1.1 . Cert. fuel standard Instrument reading = 139 ± 12 .
- Conducted another reading for standard #2702 away from the truck's metal surface. New reading 136 ± 11 .
- 18:00 Completed site XRF readings for the areas adjacent to the drain off and excavations.
- To morrow we will take readings from all the trailers at the park.



 09/15/09.

Scale: 1 square =

09/16/09

07:30 Arrived at the site area
Oak Heaven Trailer Park.

Weather: High Humidity: 80%

Temperature = 85°F

Cloudy.

- Commenced calibration of XRF
- after safety meeting.
- Safety meeting included:
 - watch for lightning.
 - watch for Traffic
 - watch for Insects/Smokes.
 - beware of how to bend over and pick up materials.
 - Use proper bending techniques.
- XRF Standardization successful.

Resolution = 226

- Standard 2702 = 132.8 ± 1.1

- Instrument Reading = 124 ± 11

- Standardization: PASS

A0 = 0.036020

A1 = 0.019846

Resolution = 226

Count = 3320

08:00 Began Taking Trailer Readings

Scale: 1 square = _____

- Commenced at Tall Oaks. Under
12:00 Standardization of XRF
Resolution = 236

12:25 Standard Reading 2702 = 132.8 ± 1.1

Readings from XRF = 121 ± 11.

12:50 Left for Lunch.

13:50 Returned back from Lunch

- Proceeded to calibrate the XRF.

- Standardization of XRF Resolution = 228

- Standard True Value for 2702 = 132.8 ± 1.1

- Actual Instrument Reading = 126 ± 11

- Commenced Taking Perimeter/Center Readings

- Light rain at times; Partially Cloudy.

17:10 Completed Perimeter sample collection
and readings including the middle ground.

- Followed Jeff C. to the dirt road

leading to the pump house & took
at least 7 readings including one reading
(the last reading) from the adjacent ditch.

17:50 Left the site area via hotel.

Jeff C.
09/16/09

Scale: 1 square = _____

09/17/09

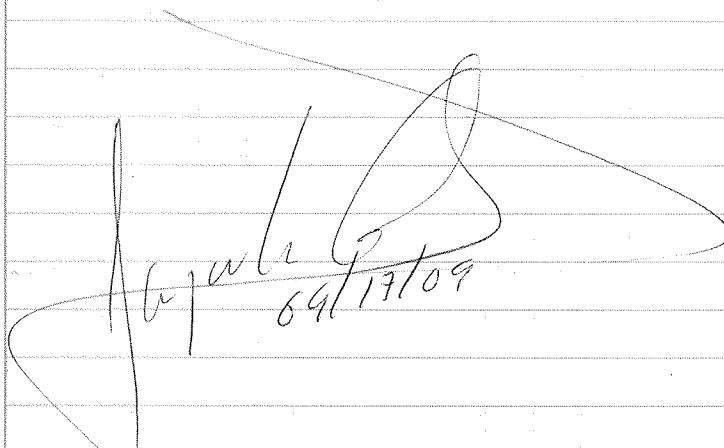
09:30 Left hotel via DVA Va, Ga
 - Encountered several thousands
 in the way to the north, Ga office.
 15:30 Arrived at the TWA office.

[Handwritten signature]
 09/17/09

Scale: 1 square =

09/17/09

09:30 Left hotel via DVA Va, Ga
 - Encountered several thousands
 in the way to the north, Ga office.
 15:30 Arrived at the DVA office.



Scale: 1 square=

9/22/09

14:00 ARRIVED ON SITE (RUFFIN-OTIE JEFF-ETA ON SITE)
 AFTER LEAVING ATLANTA AT 07:30; XRF CAUSED
 DELAY DUE TO FLOODING IN THE AREA
 14:45 CALIBRATES XRF (RES. = 0.23) STANDARDIZATION
 NO CALIBRATION SOILS SUPPLIED WITH UNIT
 14:50 PLACES FLAG TO MARK SAMPLE LOCATIONS
 15:00 BEGAN SAMPLING USING HAND RUBBER

TIME	ID	DEPTH	RESULTS
15:10	SB001	6" = 15 ± 4 (Pb conc.)	ppm FIELD SCREENING
		1.0" = 14 ± 4	
		2.0" = ND < 20	

SOIL DESC = SANDY CLAY, FINE MED GRAIN, RED BROWN

15:40	SB002	6" = 12 ± 4	ppm Pb
		1.0" = 16 ± 4	
		2.0" = 15 ± 4 (HIT REFUSAL @ 1.5")	

