



January 26, 2011

Ms. Ann Kolata, Senior Redevelopment Specialist
City of South Bend
Department of Community & Economic Development
227 West Jefferson Blvd, 12th Floor
South Bend, Indiana 46601

RE: Letter Report Documenting the Remediation of Arsenic- and Lead-Impacted Soils at the Former Norfolk Southern Railroad Parcel (Tax I.D. #18-8021-084905) in South Bend, Indiana (Site); SBI059.400.0007.DOC.

Dear Ms. Kolata:

Hull & Associates, Inc. (Hull) is pleased to submit this report documenting the excavation of lead- and arsenic-impacted soil and soil sampling activities at the above referenced Site. The voluntary remedial activities were conducted pursuant to the City's 2009 American Recovery and Reinvestment Act- (ARRA-) funded Brownfields Cleanup Revolving Loan Fund (RLF) that was awarded to the City by the United States Environmental Protection Agency (U.S. EPA).

SITE BACKGROUND AND PHYSICAL SETTING

The Norfolk Rail Yard was used as a rail yard for the surrounding manufacturing facilities from the time it was first developed until the 1980s. Formerly located on the Site were a small railroad yard house, two tool sheds, a gate, a large weight scale, and rail spurs, all of which were in use during the rail yard's operation but have since been removed. The Site covers approximately 5.2 acres and is surrounded by the former Allied Stamping Plant to the north, a residential neighborhood to the south, a transportation building to the east, and a warehouse distribution center to the west. The Site is currently vacant. The location of the Site is shown on Figure 1.

SCOPE OF WORK

The remedial approach was developed based on the findings of a Phase I Environmental Site Assessment (ESA) and a Phase II ESA conducted by Hull. The field work was performed consistent with the Indiana Department of Environmental Management's (IDEM's) Risk Integrated System of Closure (RISC) Guidance and with a Work Plan¹ prepared for the City and approved by U.S. EPA and IDEM. The scope of work for the project included the following:

¹ *Work Plan for Soil Remedial Activities on Vacant Land Tax I.D. No. 18-8021-084905 (Former Norfolk Southern Railroad Parcel)*; Hull & Associates, Inc.; May 2010.

1. the excavation and subsequent off-site disposal at an approved facility of lead- and arsenic-impacted surface soils from two surveyed areas.

Corrective Action Implementation: Excavation and Sampling Program

The cleanup levels selected for this remediation project are the construction worker exposure pathway closure level for lead (970 mg/kg) and the direct contact exposure pathway for arsenic (20 mg/kg) as set forth in IDEM's RISC Technical Resource Guidance Document. Based on a previous Phase II ESA completed at the Site, two areas were identified where concentrations of chemicals of concern (COCs) in soils exceeded these exposure pathway-specific closure levels.

An Analysis of Brownfield Cleanup Alternatives² (ABCA) prepared by Hull in March 2010 estimated that up to 2,420 cubic yards (approximately equivalent to 3,630 tons) of soil would be removed from the Site. However, given the relatively large distance between historical soil sampling locations, and to streamline the bidding process (primarily so as to not commit the City to excavating a larger quantity than necessary), the Work Plan initially proposed 518 cubic yards in Excavation A and 539 cubic yards in Excavation B (a total of 1,057 cubic yards). The locations of the proposed excavations are shown on Figure 2. Prior to the commencement of remedial activities at the Site, the coordinates of the excavations were surveyed and staked by Wightman Petrie, Inc., an Indiana-licensed Professional Surveyor.

Through a bidding process coordinated through the City's Board of Public Works, the City retained the services of John Boettcher Sewer & Excavating Contractor, Ltd. (Boettcher) to serve as the remediation contractor for the project. Boettcher selected Waste Management, Inc. (WMI) as the disposal facility owner/operator and was informed by WMI, based on initial laboratory data provided by Hull to Boettcher, that WMI would likely direct soils for disposal at either Earthmovers Landfill in Elkhart, IN or Prairie View Landfill in Wyatt, IN. However, prior to disposal approval, WMI requested additional laboratory analyses in order to properly manifest the soils. Accordingly, Hull and Boettcher collected additional soil samples from within the western-most excavation shown on Figure 2, and submitted the samples for analysis of leachable lead concentrations in accordance with U.S. EPA Toxicity Characteristic Leaching Protocol (TCLP). Soil samples were submitted to Pace Analytical Services, Inc. (Pace) in Indianapolis, IN. The results of the TCLP analyses are summarized in Table 1, and a copy of the analytical report from Pace is included in Appendix A. Upon receipt of analytical data from Pace, WMI approved the soils from both proposed excavations as non-hazardous material disposable as alternate daily cover at either of the aforementioned disposal facilities.

From October 4, 2010 through December 2, 2010, under the supervision of Hull, Boettcher excavated lead- and arsenic-impacted soils from the two excavation areas at the Site. The lead-impacted soils were located on the western side of the Site and were designated Excavation A. The arsenic-impacted soils were located on the eastern side

² *Analysis of Brownfield Cleanup Alternatives for Vacant Land Tax I.D. No. 18-8021-084905 (Former Norfolk Southern Railroad Parcel)*; Hull & Associates, Inc.; March 2010.

of the Site and were designated Excavation B. The locations of Excavations A and B and other Site features are shown on Figure 2. Ultimately, Boettcher excavated approximately 2,111.2 tons of soil as described below.

Confirmatory sidewall soil samples were collected approximately every 20 linear feet from halfway between the surface and the bottom of the excavation wall. Confirmatory soil bottom samples were also collected from the base of the excavation at an approximate density of every 1000 square feet (i.e. one sample per 32' x 32' area). To ensure that the exposure pathway of concern (i.e., direct contact exposure for arsenic, and construction worker exposure for lead, as presented in the approved Work Plan) was rendered incomplete, the excavation depth was completed to a depth of approximately 2.5 feet below grade.

The excavations were initially sampled along the sidewalls and on the excavation floor at the desired sample intervals, as stated in the previous paragraph. One or two aliquots were collected into an appropriately labeled 4 oz jar from each sampling location. Samples were sent to Pace for the analysis of arsenic and lead concentrations. Areas where confirmatory samples exhibited concentrations of analytes above their respective closure levels were overexcavated at the location from which the previous samples were initially collected. Overexcavations along the sidewalls were conducted at approximately 5' x 5' x 2.5' (length x width x depth) intervals, and resampled following overexcavation. This process was continued iteratively as warranted until confirmatory samples indicated that the applicable closure levels were not exceeded. Bottom sample locations were overexcavated one to two additional feet in depth across a 5' x 5' area and resampled as described.

Matrix spike and matrix spike duplicate (MS/MSD) samples, equipment blank samples, and duplicate soil samples were collected from excavations A and B for laboratory quality assurance and quality control (QA/QC) and to meet the requirements of the Quality Assurance Project Plan approved by U.S. EPA for this grant-funded project. Immediately following the collection of all soil samples, the sample jars were placed in a cooler with ice and submitted to Pace with appropriate chain-of-custody documentation. Tables 2 and 3 provide a summary of the confirmatory soil sampling locations and results. Figures 3 and 4 show the locations of confirmatory samples that were above and below pathway-specific closure levels, as well as the locations of areas that were overexcavated to remove impacted soils where pathway-specific closure levels were exceeded. Copies of all laboratory analytical reports are included in Appendix A.

Within the southern portion of the excavation A, what initially appeared to be a concrete slab was encountered during excavation activities. The concrete was later determined to be part of a former railroad scale that had been identified during the previous Phase II ESA conducted at the Site. The City directed Boettcher to remove and crush on-Site the concrete (the costs for this task were tracked through a separate change order and funded by the City from a separate funding source). A small portion of soil (approximately 59.2 cubic yards or 88.8 tons) from within a troughed portion of the concrete scale was transported to the landfill. The concrete from the scale, once crushed and removed, was added to an existing crushed concrete pile at an immediately adjacent site. The void from the removed concrete scale was an approximately 65.5' x 26' rectangular area to a depth of approximately 8'-10' below grade.

Within the south-central location of excavation B an abandoned water line encased in concrete and brick was exposed during excavation activities. A concrete footer was also unearthed in the northeast corner of the excavation. The water line, surrounding protective structure, and footer were removed from the excavation and transported to the aforementioned crushed concrete pile.

According to landfill weigh tickets provided by Boettcher, approximately 2,111.2 tons of arsenic- and lead-impacted soils were excavated. Copies of the landfill weigh tickets are included in Attachment B. That quantity was corroborated by Hull's field representative conducting observation and sampling activities at the Site. Backfill for excavations A and B consisted of clean sand fill trucked in from an off Site source. The fill was compacted and leveled as it was placed in the excavation to a depth of approximately six inches below grade. Finally, the uppermost six inches of each excavation was backfilled with topsoil, seeded, and covered with straw. Backfilling, seeding, and final cover activities were completed on December 28, 2010.

SUMMARY AND DISCUSSION

One hundred forty-five confirmatory soil samples were collected during the October through December 2010 excavation activities and were analyzed by Pace for either lead or arsenic concentration. Soil analytical results of the confirmatory samples collected for lead analyses from excavation A are summarized in Table 2. Soil analytical results of the confirmatory samples collected for arsenic analyses are summarized in Table 3. The results presented in Tables 2 and 3 are also compared to their respective cleanup levels as discussed above.

While the concentration of lead in most soil samples collected from excavation A did not exceed the pathway-specific closure level, lead was detected at concentrations exceeding the closure level in the samples collected at SW-1B, SW-16B, SW-20B, SW-21B, SW-23B through SW-25B, and SW-31B. These areas were overexcavated, and the confirmatory soil samples subsequently collected exhibited lead concentrations below the pathway-specific closure levels. The locations of all soil samples collected from Excavation A are shown on Figure 3.

Arsenic concentrations in excavation B exceeded the pathway-specific closure level in soil samples SW-1B, SW-2B, SW-5B through SW-8B, SW-11B, SW-16B through SW-18B, SW-20B, SW-24B through SW-29B, SW-30B1, SW-30B through SW-35B, SW-37B through SW-45B, SW-50B, SW-52B, SW-55B, SW-56B, SW-67B, SW-68B, BS-7B and BS-15B. Accordingly, these areas were overexcavated to remove impacted soil. Laboratory analyses of the final confirmatory samples collected in overexcavated areas indicated that soils exhibiting arsenic concentrations exceeding pathway-specific closure levels had been removed. The locations of all soil samples collected from Excavation B are shown on Figure 4.

As stated above, approximately 2,111 tons of lead- and arsenic-impacted soils were excavated from the Site. The amount of soil excavated exceeded the amount of soil proposed to be removed (approximately 1,586 tons) in the bid package tendered by the City by approximately 525 tons. However, the amount of soil excavated is well below

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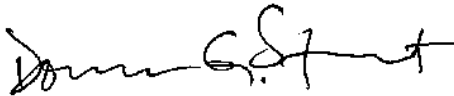
the amount of soil potentially considered for removal (as stated above, approximately 3,630 tons) in the ABCA. Based on the removal and proper disposal of soils exceeding applicable closure levels at the Site, no additional investigative or remedial activities pertaining to soil impacts appear to be warranted at the Site.

We trust this information meets your needs at this time. Should you have any questions about this investigation or our recommendations, please do not hesitate to contact us at (800) 241-7173.

Respectfully,



for
Luke A. Wright
Hydrogeologist 1



Douglas G. Stuart, CHMM
Senior Project Manager

TABLES

VOLUNTARY SOIL REMEDIATION
FORMER NORFOLK SOUTHERN PROPERTY
SOUTH BEND, INDIANA

TABLE 1

SOIL TCLP ANALYSES - EXCAVATION A
(mg/L)

Sample Identification:	RCRA Characteristically Hazardous Limit	Reporting Units	SS-1	SS-2	SS-3
Sample Date:			9/20/2010	9/20/2010	9/20/2010
Laboratory Identification:			SBI059:SS1:S010010	SBI059:SS2:S010010	SBI059:SS3:S010010
Sample Depth:			1 - 1	1 - 1	1 - 1
Metals (U.S. EPA TCLP Method)					
Lead	5.0	mg/L	<0.1	<0.1	<0.1

Sample Identification:	RCRA Characteristically Hazardous Limit	Reporting Units	SS-4	SS-5
Sample Date:			9/20/2010	9/20/2010
Laboratory Identification:			SBI059:SS4:S010010	SBI059:SS5:S010010
Sample Depth:			1 - 1	1 - 1
Metals (U.S. EPA TCLP Method)				
Lead	5.0	mg/L	<0.1	0.12

VOLUNTARY SOIL REMEDIATION
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TABLE 2
SOIL LEAD ANALYSES - EXCAVATION A
(mg/kg)

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	BS-1A	BS-2A	BS-3A
Sample Date:			10/7/2010	10/7/2010	10/7/2010
Laboratory Identification:			SBI059:BS-1A:S020020	SBI059:BS-2A:S020020	SBI059:BS-3A:S020020
Sample Depth:			2 - 2	2 - 2	2 - 2
Metals (Method 6010)					
Lead	970	mg/kg	5.6	14.3	7.9

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	BS-4A	BS-5A	BS-6A
Sample Date:			10/7/2010	10/7/2010	10/7/2010
Laboratory Identification:			SBI059:BS-4A:S020020	SBI059:BS-5A:S020020	SBI059:BS-6A:S020020
Sample Depth:			2 - 2	2 - 2	2 - 2
Metals (Method 6010)					
Lead	970	mg/kg	7.2	10.4	9.9