SOIL DESC = CLAY, TR. SAND, FINE MED GRAIN, RED BROWN

16:00	SB003	6" = 11 ± 4	ppm Pb
		1.0" = 18 ± 4	
		2.0" = 16 ± 4	

SOIL DESC = CLAY, TR. SAND, FINE MED GRAIN, RED BROWN

18:00 DEPARTED JOB SITE AFTER SITE WALK W/ CLIENT

Marked 9/22/09

Scale: 1 square=

10
 0700 ARRIVED ON SITE w/ JEFF, JERRY, MATT
 0705 STANDARD TEST (RES=223)
 0715 BEGAN SAMPLING USING HAND AUGER
 TIME IS DEPTA RESULTS (PB CONC. RM)
 0716 SB004: 6" = 31.0 ± 4
 1.0' = 18.0 ± 4
 2.0' = NB < 19
 SOIL DESC = CLAY TRACE SAND, FINE MED, RED BROWN
 0740 SB005: 6" = 138 ± 24
 1.0' = 139 ± 23 (BATT. FRAG)
 * COLLECTED LAB SAMPLE 2.0' = 116 ± 7 " "
 SOIL DESC = BATT. CRACK @ 1.0' CLAY TR. SAND, MED FINE, RED BROWN
 0800 SB006: 6" = 11 ± 4
 1.0' = NB < 19
 2.0' = REFUSAL @ 1.0'
 SOIL DESC = SANDY CLAY MED FINE GRAIN, RED BROWN
 0815 SB007: 6" = 14 ± 3
 1.0' = 16 ± 2
 2.0' = 17 ± 4
 SOIL DESC = SANDY CLAY, FINE MED, RED BROWN
 0830 SB008: 6" = 22 ± 4
 1.0' = NB < 18 (19 ± 4)
 2.0' = 15 ± 4
 SOIL DESC = SANDY CLAY, FINE MED, RED BROWN

Scale: 1 square =

11
 0845 SB009: 6" = 26 ± 4
 1.0' = 11 ± 4
 2.0' = 12 ± 4
 SOIL DESC = SANDY CLAY, MED FINE, RED BROWN
 0900 SB010: 6" = 13 ± 6 704 ± 17 BATT. CR
 1.0' = 1433 ± 27 "
 2.0' = 52 ± 5 16
 SOIL DESC = SANDY CLAY, MED FINE, RED BROWN
 COLLECTED LAB SAMPLE @ 926
 0930 SB011: 6" = 39 ± 1
 1.0' = 2019 ± 35 BATT. CR
 2.0' = 5509 ± 39 "
 SOIL DESC = SANDY CLAY, FINE MED, RED
 COLLECTED LAB SAMPLE @ 950
 1000 SB012: 6" = 109 ± 5
 1.0' = 67 ± 5
 REFUSAL @ 1.75' (2.0') 4481 ± 58 BATT. CR
 SOIL DESC = SANDY SILT TR. CLAY, FINE MED, BROWN
 COLLECTED LAB SAMPLE @ 1010
 1015 SB013: 6" = 103 ± 5
 1.0' = 771 ± 17
 REFUSAL @ 1.5' (2.0') = 2588 ± 39
 SOIL DESC = SANDY SILT, TR. CLAY, FINE MED BROWN
 COLLECTED LAB SAMPLE @ 1056

Scale: 1 square =

1030 SB014: 6" = 234 ± 8

1.0' = 37 ± 5

2.0' = 24 ± 4

SOIL DESC. = SANDY SILT, TR. CLAY, FINE MED., BROWN

1045 SB015: 6" = 76 ± 5

1.0' = 29 ± 4

2.0' = 18 ± 4

SOIL DESC. = SANDY SILT, TR. CLAY, FINE MED., BROWN

1100 SB016: 6" = 79 ± 5

1.0' = 31 ± 4

2.0' = 14 ± 4

SOIL DESC. = CLAYEY SILT, TR. SAND, FINE MED., RED-BROWN

1120 SB017: 6" = 163 ± 7

1.0' = 86 ± 6

2.0' = 14 ± 4

SOIL DESC. = CLAYEY SILT, TR. SAND, FINE MED., RED-BROWN

1135 SB018: 6" = 303 ± 9

BATT. CAS.

1.0' = 124 ± 23

2.0' = 31 ± 4

SOIL DESC. = CLAYEY SILT, TR. SAND, FINE MED., RED-BROWN

COLLECTED LAB SAMPLE @ 1150

1155 SB019: 6" = 467 ± 12

BATT. CAS.