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	BS-7A	BS-8A	BS-9A
Sample Date:			10/7/2010	10/15/2010	10/15/2010
Laboratory Identification:			SBI059:BS-7A:S020020	SBI059:BS-8A:S020020	SBI059:BS-9A:S020020
Sample Depth:			2 - 2	2 - 2	2 - 2
Metals (Method 6010)					
Lead	970	mg/kg	243	10.7	280

VOLUNTARY SOIL REMEDIATION
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TABLE 2
SOIL LEAD ANALYSES - EXCAVATION A
(mg/kg)

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	BS-9A	BS-10A	BS-11A
Sample Date:			10/15/2010	10/20/2010	10/20/2010
Laboratory Identification:			SBI059:BS-9A:S020020A	SBI059:BS-10A:S020020	SBI059:BS-11A:S020020
Sample Depth:			2 - 2	2 - 2	2 - 2
Metals (Method 6010)					
Lead	970	mg/kg	44.6	9.8	15.8

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	BS-12A	BS-13A	SW-1A
Sample Date:			10/20/2010	10/20/2010	10/7/2010
Laboratory Identification:			SBI059:BS-12A:S020020	SBI059:BS-13A:S020020	SBI059:SW-1A:S005020
Sample Depth:			2 - 2	2 - 2	0.5 - 2
Metals (Method 6010)					
Lead	970	mg/kg	7.6	8.1	1400

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-2A	SW-3A	SW-4A
Sample Date:			10/7/2010	10/7/2010	10/7/2010
Laboratory Identification:			SBI059:SW-2A:S005020	SBI059:SW-3A:S005020	SBI059:SW-4A:S005020
Sample Depth:			0.5 - 2	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Lead	970	mg/kg	755	108	163

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TABLE 2
SOIL LEAD ANALYSES - EXCAVATION A
(mg/kg)

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-5A	SW-6A	SW-7A
Sample Date:			10/7/2010	10/7/2010	10/7/2010
Laboratory Identification:			SBI059:SW-5A:S005020	SBI059:SW-6A:S005020	SBI059:SW-7A:S005020
Sample Depth:			0.5 - 2	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Lead	970	mg/kg	275	107	398

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-8A	SW-9A	SW-10A
Sample Date:			10/7/2010	10/7/2010	10/7/2010
Laboratory Identification:			SBI059:SW-8A:S005020	SBI059:SW-9A:S005020	SBI059:SW-10A:S005020
Sample Depth:			0.5 - 2	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Lead	970	mg/kg	530	234	223

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-11A	SW-11A	SW-12A
Sample Date:			10/7/2010	10/7/2010	10/7/2010
Laboratory Identification:			SBI059:SW-11A:S005020	SBI059:SW-11A:S005020A	SBI059:SW-12A:S005020
Sample Depth:			0.5 - 2	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Lead	970	mg/kg	290	246	315

VOLUNTARY SOIL REMEDIATION
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SOUTH BEND, INDIANA

TABLE 2
SOIL LEAD ANALYSES - EXCAVATION A
(mg/kg)

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-13A	SW-14A	SW-15A
Sample Date:			10/7/2010	10/7/2010	10/7/2010
Laboratory Identification:			SBI059:SW-13A:S005020	SBI059:SW-14A:S005020	SBI059:SW-15A:S005020
Sample Depth:			0.5 - 2	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Lead	970	mg/kg	3.3	735	210

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-16A	SW-17A	SW-17A
Sample Date:			10/7/2010	10/7/2010	10/7/2010
Laboratory Identification:			SBI059:SW-16A:S005020	SBI059:SW-17A:S005020	SBI059:SW-17A:S005020A
Sample Depth:			0.5 - 2	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Lead	970	mg/kg	1530	550	364

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-18A	SW-19A	SW-20A
Sample Date:			10/7/2010	10/7/2010	10/15/2010
Laboratory Identification:			SBI059:SW-18A:S005020	SBI059:SW-19A:S005020	SBI059:SW-20A:S005020
Sample Depth:			0.5 - 2	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Lead	970	mg/kg	131	396	1700

VOLUNTARY SOIL REMEDIATION
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TABLE 2
SOIL LEAD ANALYSES - EXCAVATION A
(mg/kg)

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-21A	SW-22A	SW-23A
Sample Date:			10/15/2010	10/15/2010	10/15/2010
Laboratory Identification:			SBI059:SW-21A:S005020	SBI059:SW-22A:S005020	SBI059:SW-23A:S005020
Sample Depth:			0.5 - 2	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Lead	970	mg/kg	1930	403	1700

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-24A	SW-25A	SW-26A
Sample Date:			10/15/2010	10/15/2010	10/20/2010
Laboratory Identification:			SBI059:SW-24A:S005020	SBI059:SW-25A:S005020	SBI059:SW-26A:S005020
Sample Depth:			0.5 - 2	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Lead	970	mg/kg	1160	1190	78

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-27A	SW-28A	SW-29A
Sample Date:			10/20/2010	10/20/2010	10/20/2010
Laboratory Identification:			SBI059:SW-27A:S005020	SBI059:SW-28A:S005020	SBI059:SW-29A:S005020
Sample Depth:			0.5 - 2	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Lead	970	mg/kg	236	260	9.5

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TABLE 2
SOIL LEAD ANALYSES - EXCAVATION A
(mg/kg)

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-30A	SW-31A	SW-32A
Sample Date:			10/20/2010	10/20/2010	10/20/2010
Laboratory Identification:			SBI059:SW-30A:S005020	SBI059:SW-31A:S005020	SBI059:SW-32A:S005020
Sample Depth:			0.5 - 2	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Lead	970	mg/kg	240	1120	493

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-33A	SW-34A	SW-35A
Sample Date:			10/20/2010	10/27/2010	10/27/2010
Laboratory Identification:			SBI059:SW-33A:S005020	SBI059:SW-34A:S005020	SBI059:SW-35A:S005020
Sample Depth:			0.5 - 2	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Lead	970	mg/kg	306	282	163

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-35A	SW-36A		
Sample Date:			10/27/2010	10/27/2010		10/27/2010
Laboratory Identification:			SBI059:SW-35A:S005020A	SBI059:SW-36A:S005020		SBI059:SW-36A:S005020
Sample Depth:			0.5 - 2	0.5 - 2		0.5 - 2
Metals (Method 6010)						
Lead	970	mg/kg	205	586		

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TABLE 3
SOIL ARSENIC ANALYSES - EXCAVATION B
(mg/kg)

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	BS-1	BS-2	BS-3
Sample Date:			10/8/2010	10/8/2010	10/8/2010
Laboratory Identification			SBI059:BS-1:S020020	SBI059:BS-2:S020020	SBI059:BS-3:S020020
Sample Depth:			2 - 2	2 - 2	2 - 2
Metals (Method 6010)					
Arsenic	20	mg/kg	7.9	2.2	3.9

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	BS-4	BS-5	BS-6B
Sample Date:			10/8/2010	10/8/2010	10/8/2010
Laboratory Identification			SBI059:BS-4:S020020	SBI059:BS-5:S020020	SBI059:BS-6B:S020020
Sample Depth:			2 - 2	2 - 2	2 - 2
Metals (Method 6010)					
Arsenic	20	mg/kg	5.7	5	6.6

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	BS-7B	BS-8	BS-9B
Sample Date:			10/8/2010	10/8/2010	10/15/2010
Laboratory Identification			SBI059:BS-7B:S020020	SBI059:BS-8:S020020	SBI059:BS-9B:S020020
Sample Depth:			2 - 2	2 - 2	2 - 2
Metals (Method 6010)					
Arsenic	20	mg/kg	22	14.4	4.4

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	BS-10B	BS-11B	BS-12B
Sample Date:			10/15/2010	10/18/2010	10/18/2010
Laboratory Identification			SBI059:BS-10B:S040040	SBI059:BS-11B:S020020	SBI059:BS-12B:S020020
Sample Depth:			4 - 4	2 - 2	2 - 2
Metals (Method 6010)					
Arsenic	20	mg/kg	2.1	7.3	9.3

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TABLE 3
SOIL ARSENIC ANALYSES - EXCAVATION B
(mg/kg)

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	BS-13B	BS-14B	BS-15B
Sample Date:			10/18/2010	10/18/2010	10/18/2010
Laboratory Identification			SBI059:BS-13B:S020020	SBI059:BS-14B:S020020	SBI059:BS-15B:S020020
Sample Depth:			2 - 2	2 - 2	2 - 2
Metals (Method 6010)					
Arsenic	20	mg/kg	5.3	6.6	27.3

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	BS-16B	BS-17B	BS-18B
Sample Date:			10/18/2010	10/21/2010	10/20/2010
Laboratory Identification			SBI059:BS-16B:S020020	SBI059:BS-17B:S025025	SBI059:BS-18B:S020020
Sample Depth:			2 - 2	2.5 - 2.5	2 - 2
Metals (Method 6010)					
Arsenic	20	mg/kg	9.6	8.8	22

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	BS-19B	SW-1B	SW-2B
Sample Date:			10/27/2010	10/8/2010	10/8/2010
Laboratory Identification			SBI059:BS-19B:S025025	SBI059:SW-1B:S005020	SBI059:SW-2B:S005020
Sample Depth:			2.5 - 2.5	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Arsenic	20	mg/kg	10.5	368	129

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-3B	SW-4B	SW-5B
Sample Date:			10/8/2010	10/8/2010	10/8/2010
Laboratory Identification			SBI059:SW-3B:S005020	SBI059:SW-4B:S005020	SBI059:SW-5B:S005020
Sample Depth:			0.5 - 2	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Arsenic	20	mg/kg	17.5	7.1	64.7

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TABLE 3
SOIL ARSENIC ANALYSES - EXCAVATION B
(mg/kg)

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-6B	SW-7B	SW-8B
Sample Date:			10/8/2010	10/8/2010	10/8/2010
Laboratory Identification			SBI059:SW-6B:S005020	SBI059:SW-7B:S005020	SBI059:SW-8B:S005020
Sample Depth:			0.5 - 2	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Arsenic	20	mg/kg	27.5	25.2	142

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-8B	SW-9B	SW-10B
Sample Date:			10/8/2010	10/8/2010	10/8/2010
Laboratory Identification			SBI059:SW-8B:S005020A	SBI059:SW-9B:S005020	SBI059:SW-10B:S005020
Sample Depth:			0.5 - 2	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Arsenic	20	mg/kg	207	15.7	8.7

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-11B	SW-12B	SW-13B
Sample Date:			10/8/2010	10/8/2010	10/8/2010
Laboratory Identification			SBI059:SW-11B:S005020	SBI059:SW-12B:S005020	SBI059:SW-13B:S005020
Sample Depth:			0.5 - 2	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Arsenic	20	mg/kg	25.1	17.5	4.4

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-14B	SW-15B	SW-16B
Sample Date:			10/8/2010	10/8/2010	10/8/2010
Laboratory Identification			SBI059:SW-14B:S005020	SBI059:SW-15B:S005020	SBI059:SW-16B:S005020
Sample Depth:			0.5 - 2	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Arsenic	20	mg/kg	9.3	11.3	143

VOLUNTARY SOIL REMEDIATION
FORMER NORFOLK SOUTHERN PROPERTY
SOUTH BEND, INDIANA

TABLE 3
SOIL ARSENIC ANALYSES - EXCAVATION B
(mg/kg)

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-17	SW-17	SW-18
Sample Date:			10/8/2010	10/8/2010	10/8/2010
Laboratory Identification			SBI059:SW-17:S005020	SBI059:SW-17:S005020A	SBI059:SW-18:S005020
Sample Depth:			0.5 - 2	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Arsenic	20	mg/kg	16.3	338	37.2

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-19B	SW-20B	SW-21B
Sample Date:			10/15/2010	10/15/2010	10/15/2010
Laboratory Identification			SBI059:SW-19B:S005020	SBI059:SW-20B:S005020	SBI059:SW-21B:S005020
Sample Depth:			0.5 - 2	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Arsenic	20	mg/kg	5	23.4	10.6

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-22B	SW-23B	SW-24B
Sample Date:			10/18/2010	10/18/2010	10/18/2010
Laboratory Identification			SBI059:SW-22B:S0050210	SBI059:SW-23B:S0050210	SBI059:SW-24B:S0050210
Sample Depth:			0.5 - 2.1	0.5 - 2.1	0.5 - 2.1
Metals (Method 6010)					
Arsenic	20	mg/kg	17.7	11	163

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-25B	SW-26B	SW-27B
Sample Date:			10/18/2010	10/18/2010	10/18/2010
Laboratory Identification			SBI059:SW-25B:S0050210	SBI059:SW-26B:S0050210	SBI059:SW-27B:S0050210
Sample Depth:			0.5 - 2.1	0.5 - 2.1	0.5 - 2.1
Metals (Method 6010)					
Arsenic	20	mg/kg	142	542	252

VOLUNTARY SOIL REMEDIATION
FORMER NORFOLK SOUTHERN PROPERTY
SOUTH BEND, INDIANA

TABLE 3
SOIL ARSENIC ANALYSES - EXCAVATION B
(mg/kg)