1.0' = 545 ± 76

2.0' = 99 ± 6

SOIL DESC. = CLAYEY SILT, TR. SAND, FINE MED., RED-BROWN

Scale: 1 square =

COLLECTED LAB SAMPLE @ 12:10

1215 BROKE FOR LUNCH

1340 SB020: 6" = 52 ± 4

1.0' = 86 ± 6

2.0' = 35 ± 4

SOIL DESC. = SANDY SILT, TR. CLAY, FINE MED., BROWN

1400 SB021: 6" = 62 ± 5

1.0' = 117 ± 22

2.0' = 14 ± 4

1410 SB022: 6" = 96 ± 19

1.0' = 314 ± 10

2.0' = 67 ± 5

SOIL DESC. = CLAYEY SILT, TR. SAND, FINE MED., RED-BROWN

1450 SB023: 6" = 459 ± 12

1.0' = 49 ± 5

2.0' = 21 ± 4

SOIL DESC. = CLAYEY SILT, TR. SAND, FINE MED., RED-BROWN

1520 SB024: 6" = 54 ± 5

1.0' = ND < 20

2.0' = 18 ± 4

SOIL DESC. = CLAY, TR. SAND, MED FINE, RED-BROWN

1535 SB025: 6" = 33 ± 4

1.0' = 12 ± 4

2.0' = ND < 20

SOIL DESC. = CLAY, TR. SAND, MED FINE, RED-BROWN

Scale: 1 square =

1600 SBO26: 6" = 169 ± 7
 1.0' = 25 ± 4
 2.0' = 18 ± 4

SOIL DESC. = SILTY CLAY, TR. SAND, RED. BROWN

1610 SBO27: 6" = ND < 19
 1.0' = ND < 12
 2.0' = 15 ± 3

SOIL DESC. = SANDY SILT, TR. CLAY, FINE-MED, LT. BROWN

1620 SBO28: 6" = ND < 19
 1.0' = 25 ± 4
 2.0' = 12 ± 3

SOIL DESC. = SANDY SILT, TR. CLAY, FINE-MED, LT. BROWN

1635 SBO29: 6" = 65 ± 5
 1.0' = 25 ± 3 ± 39
 2.0' = 93 ± 6

SOIL DESC. = CLAYEY SILT, TR. SAND, FINE-MED, RED. BROWN
 COLLECTED LAB SAMPLE @ 1645

1650 SBO30: 6" = 45 ± 4
 1.0' = 31 ± 4
 2.0' = 30 ± 4

SOIL DESC. = SANDY SILT, TR. CLAY, FINE-MED, RED. BROWN
 COLLECTED LAB SAMPLE @ 1700

Scale: 1 square =

1705 SBO31: 6" = 28 ± 4
 1.0' = ND < 19
 2.0' = 18 ± 3

SOIL DESC. = CLAYEY SILT, TR. SAND, RED. BROWN

1720 SBO32: 6" = 1745 ± 30
 1.0' = 821 ± 17
 2.0' = 65 ± 5

SOIL DESC. = CLAYEY SILT, TR. SAND, RED. BROWN
 COLLECTED SLAB SAMPLE @ 1730 (DUP.)

1740 SBO33: 6" = 20 ± 4
 1.0' = 1040 ± 20
 2.0' = 180 ± 7

SOIL DESC. = CLAYEY SILT, TR. SAND, RED. BROWN
 COLLECTED SAMPLE LAB @ 1755

1800 SBO34: 6" = 22 ± 4
 1.0' = 14 ± 3
 2.0' = 312 ± 10

SOIL DESC. = SANDY SILT, TR. CLAY, MED FINE, LT. BROWN

1815 SBO35: 6" = 269 ± 9
 1.0' = ND < 16
 2.0' = ND < 13

SOIL DESC. = SANDY SILT, TR. CLAY, MED FINE, LT. BROWN
 1830 ALL OFFSITE

Scale: 1 square =

PCWY 141.85 LO: 68

09/24/09

0700 JERRY & MATT - ONE OVER W/ JEFF

0720 SB036: 6" = 17 ± 3

COLLECTED LAB

BATT. CAS. 1.0' = 123 ± 7

SAMPLE @ 0740

2.0' = 10875 ± 144

SOIL DESC. = CLAYEY SOIL, TR. SAND, FINE MED, RED BROWN

0745 SB037: 6" = 137 ± 6 1.0' = 1134 ± 7 2.0' = 72 ± 5

SOIL DESC. = CLAYEY SOIL, TR. SAND, FINE MED, RED BROWN

0755 SB038: 6" = 107 ± 6 / 112 ± 6 BATT. CAS. 1.0' = 1765 ± 31 2.0' = 140 ± 7

SOIL DESC. = CLAYEY SOIL, TR. SAND, FINE MED, RED BROWN

COLLECTED LAB SAMPLE @ 0825

0830 SB039: 6" = 20 ± 4 BATT. CAS. 1.0' = 1553 ± 25 2.0' = 73 ± 6

SOIL DESC. = CLAYEY SOIL, TR. SAND, FINE MED, RED BROWN

COLLECTED LAB SAMPLE @ 0840

0845 SB040: 6" = 36 ± 4 1.0' = 17 ± 3 2.0' = 10 ± 3

SOIL DESC. = SANDY SOIL, TR. CLAY, FINE MED, LT. BRN

Scale: 1 square =

0900 SB041: 6" = 17 ± 4 1.0' = 18 ± 3 2.0' = 11 ± 3

SOIL DESC. = CLAYEY SOIL, TR. SAND, FINE MED, RED BROWN

0915 SB042: 6" = 21 ± 4 1.0' = 46 ± 4 2.0' = 164 ± 7

SOIL DESC. = CLAYEY SOIL, TR. SAND, FINE MED, RED BROWN

0930 SB043: 6" = 247 ± 8 1.0' = 1471 ± 85 2.0' = 88 ± 6

SOIL DESC. = SANDY SOIL, TR. CLAY, FINE MED, RED BROWN

COLLECTED LAB SAMPLE @ 0945

0950 SB044: 6" = 884 ± 9 BATT. CAS. 1.0' = 443 ± 12 " 2.0' = 16628 ± 217

SOIL DESC. = CLAYEY SOIL, TR. SAND, RED BROWN

LAB SAMPLE DESC. COLLECTED @ 1000

1010 SB045: 6" = 213 ± 8 1.0' = 295 ± 9 2.0' = 107 ± 6

SOIL DESC. = CLAYEY SOIL, TR. SAND, RED BROWN

REFUSAL @ 1.5'

Scale: 1 square =

1025 SB046: 6" = 19 ± 4
 1.0' = 22 ± 4
 2.0' = 19 ± 4

SOIL DESC. = SANDY SILT, TR. CLAY, MED FINE, RED-BRN

1040 SB047: 6" = 14 ± 4
 1.0' = 35 ± 5
 2.0' = ND ± 15

SOIL DESC. = CLAYEY SILT, TR. SAND, MED FINE, RED-BRN

1055 SB048: 6" = 19 ± 4
 1.0' = 26 ± 4
 2.0' = 18 ± 4

SOIL DESC. = CLAYEY SILT, TR. SAND, MED FINE, RED-BRN

1115 SB049: 6" = 15 ± 4
 1.0' = 15 ± 4
 2.0' = ND < 19

SOIL DESC. = CLAYEY SILT, TR. SAND, MED FINE, RED-BRN

1130 SB050: 6" = 30 ± 4
 1.0' = 28 ± 4
 2.0' = 54 ± 5

SOIL DESC. = CLAYEY SILT, TR. SAND, MED FINE, RED-BRN

1145 SB051: 6" = 17 ± 4
 1.0' = 29 ± 4
 2.0' = 16 ± 4

SOIL DESC. = CLAYEY SILT, TR. SAND, MED FINE, RED-BRN

Scale: 1 square =

1200 SB052: 6" = 10 ± 3
 1.0' = 20 ± 4
 2.0' = ND ± 9

SOIL DESC. = CLAYEY SILT, TR. SAND, RED-BRN

COLLECTED LAB SAMPLE @ 1215

1220 SB053: 6" = 16 ± 4
 1.0' = 15 ± 4
 2.0' = 11 ± 4

SOIL DESC. = CLAYEY SILT, TR. SAND, RED-BRN

COLLECTED LAB SAMPLE @ 1230

1235 SB054: 6" = 18 ± 4
 1.0' = ND < 20
 2.0' = 14 ± 4

SOIL DESC. = CLAYEY SILT, TR. SAND, RED-BRN

1245 SB055: 6" = 33 ± 4
 1.0' = 27 ± 4
 2.0' = 30 ± 4

SOIL DESC. = CLAYEY SILT, TR. SAND, RED-BRN

1345 SB056: 6" = 13 ± 4
 1.0' = 10 ± 4
 2.0' = 14 ± 4

SOIL DESC. = CLAYEY SILT, TR. SAND, RED-BRN

Scale: 1 square =

1408 SB057: 6" = 16 ± 4

1.0' = 20 ± 4

2.0' = 33 ± 4

SOIL DESC. = CLAYEY SILT, TR. SAND, RED BRN

1415 SB058: 6" = 21 ± 4

1.0' = 16 ± 4

2.0' = 14 ± 4

SOIL DESC. = CLAYEY SILT, TR. SAND, RED BRN
LAB SAMPLE COLLECTED @ 1430 (MS/MSB)