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-27B	SW-28B	SW-29B
Sample Date:			10/18/2010	10/18/2010	10/18/2010
Laboratory Identification			SBI059:SW-27B:S0050210A	SBI059:SW-28B:S0050210	SBI059:SW-29B:S005020
Sample Depth:			0.5 - 2.1	0.5 - 2.1	0.5 - 2
Metals (Method 6010)					
Arsenic	20	mg/kg	172	78.2	30.8

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-30B	SW-30B	SW-31B
Sample Date:			10/20/2010	10/21/2010	10/20/2010
Laboratory Identification			SBI059:SW-30B:S005020	SBI059:SW-30B:S005025	SBI059:SW-31B:S005020
Sample Depth:			0.5 - 2	0.5 - 2.5	0.5 - 2
Metals (Method 6010)					
Arsenic	20	mg/kg	21.9	408	12.1

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-31B	SW-32B	SW-32B
Sample Date:			10/21/2010	10/20/2010	10/21/2010
Laboratory Identification			SBI059:SW-31B:S005025	SBI059:SW-32B:S005020	SBI059:SW-32B:S005025
Sample Depth:			0.5 - 2.5	0.5 - 2	0.5 - 2.5
Metals (Method 6010)					
Arsenic	20	mg/kg	58.6	15.5	251

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-33B	SW-34B	SW-35B
Sample Date:			10/21/2010	10/21/2010	10/21/2010
Laboratory Identification			SBI059:SW-33B:S005025	SBI059:SW-34B:S005025	SBI059:SW-35B:S005025
Sample Depth:			0.5 - 2.5	0.5 - 2.5	0.5 - 2.5
Metals (Method 6010)					
Arsenic	20	mg/kg	161	214	63.9

VOLUNTARY SOIL REMEDIATION
FORMER NORFOLK SOUTHERN PROPERTY
SOUTH BEND, INDIANA

TABLE 3
SOIL ARSENIC ANALYSES - EXCAVATION B
(mg/kg)

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-36B	SW-37B	SW-38B
Sample Date:			10/27/2010	10/27/2010	10/27/2010
Laboratory Identification			SBI059:SW-36B:S005020	SBI059:SW-37B:S005020	SBI059:SW-38B:S005020
Sample Depth:			0.5 - 2	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Arsenic	20	mg/kg	14.5	351	109

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-39B	SW-40B	SW-41B
Sample Date:			10/27/2010	10/27/2010	10/27/2010
Laboratory Identification			SBI059:SW-39B:S005020	SBI059:SW-40B:S005020	SBI059:SW-41B:S005020
Sample Depth:			0.5 - 2	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Arsenic	20	mg/kg	301	287	20.5

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-42B	SW-43B	SW-44B
Sample Date:			10/27/2010	10/27/2010	10/27/2010
Laboratory Identification			SBI059:SW-42B:S005020	SBI059:SW-43B:S005020	SBI059:SW-44B:S005020
Sample Depth:			0.5 - 2	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Arsenic	20	mg/kg	65.4	41.1	104

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-45B	SW-46B	SW-47B
Sample Date:			10/27/2010	10/27/2010	10/27/2010
Laboratory Identification			SBI059:SW-45B:S005020	SBI059:SW-46B:S005020	SBI059:SW-47B:S005020
Sample Depth:			0.5 - 2	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Arsenic	20	mg/kg	27.4	14.7	17.1

VOLUNTARY SOIL REMEDIATION
FORMER NORFOLK SOUTHERN PROPERTY
SOUTH BEND, INDIANA

TABLE 3
SOIL ARSENIC ANALYSES - EXCAVATION B
(mg/kg)

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-48B	SW-49B	SW-50B
Sample Date:			11/4/2010	11/4/2010	11/4/2010
Laboratory Identification			SBI059:SW-48B:S005020	SBI059:SW-49B:S005020	SBI059:SW-50B:S005020
Sample Depth:			0.5 - 2	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Arsenic	20	mg/kg	7.9	13.3	281

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-50B	SW-51B	SW-52B
Sample Date:			11/4/2010	11/4/2010	11/4/2010
Laboratory Identification			SBI059:SW-50B:S005020A	SBI059:SW-51B:S005020	SBI059:SW-52B:S005020
Sample Depth:			0.5 - 2	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Arsenic	20	mg/kg	55.5	10.8	140

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-53B	SW-54B	SW-55B
Sample Date:			11/4/2010	11/4/2010	11/4/2010
Laboratory Identification			SBI059:SW-53B:S005020	SBI059:SW-54B:S005020	SBI059:SW-55B:S005020
Sample Depth:			0.5 - 2	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Arsenic	20	mg/kg	7.8	11	61.2

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-56B	SW-57B	SW-58B
Sample Date:			11/4/2010	11/4/2010	11/4/2010
Laboratory Identification			SBI059:SW-56B:S005020	SBI059:SW-57B:S005020	SBI059:SW-58B:S005020
Sample Depth:			0.5 - 2	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Arsenic	20	mg/kg	147	13.7	5.4

VOLUNTARY SOIL REMEDIATION
FORMER NORFOLK SOUTHERN PROPERTY
SOUTH BEND, INDIANA

TABLE 3
SOIL ARSENIC ANALYSES - EXCAVATION B
(mg/kg)

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-59B	SW-60B	SW-61B
Sample Date:			11/11/2010	11/11/2010	11/11/2010
Laboratory Identification			SBI059:SW-59B:S005020	SBI059:SW-60B:S005020	SBI059:SW-61B:S005020
Sample Depth:			0.5 - 2	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Arsenic	20	mg/kg	82.2	3	15.1

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-62B	SW-63B	SW-63B
Sample Date:			11/11/2010	11/11/2010	11/11/2010
Laboratory Identification			SBI059:SW-62B:S005020	SBI059:SW-63B:S005020	SBI059:SW-63B:S005020A
Sample Depth:			0.5 - 2	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Arsenic	20	mg/kg	5.4	4.4	3.4

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-64B	SW-65B	SW-66B
Sample Date:			11/11/2010	11/11/2010	11/11/2010
Laboratory Identification			SBI059:SW-64B:S005020	SBI059:SW-65B:S005020	SBI059:SW-66B:S005020
Sample Depth:			0.5 - 2	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Arsenic	20	mg/kg	5	6.8	5.1

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-67B	SW-68B	SW-69B
Sample Date:			11/11/2010	11/11/2010	11/11/2010
Laboratory Identification			SBI059:SW-67B:S005020	SBI059:SW-68B:S005020	SBI059:SW-69B:S005020
Sample Depth:			0.5 - 2	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Arsenic	20	mg/kg	225	47	3.4

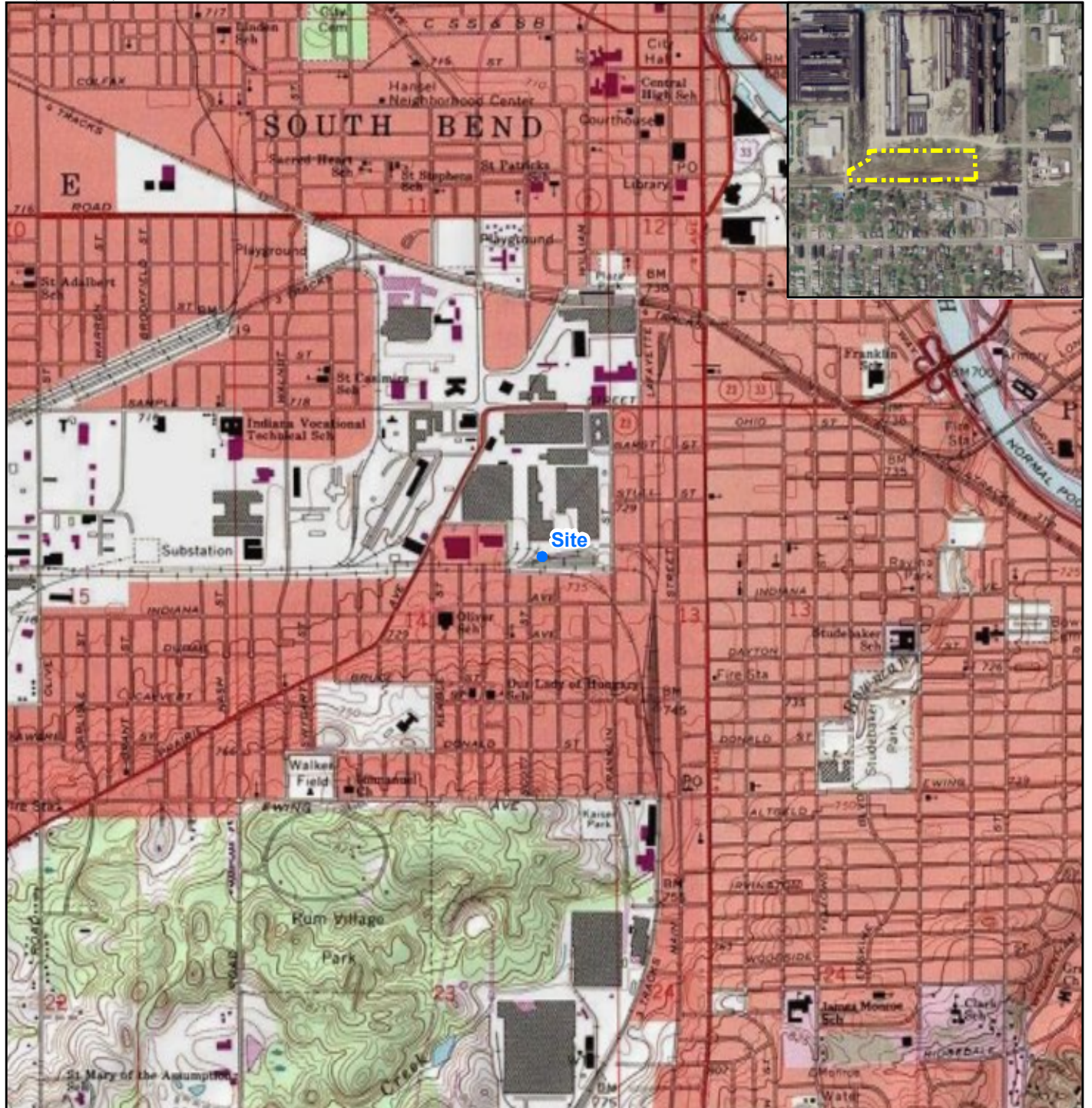
VOLUNTARY SOIL REMEDIATION
FORMER NORFOLK SOUTHERN PROPERTY
SOUTH BEND, INDIANA

TABLE 3
SOIL ARSENIC ANALYSES - EXCAVATION B
(mg/kg)

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-70B	SW-71B	SW-72B
Sample Date:			11/11/2010	11/11/2010	11/11/2010
Laboratory Identification			SBI059:SW-70B:S005020	SBI059:SW-71B:S005020	SBI059:SW-72B:S005020
Sample Depth:			0.5 - 2	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Arsenic	20	mg/kg	4.1	10	4.8

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario	Reporting Units	SW-73B	SW-74B
Sample Date:			11/11/2010	11/22/2010
Laboratory Identification			SBI059:SW-73B:S005020	SBI059:SW-74B:S005020
Sample Depth:			0.5 - 2	0.5 - 2
Metals (Method 6010)				
Arsenic	20	mg/kg	6.3	5.8

FIGURES



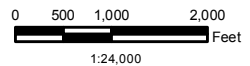
Indiana

Legend

● Site Location

Source: The topographic map was acquired through the USGS Topographic Map web service. Topo quadrangle date not provided.

The aerial photo in the inset was acquired through the Microsoft Virtual Earth Aerial Photography web service. Aerial photography date not provided.