1435 SB059: 6" = 29 ± 4

1.0' = 28 ± 4

2.0' = 20 ± 4

SOIL DESC. = CLAYEY SILT, TR. SAND, RED BRN

1445 = SB060: 6" = 22 ± 4

1.0' = 20 ± 4

2.0' = 39 ± 4

SOIL DESC. = SILTY SAND, TR. CLAY, FINE MED, BROWN

1500 SB061: 6" = 40 ± 6

1.0' = 61 ± 5

2.0' = 11 ± 3

SOIL DESC. = SANDY SILT, TR. CLAY, FINE MED, BROWN

1520 SB062: 6" = 11 ± 3

1.0' = 18 ± 4

2.0' = ND < 18

SOIL DESC. = CLAYEY SILT, TR. SAND, FINE MED, BROWN
Scale: 1 square =

1545 SB063: 6" = 17 ± 4

1.0' = 18 ± 4

2.0' = 17 ± 4

SOIL DESC. = CLAYEY SILT, TR. SAND, FINE MED, RED BRN

1605 SB064: 6" = 15 ± 3

1.0' = 19 ± 4

2.0' = 11 ± 3

SOIL DESC. = CLAYEY SILT, TR. SAND, FINE MED, RED BRN
COLLECTED SAMPLE @ 1630

1655 SB065: 6" = 13 ± 4

1.0' = 110 ± 3

2.0' = 15 ± 4

COLLECTED
LAB SAMPLE @ 1645

SOIL DESC. = CLAYEY SILT, TR. SAND, RED BRN

1650 SB066: 6" = 31 ± 4

1.0' = 36 ± 4

2.0' = 61 ± 4

SOIL DESC. = MIX OF SAND & SILTY CLAY, ROCK (GRAVEL), BROWN
COLLECTED LAB SAMPLE @ 1700

1730 ALL OFFSITE TO DEMONSTRATE TO HILL

Scale: 1 square =

0800 PM RETURNED TO OFFICE (ATC)
TO PACKAGE SOIL SAMPLES AND
DELIVER TO FEDEX FOR SHIPMENT TO LAB

Scale: 1 square=_____

Scale: 1 square=_____

APPENDIX E
ANALYTICAL RESULTS



Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SB032 DUP	Date Sampled:	09/23/09
Lab Sample ID:	F68338-1	Date Received:	09/26/09
Matrix:	SO - Soil	Percent Solids:	86.7
Project:	Oak Haven, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	360	21	0.96	mg/kg	4	10/05/09	10/06/09 RS	SW846 6010B ¹	SW846 3050B ²

(1) Instrument QC Batch: MA7571
(2) Prep QC Batch: MP17134

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SB033	Date Sampled:	09/23/09
Lab Sample ID:	F68338-2	Date Received:	09/26/09
Matrix:	SO - Soil	Percent Solids:	82.8
Project:	Oak Haven, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	863	29	1.3	mg/kg	5	10/05/09	10/06/09 RS	SW846 6010B ¹	SW846 3050B ²

(1) Instrument QC Batch: MA7571
(2) Prep QC Batch: MP17134

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SB036	Date Sampled:	09/24/09
Lab Sample ID:	F68338-3	Date Received:	09/26/09
Matrix:	SO - Soil	Percent Solids:	80.8
Project:	Oak Haven, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	10500	480	21	mg/kg	100	10/05/09	10/06/09 RS	SW846 6010B ¹	SW846 3050B ²

(1) Instrument QC Batch: MA7571
(2) Prep QC Batch: MP17134

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Report of Analysis

Page 1 of 1

Client Sample ID:	SB038	
Lab Sample ID:	F68338-4	Date Sampled: 09/24/09
Matrix:	SO - Soil	Date Received: 09/26/09
		Percent Solids: 66.7
Project:	Oak Haven, FL	

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analized By	Method	Prep Method
Lead	3560	140	6.1	mg/kg	20	10/05/09	10/06/09 RS	SW846 6010B ¹	SW846 3050B ²

(1) Instrument QC Batch: MA7571

(2) Prep QC Batch: MP17134

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result $< MDL$
I = Indicates a result $\geq MDL$ but $< RL$

Report of Analysis

Client Sample ID:	SB039	Date Sampled:	09/24/09
Lab Sample ID:	F68338-5	Date Received:	09/26/09
Matrix:	SO - Soil	Percent Solids:	83.4
Project:	Oak Haven, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2470	110	4.8	mg/kg	20	10/05/09	10/06/09 RS	SW846 6010B ¹	SW846 3050B ²

(1) Instrument QC Batch: MA7571
(2) Prep QC Batch: MP17134

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SB043									
Lab Sample ID:	F68338-6							Date Sampled:	09/24/09	
Matrix:	SO - Soil							Date Received:	09/26/09	
								Percent Solids:	85.4	
Project:	Oak Haven, FL									

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2580	98	4.4	mg/kg	20	10/05/09	10/06/09 RS	SW846 6010B ¹	SW846 3050B ²

(1) Instrument QC Batch: MA7571
(2) Prep QC Batch: MP17134

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SB044	Date Sampled:	09/24/09
Lab Sample ID:	F68338-7	Date Received:	09/26/09
Matrix:	SO - Soil	Percent Solids:	78.3
Project:	Oak Haven, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	21300	1200	53	mg/kg	200	10/05/09	10/06/09 RS	SW846 6010B ¹	SW846 3050B ²

(1) Instrument QC Batch: MA7571
(2) Prep QC Batch: MP17134

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SB052	Date Sampled:	09/24/09
Lab Sample ID:	F68338-8	Date Received:	09/26/09
Matrix:	SO - Soil	Percent Solids:	78.9
Project:	Oak Haven, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	11.8	11	0.51	mg/kg	2	10/06/09	10/08/09 RS	SW846 6010B ¹	SW846 3050B ²

- (1) Instrument QC Batch: MA7579
(2) Prep QC Batch: MP17137
- (a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SB053	Date Sampled:	09/24/09
Lab Sample ID:	F68338-9	Date Received:	09/26/09
Matrix:	SO - Soil	Percent Solids:	79.3
Project:	Oak Haven, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	11.1 I	22	0.99	mg/kg	4	10/06/09	10/08/09 RS	SW846 6010B ¹	SW846 3050B ²