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Indianapolis, IN 46250 www.hullinc.com

Former Norfolk Southern Railroad
Voluntary Remedial Soil Excavation

Site Location Map

1406 South Franklin Street
South Bend, St. Joseph County, Indiana

Date:

January 2011

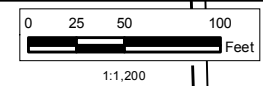
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SBI059_02_Fig01_SiteLocMap.mxd

Edited: 1/10/2011 By: jstifer

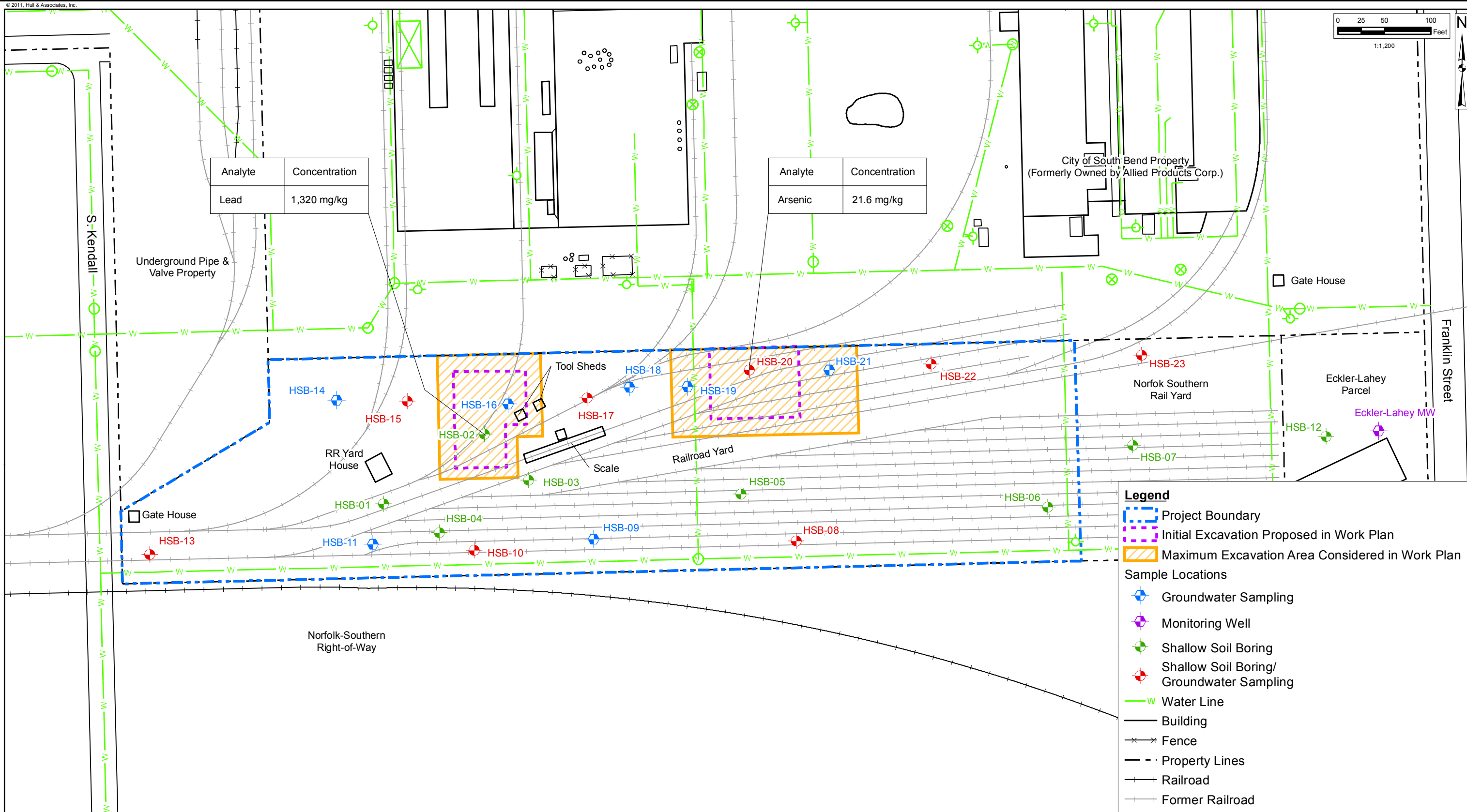
Figure

1



Analyte	Concentration
Lead	1,320 mg/kg

Analyte	Concentration
Arsenic	21.6 mg/kg



Legend

- Project Boundary
- Initial Excavation Proposed in Work Plan
- Maximum Excavation Area Considered in Work Plan

Sample Locations

- ◆ Groundwater Sampling
- ◆ Monitoring Well
- ◆ Shallow Soil Boring
- ◆ Shallow Soil Boring/
Groundwater Sampling
- W Water Line
- Building
- Fence
- Property Lines
- Railroad
- Former Railroad

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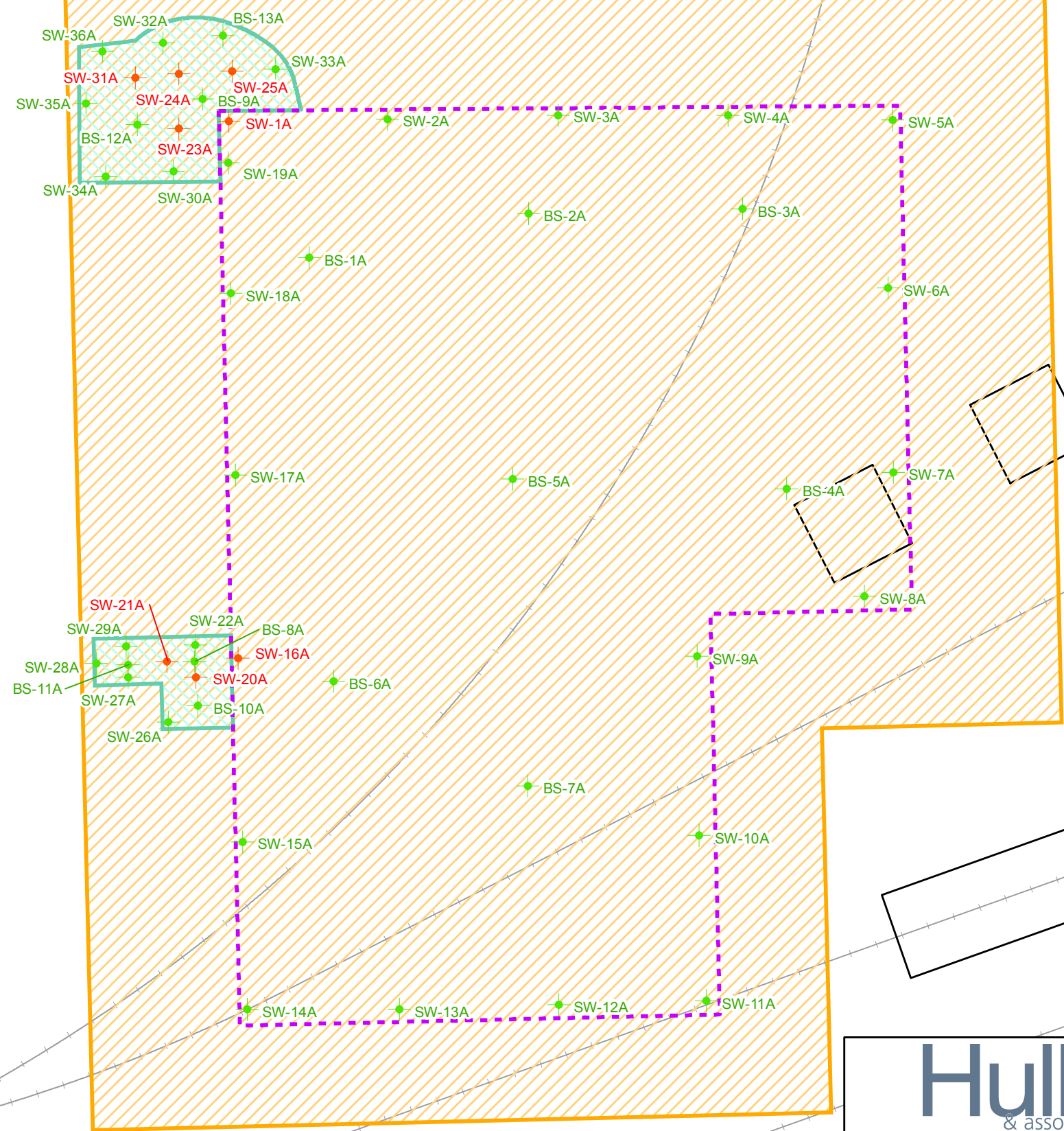
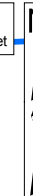
Former Norfolk Southern Railroad
Voluntary Remedial Soil Excavation

Site Plan

1406 South Franklin Street
South Bend, St. Joseph County, Indiana

Figure

2



Legend

- Site Boundary
- Initial Excavation Proposed in Work Plan
- Overexcavated Area
- Maximum Excavation Area Considered in Work Plan
- Building
- Property Lines
- Former Railroad

Excavation Sample Point

- Above Applicable Closure Level
- Below Applicable Closure Level

(BS = Bottom Sample, SW = Sidewall Sample)

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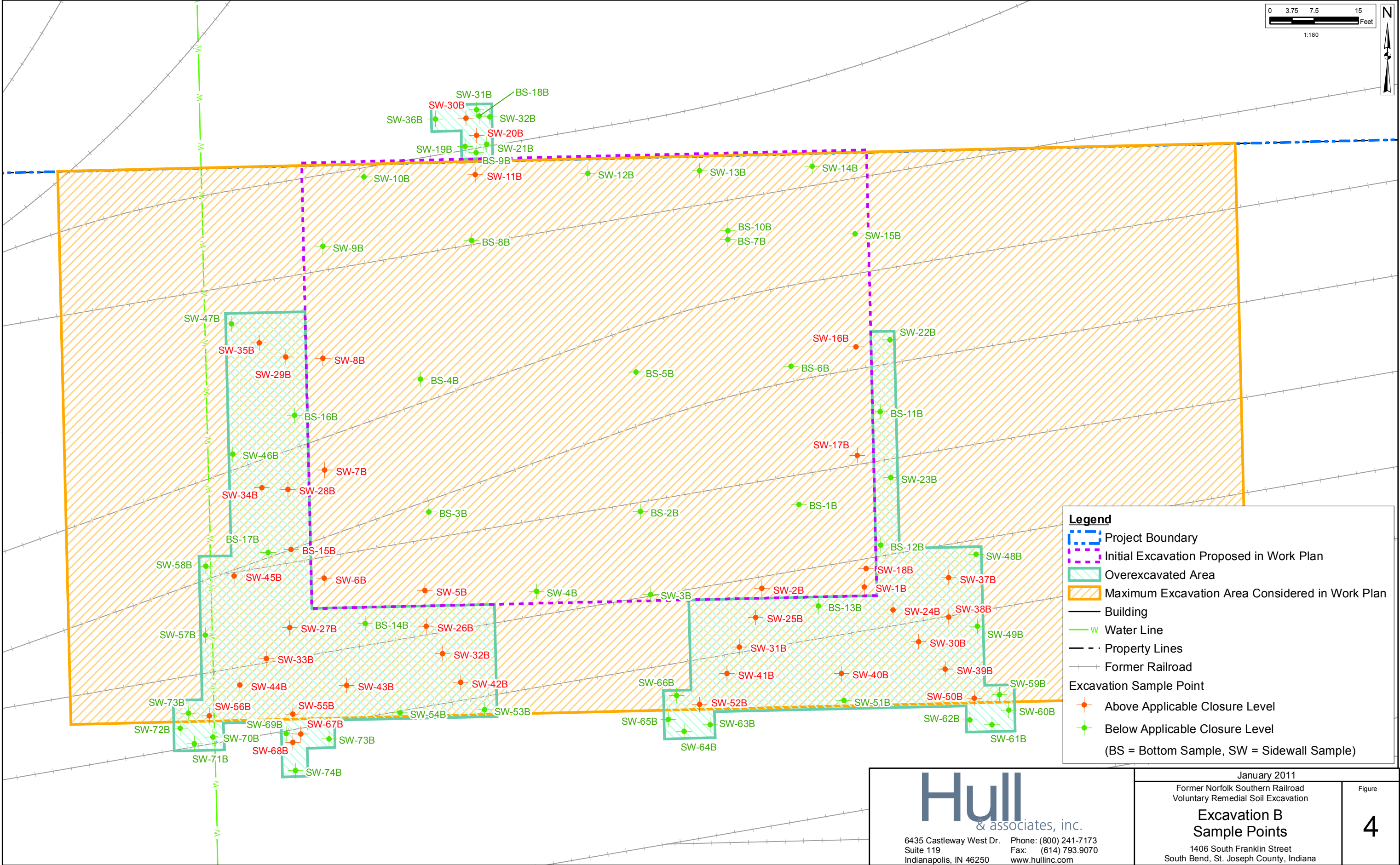
January 2011

Former Norfolk Southern Railroad
Voluntary Remedial Soil Excavation

**Excavation A
Sample Points**

1406 South Franklin Street
South Bend, St. Joseph County, Indiana

Figure
3



Legend

- Project Boundary
- Initial Excavation Proposed in Work Plan
- Overexcavated Area
- Maximum Excavation Area Considered in Work Plan
- Building
- Water Line
- Property Lines
- Former Railroad

Excavation Sample Point

- Above Applicable Closure Level
- Below Applicable Closure Level

(BS = Bottom Sample, SW = Sidewall Sample)

 6435 Castleway West Dr. Suite 119 Indianapolis, IN 46250 Phone: (800) 241-7173 Fax: (614) 793.9070 www.hullinc.com	January 2011 Former Norfolk Southern Railroad Voluntary Remedial Soil Excavation	Figure 4
	Excavation B Sample Points 1406 South Franklin Street South Bend, St. Joseph County, Indiana	

Geodatabase: SB059.mdb | File Name: SB059_02_Fig04_ExcavB_Samp.mxd | Edited: 1/10/2011 | By: jsl/er

APPENDIX A

Laboratory Analytical Reports

September 22, 2010

Mr. Doug Stuart
Hull & Associates
6435 Castleway West Drive
Suite 119
Indianapolis, IN 46250

RE: Project: SBI059
Pace Project No.: 5041579

Dear Mr. Stuart:

Enclosed are the analytical results for sample(s) received by the laboratory on September 20, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kenneth Hunt

kenneth.hunt@pacelabs.com
Project Manager

Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 10

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SAMPLE SUMMARY

Project: SBI059
Pace Project No.: 5041579

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5041579001	SBI059:SS1:S010010	Solid	09/20/10 10:45	09/20/10 13:55
5041579002	SBI059:SS2:S010010	Solid	09/20/10 10:55	09/20/10 13:55
5041579003	SBI059:SS3:S010010	Solid	09/20/10 11:10	09/20/10 13:55
5041579004	SBI059:SS4:S010010	Solid	09/20/10 11:20	09/20/10 13:55
5041579005	SBI059:SS5:S010010	Solid	09/20/10 11:30	09/20/10 13:55