- (1) Instrument QC Batch: MA7579
(2) Prep QC Batch: MP17137
- (a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SB058	Date Sampled:	09/24/09
Lab Sample ID:	F68338-10	Date Received:	09/26/09
Matrix:	SO - Soil	Percent Solids:	82.4
Project:	Oak Haven, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	12.3	10	0.47	mg/kg	2	10/06/09	10/08/09 RS	SW846 6010B ¹	SW846 3050B ²

- (1) Instrument QC Batch: MA7579
(2) Prep QC Batch: MP17137
- (a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SB005	Date Sampled:	09/23/09
Lab Sample ID:	F68338-11	Date Received:	09/26/09
Matrix:	SO - Soil	Percent Solids:	78.4
Project:	Oak Haven, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	3110	120	5.4	mg/kg	20	10/06/09	10/08/09 RS	SW846 6010B ¹	SW846 3050B ²

(1) Instrument QC Batch: MA7579
(2) Prep QC Batch: MP17137

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SB010	Date Sampled:	09/23/09
Lab Sample ID:	F68338-12	Date Received:	09/26/09
Matrix:	SO - Soil	Percent Solids:	78.4
Project:	Oak Haven, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2540	64	2.9	mg/kg	10	10/06/09	10/07/09 RS	SW846 6010B ¹	SW846 3050B ²

(1) Instrument QC Batch: MA7576
(2) Prep QC Batch: MP17137

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SB011	Date Sampled:	09/23/09
Lab Sample ID:	F68338-13	Date Received:	09/26/09
Matrix:	SO - Soil	Percent Solids:	75.3
Project:	Oak Haven, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2420	130	5.7	mg/kg	20	10/06/09	10/08/09 RS	SW846 6010B ¹	SW846 3050B ²

(1) Instrument QC Batch: MA7579
(2) Prep QC Batch: MP17137

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SB012	Date Sampled:	09/23/09
Lab Sample ID:	F68338-14	Date Received:	09/26/09
Matrix:	SO - Soil	Percent Solids:	84.8
Project:	Oak Haven, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	6850	260	12	mg/kg	50	10/06/09	10/08/09 RS	SW846 6010B ¹	SW846 3050B ²

(1) Instrument QC Batch: MA7579
(2) Prep QC Batch: MP17137

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SB013	Date Sampled:	09/23/09
Lab Sample ID:	F68338-15	Date Received:	09/26/09
Matrix:	SO - Soil	Percent Solids:	82.3
Project:	Oak Haven, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	4160	240	11	mg/kg	40	10/06/09	10/08/09 RS	SW846 6010B ¹	SW846 3050B ²

(1) Instrument QC Batch: MA7579
(2) Prep QC Batch: MP17137

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SB018	Date Sampled:	09/23/09
Lab Sample ID:	F68338-16	Date Received:	09/26/09
Matrix:	SO - Soil	Percent Solids:	92.6
Project:	Oak Haven, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	1080	52	2.3	mg/kg	10	10/06/09	10/07/09 RS	SW846 6010B ¹	SW846 3050B ²

(1) Instrument QC Batch: MA7576
(2) Prep QC Batch: MP17137

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SB019	Date Sampled:	09/23/09
Lab Sample ID:	F68338-17	Date Received:	09/26/09
Matrix:	SO - Soil	Percent Solids:	70.9
Project:	Oak Haven, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	23200	1400	62	mg/kg	200	10/06/09	10/08/09 RS	SW846 6010B ¹	SW846 3050B ²

(1) Instrument QC Batch: MA7579
(2) Prep QC Batch: MP17137

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SB029		
Lab Sample ID:	F68338-18	Date Sampled:	09/23/09
Matrix:	SO - Soil	Date Received:	09/26/09
		Percent Solids:	83.7
Project:	Oak Haven, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	1520	54	2.4	mg/kg	10	10/06/09	10/07/09 RS	SW846 6010B ¹	SW846 3050B ²

(1) Instrument QC Batch: MA7576
(2) Prep QC Batch: MP17137

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SB030	Date Sampled:	09/23/09
Lab Sample ID:	F68338-19	Date Received:	09/26/09
Matrix:	SO - Soil	Percent Solids:	82.1
Project:	Oak Haven, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	30.7	12	0.54	mg/kg	2	10/06/09	10/08/09 RS	SW846 6010B ¹	SW846 3050B ²

- (1) Instrument QC Batch: MA7579
(2) Prep QC Batch: MP17137
- (a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SB032		
Lab Sample ID:	F68338-20	Date Sampled:	09/23/09
Matrix:	SO - Soil	Date Received:	09/26/09
		Percent Solids:	80.4
Project:	Oak Haven, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	673	50	2.3	mg/kg	10	10/06/09	10/07/09 RS	SW846 6010B ¹	SW846 3050B ²