REPORT OF LABORATORY ANALYSIS

Page 2 of 10

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SAMPLE ANALYTE COUNT

Project: SBI059
Pace Project No.: 5041579

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5041579001	SBI059:SS1:S010010	EPA 6010	FRW	1
5041579002	SBI059:SS2:S010010	EPA 6010	FRW	1
5041579003	SBI059:SS3:S010010	EPA 6010	FRW	1
5041579004	SBI059:SS4:S010010	EPA 6010	FRW	1
5041579005	SBI059:SS5:S010010	EPA 6010	FRW	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5041579

Sample: SBI059:SS1:S010010 Lab ID: 5041579001 Collected: 09/20/10 10:45 Received: 09/20/10 13:55 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Lead	ND	mg/L	0.10	1	09/21/10 00:00	09/22/10 02:34	7439-92-1	

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5041579

Sample: SBI059:SS2:S010010 Lab ID: 5041579002 Collected: 09/20/10 10:55 Received: 09/20/10 13:55 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Lead	ND	mg/L	0.10	1	09/21/10 00:00	09/22/10 02:42	7439-92-1	

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5041579

Sample: SBI059:SS3:S010010 Lab ID: 5041579003 Collected: 09/20/10 11:10 Received: 09/20/10 13:55 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Lead	ND	mg/L	0.10	1	09/21/10 00:00	09/22/10 02:45	7439-92-1	

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5041579

Sample: SBI059:SS4:S010010 Lab ID: 5041579004 Collected: 09/20/10 11:20 Received: 09/20/10 13:55 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Lead	ND	mg/L	0.10	1	09/21/10 00:00	09/22/10 02:49	7439-92-1	

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5041579

Sample: SBI059:SS5:S010010 Lab ID: 5041579005 Collected: 09/20/10 11:30 Received: 09/20/10 13:55 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Lead	0.12	mg/L	0.10	1	09/21/10 00:00	09/22/10 02:53	7439-92-1	

QUALITY CONTROL DATA

Project: SBI059
Pace Project No.: 5041579

QC Batch: MPRP/6386 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET TCLP
Associated Lab Samples: 5041579001, 5041579002, 5041579003, 5041579004, 5041579005

METHOD BLANK: 484243 Matrix: Water
Associated Lab Samples: 5041579001, 5041579002, 5041579003, 5041579004, 5041579005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/L	ND	0.10	09/22/10 02:24	

LABORATORY CONTROL SAMPLE & LCSD: 484244 484245

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Lead	mg/L	10	9.4	9.4	94	94	80-120	.1	20	

MATRIX SPIKE SAMPLE: 484246

Parameter	Units	5041579001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	ND	10	9.4	94	50-150	

MATRIX SPIKE SAMPLE: 484247

Parameter	Units	5041501001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	ND	10	9.1	91	50-150	

QUALIFIERS

Project: SBI059

Pace Project No.: 5041579

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.



Dublin, OH
6397 Emerald Parkway
Suite 200
Dublin, OH 43016
Phone: (614)793-8777
Fax: (614)793-9070

Indianapolis, IN
6330 E. 76th St.
Suite 174
Indianapolis, IN 46250
Phone: (317)558-0558
Fax: (317)558-0553

Mason, OH
4900 Parkway Dr.
Suite 100
Mason, OH 45040
Phone: (513)459-9677
Fax: (513)459-9869

Solon, OH
6161 Cochran Road
Suite A
Solon, OH 44139
Phone: (440)519-2555
Fax: (440)519-2560

Toledo, OH
3401 Glendale Ave.
Suite 300
Toledo, OH 43614
Phone: (419)385-2018
Fax: (419)385-5487

CHAIN OF CUSTODY RECORD

NO. 6544
504/579

REPORT TO: Doug Stuart

Client: _____
Site: Former Norfolk Southern RR site
Project #: SBIO59 Phase: _____
Samplers: Ryan Stevers

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE & ID	NO. OF CONT.	METALS	COLLECTION DATE/TIME	COMMENTS
SBIO59	S51	S010016	1		9/20/10 1045	1001
SBIO59	S52	S010016	1		9/20/10 1055	1002
SBIO59	S53	S010016	1		9/20/10 1110	1003
SBIO59	S54	S010016	1		9/20/10 1120	1004
SBIO59	S55	S010016	1		9/20/10 1130	1005
:	:	:	:	:	:	:
:	:	:	:	:	:	:
:	:	:	:	:	:	:
:	:	:	:	:	:	:
:	:	:	:	:	:	:
:	:	:	:	:	:	:
:	:	:	:	:	:	:
:	:	:	:	:	:	:
:	:	:	:	:	:	:

TECP Lead

PRESERVATIVES

ANALYSES

SAMPLE TYPES
A-AIR
C-ASBESTOS
D-SEDIMENT
G-GROUNDWATER
P-PRODUCT
S-SOIL
W-WATER
Z-OTHERS
All samples are kept at 4 degrees Celsius.

PRESERVATIVES
A-Cool only, <4 deg. C
B-HNO3 pH-2
C-H2SO4 pH-2
D-NiOH pH-12
E-ZnAcetate + NaOH, pH-9
F-Na2S O (0.006%)
G-HCL, pH <2

METALS
F-FILTERED
N-NOT FILTERED
B-BOTH

RELINQUISHED BY: Ryan Stevers DATE: 9/20/10 TIME: 1355

RECEIVED BY: [Signature] DATE: _____ TIME: _____

RELINQUISHED BY: _____ DATE: _____ TIME: _____

RECEIVED FOR LAB BY: _____ DATE: _____ TIME: _____

COOLER TEMPERATURE AS RECEIVED: 5.3 °C

Deliver To: _____

Method of Delivery: _____

Airbill Number: _____

NOTES: TAT ASAP

TURN AROUND TIME: ASAP DAYS

WF Client Deliv.

Sample Condition Upon Receipt



Client Name: Gall

Project # 5041579

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer Used 1 2 3 4 5 A B C D E Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature 5.3 °C Ice Visible in Sample Containers: yes no
Temp should be above freezing to 6°C

Date and Initials of person examining contents: [Signature] 9/29/10

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	5.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. <u>Turnaround ASAP</u>
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8. <u>Soil</u>
All containers needing preservation have been pH checked? <small>exceptions: VOA, coliform, TOC, O&G, WI-DRD (water)</small>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	9.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Project Manager Review		
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.

Client Notification/ Resolution: _____ Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature]

Date: 9-20-10

Sample Container Count

CLIENT: Spill

COC PAGE of
COC ID# 6544

Project # 5041579



Sample Line Item	DG9H	AG1U	WG9H	R	4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	Comments
1			/											
2			/											
3			/											
4			/											
5			/											
6														
7														
8														
9														
10														
11														
12														

Container Codes

DG9H	40mL HCL amber vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WG9U	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic		Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3A	250mL NaOH, Asc Acid plastic	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

October 14, 2010

Mr. Doug Stuart
Hull & Associates
6435 Castleway West Drive
Suite 119
Indianapolis, IN 46250

RE: Project: SBI059
Pace Project No.: 5042243

Dear Mr. Stuart:

Enclosed are the analytical results for sample(s) received by the laboratory on October 08, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kenneth Hunt

kenneth.hunt@pacelabs.com
Project Manager

Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana Certification #: 04076
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 39

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SAMPLE SUMMARY

Project: SBI059
Pace Project No.: 5042243

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5042243001	SBI059:SW-9A:S005020	Solid	10/07/10 12:51	10/08/10 14:32
5042243002	SBI059:SW-10A:S005020	Solid	10/07/10 12:55	10/08/10 14:32
5042243003	SBI059:SW-11A:S005020	Solid	10/07/10 13:08	10/08/10 14:32
5042243004	SBI059:SW-11A:S005020A	Solid	10/07/10 13:08	10/08/10 14:32
5042243005	SBI059:SW-12A:S005020	Solid	10/07/10 13:14	10/08/10 14:32
5042243006	SBI059:SW-13A:S005020	Solid	10/07/10 13:18	10/08/10 14:32
5042243007	SBI059:SW-14A:S005020	Solid	10/07/10 13:22	10/08/10 14:32
5042243008	SBI059:SW-15A:S005020	Solid	10/07/10 13:29	10/08/10 14:32
5042243009	SBI059:SW-16A:S005020	Solid	10/07/10 13:34	10/08/10 14:32
5042243010	SBI059:SW-17A:S005020	Solid	10/07/10 13:40	10/08/10 14:32
5042243011	SBI059:SW-17A:S005020A	Solid	10/07/10 13:40	10/08/10 14:32
5042243012	SBI059:SW-18A:S005020	Solid	10/07/10 13:46	10/08/10 14:32
5042243013	SBI059:SW-19A:S005020	Solid	10/07/10 13:57	10/08/10 14:32
5042243014	SBI059:SW-1A:S005020	Solid	10/07/10 14:01	10/08/10 14:32
5042243015	SBI059:SW-2A:S005020	Solid	10/07/10 14:06	10/08/10 14:32
5042243016	SBI059:SW-3A:S005020	Solid	10/07/10 14:14	10/08/10 14:32
5042243017	SBI059:SW-4A:S005020	Solid	10/07/10 14:25	10/08/10 14:32
5042243018	SBI059:SW-5A:S005020	Solid	10/07/10 14:30	10/08/10 14:32
5042243019	SBI059:SW-6A:S005020	Solid	10/07/10 14:33	10/08/10 14:32
5042243020	SBI059:SW-7A:S005020	Solid	10/07/10 14:36	10/08/10 14:32
5042243021	SBI059:SW-8A:S005020	Solid	10/07/10 14:40	10/08/10 14:32
5042243022	SBI059:BS-1A:S020020	Solid	10/07/10 15:21	10/08/10 14:32
5042243023	SBI059:BS-2A:S020020	Solid	10/07/10 15:26	10/08/10 14:32
5042243024	SBI059:BS-3A:S020020	Solid	10/07/10 15:31	10/08/10 14:32
5042243025	SBI059:BS-4A:S020020	Solid	10/07/10 15:39	10/08/10 14:32
5042243026	SBI059:BS-5A:S020020	Solid	10/07/10 15:47	10/08/10 14:32
5042243027	SBI059:BS-6A:S020020	Solid	10/07/10 15:54	10/08/10 14:32
5042243028	SBI059:BS-7A:S020020	Solid	10/07/10 15:58	10/08/10 14:32
5042243029	SBI059:EQ BLANK:W100710	Water	10/07/10 16:13	10/08/10 14:32

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: SBI059
Pace Project No.: 5042243

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5042243001	SBI059:SW-9A:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042243002	SBI059:SW-10A:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042243003	SBI059:SW-11A:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042243004	SBI059:SW-11A:S005020A	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042243005	SBI059:SW-12A:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042243006	SBI059:SW-13A:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042243007	SBI059:SW-14A:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042243008	SBI059:SW-15A:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042243009	SBI059:SW-16A:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042243010	SBI059:SW-17A:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042243011	SBI059:SW-17A:S005020A	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042243012	SBI059:SW-18A:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042243013	SBI059:SW-19A:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042243014	SBI059:SW-1A:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042243015	SBI059:SW-2A:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042243016	SBI059:SW-3A:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042243017	SBI059:SW-4A:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042243018	SBI059:SW-5A:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042243019	SBI059:SW-6A:S005020	EPA 6010	FRW	1

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: SBI059
Pace Project No.: 5042243

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		ASTM D2974-87	KLS	1
5042243020	SBI059:SW-7A:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042243021	SBI059:SW-8A:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042243022	SBI059:BS-1A:S020020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042243023	SBI059:BS-2A:S020020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042243024	SBI059:BS-3A:S020020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042243025	SBI059:BS-4A:S020020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042243026	SBI059:BS-5A:S020020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042243027	SBI059:BS-6A:S020020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042243028	SBI059:BS-7A:S020020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042243029	SBI059:EQ BLANK:W100710	EPA 6010	FRW	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042243

Sample: SBI059:SW-9A:S005020 Lab ID: 5042243001 Collected: 10/07/10 12:51 Received: 10/08/10 14:32 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Lead	234	mg/kg	2.0	1	10/11/10 00:00	10/13/10 00:24	7439-92-1	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	3.2	%	0.10	1		10/11/10 16:03		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042243

Sample: SBI059:SW-10A:S005020 Lab ID: 5042243002 Collected: 10/07/10 12:55 Received: 10/08/10 14:32 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Lead	223	mg/kg	1.9	1	10/11/10 00:00	10/13/10 01:04	7439-92-1	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	3.6	%	0.10	1		10/11/10 16:04		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042243

Sample: SBI059:SW-11A:S005020 Lab ID: 5042243003 Collected: 10/07/10 13:08 Received: 10/08/10 14:32 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	290	mg/kg	1.9	1	10/11/10 00:00	10/13/10 01:09	7439-92-1	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	2.2	%	0.10	1		10/11/10 16:04		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042243

Sample: SBI059:SW-11A:S005020A Lab ID: 5042243004 Collected: 10/07/10 13:08 Received: 10/08/10 14:32 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Lead	246	mg/kg	2.0	1	10/11/10 00:00	10/13/10 01:15	7439-92-1	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	2.5	%	0.10	1		10/11/10 16:05		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042243

Sample: SBI059:SW-12A:S005020 Lab ID: 5042243005 Collected: 10/07/10 13:14 Received: 10/08/10 14:32 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Lead	315	mg/kg	2.0	1	10/11/10 00:00	10/13/10 01:21	7439-92-1	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	3.8	%	0.10	1		10/11/10 16:05		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042243

Sample: SBI059:SW-13A:S005020 Lab ID: 5042243006 Collected: 10/07/10 13:18 Received: 10/08/10 14:32 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Lead	3.3	mg/kg	1.8	1	10/11/10 00:00	10/13/10 01:27	7439-92-1	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	3.4	%	0.10	1		10/11/10 16:05		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042243

Sample: SBI059:SW-14A:S005020 Lab ID: 5042243007 Collected: 10/07/10 13:22 Received: 10/08/10 14:32 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Lead	735	mg/kg	1.7	1	10/11/10 00:00	10/13/10 01:32	7439-92-1	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	1.2	%	0.10	1		10/11/10 16:05		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042243

Sample: SBI059:SW-15A:S005020 Lab ID: 5042243008 Collected: 10/07/10 13:29 Received: 10/08/10 14:32 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	210	mg/kg	1.8	1	10/11/10 00:00	10/13/10 01:38	7439-92-1	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	0.76	%	0.10	1		10/11/10 16:06		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042243

Sample: SBI059:SW-16A:S005020 Lab ID: 5042243009 Collected: 10/07/10 13:34 Received: 10/08/10 14:32 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Lead	1530	mg/kg	2.0	1	10/11/10 00:00	10/13/10 01:44	7439-92-1	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	1.7	%	0.10	1		10/11/10 16:06		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042243

Sample: SBI059:SW-17A:S005020 Lab ID: 5042243010 Collected: 10/07/10 13:40 Received: 10/08/10 14:32 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Lead	550	mg/kg	1.8	1	10/11/10 00:00	10/13/10 01:50	7439-92-1	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	4.4	%	0.10	1		10/11/10 16:06		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042243

Sample: SBI059:SW-17A:S005020A **Lab ID:** 5042243011 Collected: 10/07/10 13:40 Received: 10/08/10 14:32 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	364	mg/kg	1.7	1	10/11/10 00:00	10/13/10 01:55	7439-92-1	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	2.0	%	0.10	1	10/11/10 16:07			

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042243

Sample: SBI059:SW-18A:S005020 Lab ID: 5042243012 Collected: 10/07/10 13:46 Received: 10/08/10 14:32 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Lead	131	mg/kg	1.8	1	10/11/10 00:00	10/13/10 02:18	7439-92-1	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	3.1	%	0.10	1		10/11/10 16:07		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042243

Sample: SBI059:SW-19A:S005020 Lab ID: 5042243013 Collected: 10/07/10 13:57 Received: 10/08/10 14:32 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	396	mg/kg	1.8	1	10/11/10 00:00	10/13/10 02:24	7439-92-1	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	3.7	%	0.10	1		10/11/10 16:08		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042243

Sample: SBI059:SW-1A:S005020 Lab ID: 5042243014 Collected: 10/07/10 14:01 Received: 10/08/10 14:32 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Lead	1400	mg/kg	1.9	1	10/11/10 00:00	10/13/10 02:30	7439-92-1	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	0.89	%	0.10	1		10/11/10 16:08		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042243

Sample: SBI059:SW-2A:S005020 Lab ID: 5042243015 Collected: 10/07/10 14:06 Received: 10/08/10 14:32 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Lead	755	mg/kg	1.7	1	10/11/10 00:00	10/13/10 02:35	7439-92-1	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	1.1	%	0.10	1		10/11/10 16:08		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042243

Sample: SBI059:SW-3A:S005020 **Lab ID: 5042243016** Collected: 10/07/10 14:14 Received: 10/08/10 14:32 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	108	mg/kg	1.8	1	10/11/10 00:00	10/13/10 02:41	7439-92-1	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	0.81	%	0.10	1		10/11/10 16:08		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042243

Sample: SBI059:SW-4A:S005020 Lab ID: 5042243017 Collected: 10/07/10 14:25 Received: 10/08/10 14:32 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Lead	163	mg/kg	1.9	1	10/11/10 00:00	10/13/10 02:47	7439-92-1	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	9.3	%	0.10	1		10/11/10 16:08		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042243

Sample: SBI059:SW-5A:S005020 Lab ID: 5042243018 Collected: 10/07/10 14:30 Received: 10/08/10 14:32 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	275	mg/kg	2.2	1	10/11/10 00:00	10/13/10 02:53	7439-92-1	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	9.0	%	0.10	1	10/11/10 16:09			

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042243

Sample: SBI059:SW-6A:S005020 Lab ID: 5042243019 Collected: 10/07/10 14:33 Received: 10/08/10 14:32 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Lead	107	mg/kg	1.9	1	10/11/10 00:00	10/13/10 02:58	7439-92-1	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	9.1	%	0.10	1		10/11/10 16:09		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042243

Sample: SBI059:SW-7A:S005020 Lab ID: 5042243020 Collected: 10/07/10 14:36 Received: 10/08/10 14:32 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	398	mg/kg	1.9	1	10/11/10 00:00	10/13/10 03:04	7439-92-1	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	10.5	%	0.10	1		10/11/10 16:09		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042243

Sample: SBI059:SW-8A:S005020 Lab ID: 5042243021 Collected: 10/07/10 14:40 Received: 10/08/10 14:32 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Lead	530	mg/kg	2.0	1	10/11/10 00:00	10/13/10 03:33	7439-92-1	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	6.7	%	0.10	1		10/11/10 16:14		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042243

Sample: SBI059:BS-1A:S020020 Lab ID: 5042243022 Collected: 10/07/10 15:21 Received: 10/08/10 14:32 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Lead	5.6	mg/kg	1.8	1	10/11/10 00:00	10/13/10 03:38	7439-92-1	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	5.8	%	0.10	1		10/11/10 16:14		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042243

Sample: SBI059:BS-2A:S020020 **Lab ID: 5042243023** Collected: 10/07/10 15:26 Received: 10/08/10 14:32 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Lead	14.3	mg/kg	2.0	1	10/11/10 00:00	10/13/10 03:44	7439-92-1	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	17.0	%	0.10	1		10/11/10 16:14		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042243

Sample: SBI059:BS-3A:S020020 **Lab ID: 5042243024** Collected: 10/07/10 15:31 Received: 10/08/10 14:32 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Lead	7.9	mg/kg	2.0	1	10/11/10 00:00	10/13/10 03:50	7439-92-1	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	11.1	%	0.10	1		10/11/10 16:14		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042243

Sample: SBI059:BS-4A:S020020 Lab ID: 5042243025 Collected: 10/07/10 15:39 Received: 10/08/10 14:32 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	7.2	mg/kg	1.9	1	10/11/10 00:00	10/13/10 03:56	7439-92-1	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	7.5	%	0.10	1		10/11/10 16:14		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042243

Sample: SBI059:BS-5A:S020020 Lab ID: 5042243026 Collected: 10/07/10 15:47 Received: 10/08/10 14:32 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Lead	10.4	mg/kg	2.1	1	10/11/10 00:00	10/13/10 04:01	7439-92-1	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	7.1	%	0.10	1		10/11/10 16:15		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042243

Sample: SBI059:BS-6A:S020020 Lab ID: 5042243027 Collected: 10/07/10 15:54 Received: 10/08/10 14:32 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	9.9	mg/kg	1.9	1	10/11/10 00:00	10/13/10 04:47	7439-92-1	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	10.6	%	0.10	1	10/11/10 16:15			

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042243

Sample: SBI059:BS-7A:S020020 Lab ID: 5042243028 Collected: 10/07/10 15:58 Received: 10/08/10 14:32 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Lead	243	mg/kg	1.9	1	10/11/10 00:00	10/13/10 04:53	7439-92-1	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	6.3	%	0.10	1		10/11/10 16:15		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042243

Sample: SBI059:EQ **Lab ID: 5042243029** Collected: 10/07/10 16:13 Received: 10/08/10 14:32 Matrix: Water
BLANK:W100710

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Lead	ND	ug/L	10.0	1	10/11/10 00:00	10/12/10 21:44	7439-92-1	

QUALITY CONTROL DATA

Project: SBI059
Pace Project No.: 5042243

QC Batch: MPRP/6509 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 5042243001, 5042243002, 5042243003, 5042243004, 5042243005, 5042243006, 5042243007, 5042243008, 5042243009, 5042243010, 5042243011, 5042243012, 5042243013, 5042243014, 5042243015, 5042243016, 5042243017, 5042243018, 5042243019, 5042243020

METHOD BLANK: 493469 Matrix: Solid
Associated Lab Samples: 5042243001, 5042243002, 5042243003, 5042243004, 5042243005, 5042243006, 5042243007, 5042243008, 5042243009, 5042243010, 5042243011, 5042243012, 5042243013, 5042243014, 5042243015, 5042243016, 5042243017, 5042243018, 5042243019, 5042243020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	ND	2.0	10/13/10 00:12	

LABORATORY CONTROL SAMPLE: 493470

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	50	49.5	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 493471 493472

Parameter	Units	5042243001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	234	51.7	51.1	270	212	69	-42	75-125	24	20	2d,P6

QUALITY CONTROL DATA

Project: SBI059
Pace Project No.: 5042243

QC Batch: MPRP/6510 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 5042243021, 5042243022, 5042243023, 5042243024, 5042243025, 5042243026, 5042243027, 5042243028

METHOD BLANK: 493473 Matrix: Solid
Associated Lab Samples: 5042243021, 5042243022, 5042243023, 5042243024, 5042243025, 5042243026, 5042243027, 5042243028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	ND	2.0	10/13/10 03:21	

LABORATORY CONTROL SAMPLE: 493474

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	50	50.2	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 493475 493476

Parameter	Units	5042243026		5042243027		5042243028		% Rec Limits	Max RPD	Qual
		MS Result	MS Spike Conc.	MS Result	MS Spike Conc.	MS Result	MS Spike Conc.			
Lead	mg/kg	10.4	48.4	51.8	54.0	61.8	90	99	75-125	13 20

QUALITY CONTROL DATA

Project: SBI059
Pace Project No.: 5042243

QC Batch: MPRP/6508 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 5042243029

METHOD BLANK: 493316 Matrix: Water
Associated Lab Samples: 5042243029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	10.0	10/12/10 21:32	

LABORATORY CONTROL SAMPLE: 493317

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1000	1010	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 493318 493319

Parameter	Units	5042123001		MSD		MS		MSD		% Rec Limits	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec				
Lead	ug/L	ND	1000	1000	970	974	97	97	75-125	.4	20	

QUALITY CONTROL DATA

Project: SBI059
Pace Project No.: 5042243

QC Batch:	PMST/5201	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	5042243001, 5042243002, 5042243003, 5042243004, 5042243005, 5042243006, 5042243007, 5042243008, 5042243009, 5042243010, 5042243011, 5042243012, 5042243013, 5042243014, 5042243015, 5042243016, 5042243017, 5042243018, 5042243019, 5042243020		

SAMPLE DUPLICATE: 493465

Parameter	Units	5042243001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	3.2	3.2	.07	5	

SAMPLE DUPLICATE: 493466

Parameter	Units	5042243020 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10.5	10.6	.6	5	

QUALITY CONTROL DATA

Project: SBI059
Pace Project No.: 5042243

QC Batch: PMST/5203 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 5042243021, 5042243022, 5042243023, 5042243024, 5042243025, 5042243026, 5042243027, 5042243028

SAMPLE DUPLICATE: 493495

Parameter	Units	5042243026 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.1	7.1	.1	5	

SAMPLE DUPLICATE: 493496

Parameter	Units	5042267028 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	9.7	9.7	0	5	

QUALIFIERS

Project: SBI059

Pace Project No.: 5042243

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

2d RPD is outside of control limits due to sample non-homogeneity. FRW 10-13-10

P6 Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

CHAIN OF CUSTODY RECORD

Dublin, OH
 6397 Emerald Parkway
 Suite 200
 Dublin, OH 43016
 Phone: (614) 793-8777
 Fax: (614) 793-9070

Indianapolis, IN
 6330 E. 75th St.
 Suite 178
 Indianapolis, IN 46250
 Phone: (317) 558-0558
 Fax: (317) 558-0553

Mason, OH
 4900 Parkway Dr.
 Suite 100
 Mason, OH 45040
 Phone: (513) 459-9877
 Fax: (513) 459-9869

Solon, OH
 6161 Cochran Road
 Suite D
 Solon, OH 44139
 Phone: (440) 519-2555
 Fax: (440) 519-2560

Toledo, OH
 3401 Glendale Ave.
 Suite 300
 Toledo, OH 43614
 Phone: (419) 385-2018
 Fax: (419) 385-5487

REPORT TO: Doug Stewart 4 day turnaround

Client: City of South Bend
 Site: Norfolk site
 Project #: S8109 Phase: _____
 Samplers: Luke Wright