(1) Instrument QC Batch: MA7576
(2) Prep QC Batch: MP17137

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SB064	Date Sampled:	09/24/09
Lab Sample ID:	F68338-21	Date Received:	09/26/09
Matrix:	SO - Soil	Percent Solids:	82.0
Project:	Oak Haven, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	15.8	11	0.50	mg/kg	2	10/06/09	10/08/09 RS	SW846 6010B ¹	SW846 3050B ²

- (1) Instrument QC Batch: MA7579
(2) Prep QC Batch: MP17137
- (a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SB065	Date Sampled:	09/24/09
Lab Sample ID:	F68338-22	Date Received:	09/26/09
Matrix:	SO - Soil	Percent Solids:	76.6
Project:	Oak Haven, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	11.6 I	13	0.57	mg/kg	2	10/06/09	10/08/09 RS	SW846 6010B ¹	SW846 3050B ²

- (1) Instrument QC Batch: MA7579
(2) Prep QC Batch: MP17137
- (a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SB066	Date Sampled:	09/24/09
Lab Sample ID:	F68338-23	Date Received:	09/26/09
Matrix:	SO - Soil	Percent Solids:	69.2
Project:	Oak Haven, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	92.9	65	2.9	mg/kg	10	10/06/09	10/07/09 RS	SW846 6010B ¹	SW846 3050B ²

(1) Instrument QC Batch: MA7576
(2) Prep QC Batch: MP17138

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SB063	Date Sampled:	09/24/09
Lab Sample ID:	F68338-24	Date Received:	09/26/09
Matrix:	SO - Soil	Percent Solids:	80.1
Project:	Oak Haven, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	6.6 I	23	1.0	mg/kg	4	10/06/09	10/08/09 RS	SW846 6010B ¹	SW846 3050B ²

(1) Instrument QC Batch: MA7579

(2) Prep QC Batch: MP17138

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Report of Analysis

3.25
3

Client Sample ID:	SB021	Date Sampled:	09/23/09
Lab Sample ID:	F68338-25	Date Received:	09/26/09
Matrix:	SO - Soil	Percent Solids:	83.6
Project:	Oak Haven, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2430	110	4.9	mg/kg	20	10/06/09	10/08/09 RS	SW846 6010B ¹	SW846 3050B ²

(1) Instrument QC Batch: MA7579
(2) Prep QC Batch: MP17138

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SB061	Date Sampled:	09/24/09
Lab Sample ID:	F68338-26	Date Received:	09/26/09
Matrix:	SO - Soil	Percent Solids:	76.6
Project:	Oak Haven, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	127	61	2.7	mg/kg	10	10/06/09	10/07/09 RS	SW846 6010B ¹	SW846 3050B ²

(1) Instrument QC Batch: MA7576
(2) Prep QC Batch: MP17138

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

4.1

3.6

4.1

3.6

F68338

4.1
4

		CHAIN-OF-CUSTODY RECORD										COC NUMBER:					
PROJECT NAME:		PROJECT NUMBER:		LAB NAME AND CONTACT:				FAX AND MAIL REPORTS/EDD TO: RECIPIENT 1 (Name and Company):				RECIPIENT 1 (Address, Tel No., and Fax No.):					
Oak Haven		2005148-1241		Accutest				Jorge Sanchez (OTIE)				1220 Kennestone Pkwy, Suite D, Marietta, GA 30066					
PROJECT PHASE/SITE/TASK:		CTO OR DO NUMBER:		LAB PO NUMBER:				FAX AND MAIL REPORTS/EDD TO: RECIPIENT 2 (Name and Company):				RECIPIENT 2 (Address, Tel No., and Fax No.):					
								Jorge Sanchez (OTIE)				1220 Kennestone Pkwy, Suite D, Marietta, GA 30066					
PROJECT CONTACT:		PROJECT TEL NO AND FAX NO:		LAB TEL NO AND FAX NO:				FAX AND MAIL REPORTS/EDD TO: RECIPIENT 3 (Name and Company):				RECIPIENT 3 (Address, Tel No., and Fax No.):					
Jorge Sanchez		(678) 355-5550						jsanchez@otiesolutions.com									
ANALYSES REQUIRED (Include Method Numbers)																	
ITEM	SAMPLE IDENTIFIER	SAMPLE DESCRIPTION/LOCATION	MATRIX (see codes on SOP)	DATE COLLECTED	TIME COLLECTED	DATA PKG LEVEL (see codes on SOP)	TAT (calculate days)	PK (4040)									
1		SB058 DUP	SO	09/24/09	14:30	II	ST	X									
2		SB058 MS/MSD	SO	09/24/09	14:30	II	ST	X									
3		SB064	SO	09/24/09	16:30	II	ST	X									
4		SB065	SO	09/24/09	16:45	II	ST	X									
5		SB066	SO	09/24/09	17:00	II	ST	X									
6																	
7																	
8																	
9																	
10																	
SAMPLER(S) AND COMPANY: (please print)				COURIER AND SHIPPING NUMBER:				SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use):									
Matt Polk (OTIE)																	
RELINQUISHED BY				DATE		TIME		RECEIVED BY				DATE		TIME			
Printed Name and Signature: <i>[Signature]</i>				9/25/09		16:00		Printed Name and Signature: <i>[Signature]</i>				1/0/1900		0:00			
Printed Name and Signature: <i>[Signature]</i>				9/26/09		9:00		Printed Name and Signature: <i>[Signature]</i>				9/26/09		9:00			
Printed Name and Signature: <i>[Signature]</i>								Printed Name and Signature: <i>[Signature]</i>									

Distribution: | Original - Laboratory (To be returned with Analytical Report); | Copy 1 - Project File; | Copy 2 - PMO

3.6

F68338: Chain of Custody

Page 3 of 6

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F68338 CLIENT: TN PROJECT: OAK Haven
 DATE/TIME RECEIVED: 9/26/09 9.0 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 3.6
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER
 AIRBILL NUMBERS: 7979 6578 4705

COOLER INFORMATION

- ☐ CUSTODY SEAL NOT PRESENT OR NOT INTACT
- ☐ CHAIN OF CUSTODY NOT RECEIVED (COC)
- ☐ ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- ☐ SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- ☐ TEMPERATURE CRITERIA NOT MET
- ☐ WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- ☐ TRIP BLANK PROVIDED
- ☒ TRIP BLANK NOT PROVIDED
- ☒ TRIP BLANK NOT ON COC
- ☐ TRIP BLANK INTACT
- ☐ TRIP BLANK NOT INTACT
- ☐ RECEIVED WATER TRIP BLANK
- ☐ RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- ☐ SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- ☐ CORRECT NUMBER OF CONTAINERS USED
- ☐ SAMPLE RECEIVED IMPROPERLY PRESERVED
- ☐ INSUFFICIENT VOLUME FOR ANALYSIS
- ☐ TIMES ON COC DOES NOT MATCH LABEL(S)
- ☒ ID'S ON COC DOES NOT MATCH LABEL(S)
- ☐ VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- ☒ BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- ☒ NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- ☐ UNCLEAR FILTERING INSTRUCTIONS
- ☐ UNCLEAR COMPOSITING INSTRUCTIONS
- ☐ SAMPLE CONTAINER(S) RECEIVED BROKEN
- ☐ % SOLIDS JAR NOT RECEIVED
- ☐ 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- ☐ RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 0
 NUMBER OF 5035 FIELD KITS ? 0
 NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS: Did not receive samples labeled: SB058 Dup @ 9/24/09 1430 & SB058 ms/msd @ 9/24/09 1430
Sample 17 SB019 @ 9/23/09 1210 has incorrect ID on Bottle: SB001 9/23/09 1210
Received extra samples: SB063 @ 9/24/09 1600 (1402 JAG) SB021 @ 9/23/09 1420 (1402) SB061 (ms/msd) @ 9/24/09 1510

TECHNICIAN SIGNATURE/DATE [Signature] 9/26/09 TECHNICIAN SIGNATURE/DATE [Signature] 9-26-09 ASBD 12/17/07

F68338: Chain of Custody

Page 4 of 6

Job Change Order: F68338_9/28/2009

Requested Date:	9/28/2009	Received Date:	9/26/2009
Account Name:	Oneida Total Intergrated	Due Date:	10/12/2009
Project Description:	Oak Haven, FL	Deliverable:	COMMBN
CSR:	SB	TAT (Days):	14

Sample #: F68338-MS/MSD **Change:** Per Matt Polk @ OTIE via phone 09.28.09, run MD/MSD on sample SB058.

Sample #: F68338-17 **Change:** Per Matt Polk @ OTIE via phone 09.28.09, the bottles labeled SB001 collected 09.23.09 at 12:10 should be SB019.

SB019

Sample #: F68338-SB063 **Change:** Per Matt Polk @ OTIE via phone 09.28.09, log in SB063 collected 09.24.09 at 16:00 for Pb, even though it is not listed on the coc.

Sample #: F68338-SB021 **Change:** Per Matt Polk @ OTIE via phone 09.28.09, log in SB21 collected 09.23.09 at 14:20 for Pb, even though it is not listed on the coc.

Above Changes

Matt Polk @ OTIE

Date: 9/28/2009

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Page 1 of 1

F68338: Chain of Custody
Page 5 of 6

Job Change Order: F68338_9/29/2009

Requested Date:	9/29/2009	Received Date:	9/26/2009
Account Name:	Oneida Total Intergrated	Due Date:	10/12/2009
Project Description:	Oak Haven, FL	Deliverable:	COMMBN
CSR:	SB	TAT (Days):	14

Sample #:
F68338-26

Change: Per Matt Polk @ OTIE via phone 09.28.09, run this sample received, but not listed on the coc and MS/MSD on it per bottles received.

SB061

Above Changes

Matt Polk @ OTIE

Date: 9/29/2009

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Page 1 of 1

F68338: Chain of Custody
Page 6 of 6