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE & ID	NO. OF METALS	COLLECTION DATE/TIME	COMMENTS	ANALYSES														
						PRESERVATIVES				METALS										
S8109	SW-9A	S005-020	2	10/7/10 12:51																
	SW-10A																			
	SW-11A																			
	SW-11A Dup																			
	SW-12A																			
	SW-13A																			
	SW-14A																			
	SW-15A																			
	SW-16A																			
	SW-17A																			
	SW-17A(Dup)																			
	SW-18A																			

RELINQUISHED BY:	DATE: 10/7/10	TIME: 16:31	RECEIVED BY:	DATE: 10-8-10	TIME: 2:32
RELINQUISHED BY:			RECEIVED BY:		
RELINQUISHED BY:			RECEIVED FOR LAB BY:		

COOLER TEMPERATURE AS RECEIVED: 3.0°C
 DELIVER TO: _____
 METHOD OF DELIVERY: _____
 AIRBILL NUMBER: _____
 NOTES: 11/4
 TURN AROUND TIME: _____ DAYS

500043

Lead

CHAIN OF CUSTODY RECORD

NO. _____

Dublin, OH
6397 Emerald Parkway
Suite 200
Dublin, OH 43016
Phone: (614) 793-9777
Fax: (614) 793-9070

Indianapolis, IN
6330 E. 75th St.
Suite 176
Indianapolis, IN 46250
Phone: (317) 558-0558
Fax: (317) 558-0553

Mason, OH
4900 Parkway Dr.
Suite 100
Mason, OH 45040
Phone: (513) 459-9877
Fax: (513) 459-9869

Solon, OH
6161 Cochran Road
Suite D
Solon, OH 44139
Phone: (440) 519-2555
Fax: (440) 519-2580

Toledo, OH
3401 Glendale Ave.
Suite 300
Toledo, OH 43614
Phone: (419) 385-2018
Fax: (419) 385-5487

REPORT TO: Doug Stewart

Client: City of South Bend
Site: Norfolk
Project #: SB1059 Phase: _____
Samplers: hulk Wright

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE & ID	NO. OF METALS CONT.	COLLECTION DATE/TIME	COMMENTS
SB1059	SW-19A	S005-020	2	10/7/10 1357	-013
	SW-20A			1401	-014
	SW-2A			1406	-015
	SW-3A			1414	-016
	SW-4A			1425	-017
	SW-5A			1470	-018
	SW-6A			1433	-019
	SW-7A			1456	-020
	SW-8A			1440	-021
	BS-1A	S020-020		1521	-022
	BS-2A			1526	-023
	BS-3A			1531	-024

- SAMPLE TYPES**
A - AIR
B - ASBESTOS
C - SEDIMENT
D - GROUNDWATER
E - PRODUCT
F - SOIL
G - WATER
H - OTHERS
- PRESERVATIVES**
A - Cool only, <4 deg. C
B - HNO₃ pH<2
C - H₂SO₄ pH<2
D - NaOH pH>12
E - ZnAcetate + NaOH, pH>8
F - 1% S O (0.008%)
G - HCL, pH <2
- METALS**
M - NOT FILTERED
N - FILTERED
B - BOTH

All samples are kept at 4 degrees Celsius.

RELINQUISHED BY: _____ DATE: 10/7/10 TIME: 16:31

RELINQUISHED BY: _____ DATE: 2/3/11 TIME: 2:32

RECEIVED FOR LAB BY: _____ DATE: _____ TIME: _____

DELIVER TO: _____ DATE: 10-8-10

METHOD OF DELIVERY: _____ TIME: 2:32

AIRBILL NUMBER: _____ DATE: _____ TIME: _____

NOTES: WNY

COOLER TEMPERATURE AS RECEIVED: 3.0 °C

DISTRIBUTION: - LAB USE (MUST BE RETURNED WITH REPORT)
WHITE - LAB USE
YELLOW - LAB USE
PINK - RETAINED BY HULL

TURN AROUND TIME: _____ DAYS

CHAIN OF CUSTODY RECORD

NO.

Dublin, OH 6397 Emerald Parkway Suite 200 Dublin, OH 43016 Phone: (614) 793-8777 Fax: (614) 793-9070
 Indianapolis, IN 6330 E. 75th St. Suite 176 Indianapolis, IN 46250 Phone: (317) 558-0558 Fax: (317) 558-0553
 Mason, OH 4800 Parkway Dr. Suite 100 Mason, OH 45040 Phone: (513) 459-9677 Fax: (513) 459-9669
 Solon, OH 5161 Cochran Road Suite D Solon, OH 44139 Phone: (440) 519-2555 Fax: (440) 519-2560
 Toledo, OH 3401 Glendale Ave. Suite 300 Toledo, OH 43614 Phone: (419) 385-2018 Fax: (419) 385-5487

REPORT TO: Doug Stuart
 Client: City of South Bend
 Site: Norfolk
 Project #: SB1051 Phase: _____
 Samplers: Luke Wright

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE & ID	NO. OF CONT.	METALS	COLLECTION DATE/TIME	ANALYSES	COMMENTS
SB1051	BS-4A	S020-020	2	✓	10/7/10 1537		-015
	BS-5A	↓	4	✓	1547		* MS/MSD - 026
	BS-6A	S020-020	2	✓	1554		-017
	BS-7A	S020-020	↓	✓	1558		-028
	Equipment Blank	Equipment Blank	1	✓	1613		Not needed -029

PRESERVATIVES: (none)
 METALS: (none)
 ANALYSES: (none)

- SAMPLE TYPES: A-AIR, B-ASBESTOS, C-SEDIMENT, D-GROUNDWATER, E-SOIL, F-WATER, G-OTHERS
 PRESERVATIVES: A-Cool only, B-HNO3 pH2, C-H2SO4 pH2, D-NaOH pH12, E-ZnAcetate + NaOH, F-Na2S O (0.008%), G-HCL pH <2
 METALS: A-CADMIUM, B-COPPER, C-CHROMIUM, D-LEAD, E-MANGANESE, F-NICKEL, G-SILICA, H-SILVER, I-ZINC, J-IRON, K-NOT FILTERED, L-BOTH

All samples are kept at 4 degrees Celsius.

RELINQUISHED BY: The Wright DATE: 10/7/10 TIME: 630
 RELINQUISHED BY: _____ DATE: _____ TIME: _____
 RELINQUISHED BY: _____ DATE: _____ TIME: _____
 RECEIVED BY: Janey DATE: 10-8-10 TIME: 2:32
 RECEIVED BY: _____ DATE: _____ TIME: _____
 RECEIVED FOR LAB BY: _____ DATE: _____ TIME: _____

COOLER TEMPERATURE AS RECEIVED: 3.0 °C

DISTRIBUTION: LAB USE (MUST BE RETURNED WITH REPORT)
 WHITE
 YELLOW
 PINK

Deliver To: _____
 Method of Delivery: _____
 Airbill Number: _____
 NOTES: W14
 TURN AROUND TIME: _____ DAYS



Sample Condition Upon Receipt

Client Name: Hull & Assoc

Project # 504243

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____
Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer Used 1 2 3 4 6 A B C D E Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature 3.0 Ice Visible in Sample Containers: yes no
Temp should be above freezing to 6°C

Date and Initials of person examining contents: 10-8-10 JS

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	5.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
All containers needing preservation have been pH checked? exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	10.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Project Manager Review		
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.

Client Notification/ Resolution: _____ Field Data Required? Y / N
Person Contacted: _____ Date/Time: _____
Comments/ Resolution: _____

Project Manager Review: *Kenneth Hunt* Date: 10/8/10

CLIENT: Hull & Assoc

Sample Container Count



COC PAGE 1 of 3
 COC ID# _____

Project # 5042243

Sample Line Item	DG9H	AG1U	WG9U	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	Comments
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													

Container Codes	DG9H	40mL HCL	amber vial	AF	Air Filter	BP1N	1 liter HNO3	plastic	DG9P	40mL TSP	amber vial
	AG1U	1 liter unpreserved	amber glass	AG1H	1 liter HCL	BP1S	1 liter H2SO4	plastic	DG9S	40mL H2SO4	amber vial
	WG9U	4oz clear soil jar		AG1S	1 liter H2SO4	BP1U	1 liter unpreserved	plastic	DG9T	40mL Na Thio	amber vial
	R	terra core kit		AG1T	1 liter Na Thiosulfate	BP1Z	1 liter NaOH, Zn, Ac		DG9U	40mL unpreserved	amber vial
	BP2N	500mL HNO3	plastic	AG2N	500mL HNO3	BP2A	500mL NaOH, Asc Acid	plastic		Wipe/Swab	
	BP2U	500mL unpreserved	plastic	AG2S	500mL H2SO4	BP2O	500mL NaOH	plastic	JGFU	4oz unpreserved	amber wide
	BP2S	500mL H2SO4	plastic	AG2U	500mL unpreserved	BP2Z	500mL NaOH, Zn Ac		U	Summa Can	
	BP3N	250mL HNO3	plastic	AG3U	250mL unpreserved	BP3A	250mL NaOH, Asc Acid	plastic	VG9H	40mL HCL	clear vial
	BP3U	250mL unpreserved	plastic	BG1H	1 liter HCL	BP3C	250mL NaOH	plastic	VG9T	40mL Na Thio.	clear vial
	BP3S	250mL H2SO4	plastic	BG1S	1 liter H2SO4	BP3Z	250mL NaOH, Zn Ac	plastic	VG9U	40mL unpreserved	clear vial
	AG3S	250mL H2SO4	glass amber	BG1T	1 liter Na Thiosulfate	C	Air Cassettes		VSG	Headspace septa	vial & HCL
	AG1S	1 liter H2SO4	amber glass	BG1U	1 liter unpreserved	DG9B	40mL Na Bisulfate	amber vial	WGFX	4oz wide jar	w/hexane wipe
	BP1U	1 liter unpreserved	plastic	BP1A	1 liter NaOH, Asc Acid	DG9M	40mL MeOH	clear vial	ZPLC	Ziploc Bag	

Sample Container Count

CLIENT: Will & Assoc

COC PAGE 2 of 3
 COC ID# _____

Project # SD42243



Sample Line Item	DG9H	AG1U	WG9H	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	Comments
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													

Container Codes	40mL HCL amber vial	AF	Air Filter	BP1N	DG9P	DG9S	DG9T	DG9U	DG9V	DG9W	DG9X	DG9Y	DG9Z
DG9H	40mL HCL amber vial	AF	Air Filter	BP1N	DG9P	DG9S	DG9T	DG9U	DG9V	DG9W	DG9X	DG9Y	DG9Z
AG1U	1 liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	DG9P	DG9S	DG9T	DG9U	DG9V	DG9W	DG9X	DG9Y	DG9Z
WG9H	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	DG9P	DG9S	DG9T	DG9U	DG9V	DG9W	DG9X	DG9Y	DG9Z
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	DG9P	DG9S	DG9T	DG9U	DG9V	DG9W	DG9X	DG9Y	DG9Z
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	DG9P	DG9S	DG9T	DG9U	DG9V	DG9W	DG9X	DG9Y	DG9Z
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	DG9P	DG9S	DG9T	DG9U	DG9V	DG9W	DG9X	DG9Y	DG9Z
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	DG9P	DG9S	DG9T	DG9U	DG9V	DG9W	DG9X	DG9Y	DG9Z
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3A	DG9P	DG9S	DG9T	DG9U	DG9V	DG9W	DG9X	DG9Y	DG9Z
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	DG9P	DG9S	DG9T	DG9U	DG9V	DG9W	DG9X	DG9Y	DG9Z
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	DG9P	DG9S	DG9T	DG9U	DG9V	DG9W	DG9X	DG9Y	DG9Z
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	DG9P	DG9S	DG9T	DG9U	DG9V	DG9W	DG9X	DG9Y	DG9Z
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	DG9P	DG9S	DG9T	DG9U	DG9V	DG9W	DG9X	DG9Y	DG9Z
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	DG9P	DG9S	DG9T	DG9U	DG9V	DG9W	DG9X	DG9Y	DG9Z

Sample Container Count

CLIENT: Hill Assoc



COC PAGE 3 of 3

Project # 5042243

COC ID# _____

Sample Line Item	DG9H	AG1U	WG FU R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	Comments
1			2									
2			4									
3			2									
4			2									
5			2									
6												
7												
8												
9												
10												
11												
12												

Container Codes

DG9H	40mL HCL amber vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1 liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WG FU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic		1 Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3A	250mL NaOH, Asc Acid plastic	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

October 14, 2010

Mr. Doug Stuart
Hull & Associates
6435 Castleway West Drive
Suite 119
Indianapolis, IN 46250

RE: Project: SBI059
Pace Project No.: 5042267

Dear Mr. Stuart:

Enclosed are the analytical results for sample(s) received by the laboratory on October 09, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kenneth Hunt

kenneth.hunt@pacelabs.com
Project Manager

Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana Certification #: 04076
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

Enclosures

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: SBI059
Pace Project No.: 5042267

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5042267001	SBI059:SW-1B:S005020	Solid	10/08/10 11:56	10/09/10 10:46
5042267002	SBI059:SW-2B:S005020	Solid	10/08/10 11:59	10/09/10 10:46
5042267003	SBI059:SW-3B:S005020	Solid	10/08/10 12:01	10/09/10 10:46
5042267004	SBI059:SW-4B:S005020	Solid	10/08/10 12:04	10/09/10 10:46
5042267005	SBI059:SW-5B:S005020	Solid	10/08/10 12:07	10/09/10 10:46
5042267006	SBI059:SW-6B:S005020	Solid	10/08/10 12:11	10/09/10 10:46
5042267007	SBI059:SW-7B:S005020	Solid	10/08/10 12:13	10/09/10 10:46
5042267008	SBI059:SW-8B:S005020	Solid	10/08/10 12:18	10/09/10 10:46
5042267009	SBI059:SW-9B:S005020	Solid	10/08/10 12:22	10/09/10 10:46
5042267010	SBI059:SW-10B:S005020	Solid	10/08/10 12:27	10/09/10 10:46
5042267011	SBI059:SW-11B:S005020	Solid	10/08/10 12:31	10/09/10 10:46
5042267012	SBI059:SW-12B:S005020	Solid	10/08/10 12:35	10/09/10 10:46
5042267013	SBI059:SW-8B:S005020A	Solid	10/08/10 12:57	10/09/10 10:46
5042267014	SBI059:SW-17:S005020	Solid	10/08/10 13:22	10/09/10 10:46
5042267015	SBI059:SW-17:S005020A	Solid	10/08/10 13:22	10/09/10 10:46
5042267016	SBI059:SW-18:S005020	Solid	10/08/10 13:27	10/09/10 10:46
5042267017	SBI059:BS-4:S020020	Solid	10/08/10 13:49	10/09/10 10:46
5042267018	SBI059:BS-3:S020020	Solid	10/08/10 13:52	10/09/10 10:46
5042267019	SBI059:BS-2:S020020	Solid	10/08/10 13:56	10/09/10 10:46
5042267020	SBI059:BS-1:S020020	Solid	10/08/10 14:07	10/09/10 10:46
5042267021	SBI059:BS-5:S020020	Solid	10/08/10 14:11	10/09/10 10:46
5042267022	SBI059:BS-8:S020020	Solid	10/08/10 14:21	10/09/10 10:46
5042267023	SBI059:EQ-BLANK:W100810	Water	10/08/10 14:36	10/09/10 10:46
5042267024	SBI059:SW-13B:S005020	Solid	10/08/10 15:01	10/09/10 10:46
5042267025	SBI059:SW-14B:S005020	Solid	10/08/10 15:05	10/09/10 10:46
5042267026	SBI059:SW-15B:S005020	Solid	10/08/10 15:08	10/09/10 10:46
5042267027	SBI059:SW-16B:S005020	Solid	10/08/10 15:10	10/09/10 10:46
5042267028	SBI059:BS-6B:S020020	Solid	10/08/10 15:14	10/09/10 10:46
5042267029	SBI059:BS-7B:S020020	Solid	10/08/10 15:28	10/09/10 10:46

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: SBI059
Pace Project No.: 5042267

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5042267001	SBI059:SW-1B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042267002	SBI059:SW-2B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042267003	SBI059:SW-3B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042267004	SBI059:SW-4B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042267005	SBI059:SW-5B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042267006	SBI059:SW-6B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042267007	SBI059:SW-7B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042267008	SBI059:SW-8B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042267009	SBI059:SW-9B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042267010	SBI059:SW-10B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042267011	SBI059:SW-11B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042267012	SBI059:SW-12B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042267013	SBI059:SW-8B:S005020A	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042267014	SBI059:SW-17:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042267015	SBI059:SW-17:S005020A	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042267016	SBI059:SW-18:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042267017	SBI059:BS-4:S020020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042267018	SBI059:BS-3:S020020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042267019	SBI059:BS-2:S020020	EPA 6010	FRW	1

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: SBI059
Pace Project No.: 5042267

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5042267020	SBI059:BS-1:S020020	ASTM D2974-87	KLS	1
		EPA 6010	FRW	1
5042267021	SBI059:BS-5:S020020	ASTM D2974-87	KLS	1
		EPA 6010	FRW	1
5042267022	SBI059:BS-8:S020020	ASTM D2974-87	KLS	1
		EPA 6010	FRW	1
5042267023	SBI059:EQ-BLANK:W100810	ASTM D2974-87	KLS	1
5042267024	SBI059:SW-13B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042267025	SBI059:SW-14B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042267026	SBI059:SW-15B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042267027	SBI059:SW-16B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042267028	SBI059:BS-6B:S020020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042267029	SBI059:BS-7B:S020020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042267

Sample: SBI059:SW-1B:S005020 Lab ID: 5042267001 Collected: 10/08/10 11:56 Received: 10/09/10 10:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	368	mg/kg	2.1	1	10/11/10 00:00	10/12/10 17:12	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	3.5	%	0.10	1		10/11/10 16:10		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042267

Sample: SBI059:SW-2B:S005020 **Lab ID: 5042267002** Collected: 10/08/10 11:59 Received: 10/09/10 10:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	129	mg/kg	2.1	1	10/11/10 00:00	10/12/10 17:18	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	5.8	%	0.10	1		10/11/10 16:11		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042267

Sample: SBI059:SW-3B:S005020 **Lab ID: 5042267003** Collected: 10/08/10 12:01 Received: 10/09/10 10:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	17.5	mg/kg	2.3	1	10/11/10 00:00	10/12/10 17:23	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	15.2	%	0.10	1		10/11/10 16:11		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042267

Sample: SBI059:SW-4B:S005020 Lab ID: 5042267004 Collected: 10/08/10 12:04 Received: 10/09/10 10:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	7.1	mg/kg	2.0	1	10/11/10 00:00	10/12/10 17:29	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	8.0	%	0.10	1		10/11/10 16:11		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042267

Sample: SBI059:SW-5B:S005020 Lab ID: 5042267005 Collected: 10/08/10 12:07 Received: 10/09/10 10:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	64.7	mg/kg	2.1	1	10/11/10 00:00	10/12/10 17:46	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	6.5	%	0.10	1		10/11/10 16:11		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042267

Sample: SBI059:SW-6B:S005020 Lab ID: 5042267006 Collected: 10/08/10 12:11 Received: 10/09/10 10:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	27.5	mg/kg	1.8	1	10/11/10 00:00	10/12/10 17:52	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	3.7	%	0.10	1		10/11/10 16:11		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042267

Sample: SBI059:SW-7B:S005020 Lab ID: 5042267007 Collected: 10/08/10 12:13 Received: 10/09/10 10:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	25.2	mg/kg	2.0	1	10/11/10 00:00	10/12/10 17:58	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	4.5	%	0.10	1		10/11/10 16:11		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042267

Sample: SBI059:SW-8B:S005020 Lab ID: 5042267008 Collected: 10/08/10 12:18 Received: 10/09/10 10:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	142	mg/kg	2.0	1	10/11/10 00:00	10/12/10 18:03	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	4.2	%	0.10	1		10/11/10 16:12		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042267

Sample: SBI059:SW-9B:S005020 Lab ID: 5042267009 Collected: 10/08/10 12:22 Received: 10/09/10 10:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	15.7	mg/kg	2.0	1	10/11/10 00:00	10/12/10 18:09	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	2.7	%	0.10	1		10/11/10 16:12		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042267

Sample: SBI059:SW-10B:S005020 Lab ID: 5042267010 Collected: 10/08/10 12:27 Received: 10/09/10 10:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	8.7	mg/kg	2.0	1	10/11/10 00:00	10/12/10 18:15	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	4.2	%	0.10	1		10/11/10 16:12		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042267

Sample: SBI059:SW-11B:S005020 Lab ID: 5042267011 Collected: 10/08/10 12:31 Received: 10/09/10 10:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	25.1	mg/kg	2.0	1	10/11/10 00:00	10/12/10 18:20	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	2.9	%	0.10	1		10/11/10 16:12		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042267

Sample: SBI059:SW-12B:S005020 Lab ID: 5042267012 Collected: 10/08/10 12:35 Received: 10/09/10 10:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	17.5	mg/kg	2.0	1	10/11/10 00:00	10/12/10 18:26	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	3.3	%	0.10	1		10/11/10 16:12		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042267

Sample: SBI059:SW-8B:S005020A **Lab ID: 5042267013** Collected: 10/08/10 12:57 Received: 10/09/10 10:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	207	mg/kg	2.1	1	10/11/10 00:00	10/12/10 18:32	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	6.0	%	0.10	1		10/11/10 16:12		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042267

Sample: SBI059:SW-17:S005020 Lab ID: 5042267014 Collected: 10/08/10 13:22 Received: 10/09/10 10:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	16.3	mg/kg	2.0	1	10/11/10 00:00	10/12/10 18:38	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	4.9	%	0.10	1		10/11/10 16:12		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042267

Sample: SBI059:SW-17:S005020A Lab ID: 5042267015 Collected: 10/08/10 13:22 Received: 10/09/10 10:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	338	mg/kg	2.1	1	10/11/10 00:00	10/12/10 19:00	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	6.0	%	0.10	1		10/11/10 16:12		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042267

Sample: SBI059:SW-18:S005020 Lab ID: 5042267016 Collected: 10/08/10 13:27 Received: 10/09/10 10:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	37.2	mg/kg	2.0	1	10/11/10 00:00	10/12/10 19:06	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	2.0	%	0.10	1		10/11/10 16:13		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042267

Sample: SBI059:BS-4:S020020 **Lab ID: 5042267017** Collected: 10/08/10 13:49 Received: 10/09/10 10:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	5.7	mg/kg	2.1	1	10/11/10 00:00	10/12/10 19:12	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	9.6	%	0.10	1		10/11/10 16:13		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042267

Sample: SBI059:BS-3:S020020 **Lab ID: 5042267018** Collected: 10/08/10 13:52 Received: 10/09/10 10:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	3.9	mg/kg	2.1	1	10/11/10 00:00	10/12/10 19:17	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	6.8	%	0.10	1		10/11/10 16:13		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042267

Sample: SBI059:BS-2:S020020 **Lab ID: 5042267019** Collected: 10/08/10 13:56 Received: 10/09/10 10:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	2.2	mg/kg	1.8	1	10/11/10 00:00	10/12/10 19:46	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	2.7	%	0.10	1		10/11/10 16:14		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042267

Sample: SBI059:BS-1:S020020 **Lab ID: 5042267020** Collected: 10/08/10 14:07 Received: 10/09/10 10:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	7.9	mg/kg	2.0	1	10/11/10 00:00	10/12/10 19:52	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	5.6	%	0.10	1		10/11/10 16:14		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042267

Sample: SBI059:BS-5:S020020 **Lab ID:** 5042267021 Collected: 10/08/10 14:11 Received: 10/09/10 10:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	5.0	mg/kg	2.0	1	10/11/10 00:00	10/12/10 15:35	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	5.2	%	0.10	1		10/11/10 16:15		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042267

Sample: SBI059:BS-8:S020020 **Lab ID: 5042267022** Collected: 10/08/10 14:21 Received: 10/09/10 10:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	14.4	mg/kg	2.1	1	10/11/10 00:00	10/12/10 16:03	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	5.5	%	0.10	1		10/11/10 16:15		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042267

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: SBI059:EQ-BLANK:W100810								
Lab ID: 5042267023								
Collected: 10/08/10 14:36 Received: 10/09/10 10:46 Matrix: Water								
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND	ug/L	10.0	1	10/11/10 00:00	10/12/10 21:49	7440-38-2	

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042267

Sample: SBI059:SW-13B:S005020 Lab ID: 5042267024 Collected: 10/08/10 15:01 Received: 10/09/10 10:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	4.4	mg/kg	1.8	1	10/11/10 00:00	10/12/10 16:09	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	5.7	%	0.10	1		10/11/10 16:15		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042267

Sample: SBI059:SW-14B:S005020 Lab ID: 5042267025 Collected: 10/08/10 15:05 Received: 10/09/10 10:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	9.3	mg/kg	1.8	1	10/11/10 00:00	10/12/10 16:15	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	2.9	%	0.10	1		10/11/10 16:16		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042267

Sample: SBI059:SW-15B:S005020 Lab ID: 5042267026 Collected: 10/08/10 15:08 Received: 10/09/10 10:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	11.3	mg/kg	2.0	1	10/11/10 00:00	10/12/10 16:38	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	3.3	%	0.10	1		10/11/10 16:16		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042267

Sample: SBI059:SW-16B:S005020 Lab ID: 5042267027 Collected: 10/08/10 15:10 Received: 10/09/10 10:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	143	mg/kg	2.1	1	10/11/10 00:00	10/12/10 16:43	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	6.9	%	0.10	1		10/11/10 16:16		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042267

Sample: SBI059:BS-6B:S020020 Lab ID: 5042267028 Collected: 10/08/10 15:14 Received: 10/09/10 10:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	6.6	mg/kg	2.0	1	10/11/10 00:00	10/12/10 16:49	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	9.7	%	0.10	1		10/11/10 16:16		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042267

Sample: SBI059:BS-7B:S020020 **Lab ID: 5042267029** Collected: 10/08/10 15:28 Received: 10/09/10 10:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	22.0	mg/kg	2.1	1	10/11/10 00:00	10/12/10 16:55	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	6.5	%	0.10	1		10/12/10 14:55		

QUALITY CONTROL DATA

Project: SBI059

Pace Project No.: 5042267

QC Batch: MPRP/6506 Analysis Method: EPA 6010
 QC Batch Method: EPA 3050 Analysis Description: 6010 MET
 Associated Lab Samples: 5042267001, 5042267002, 5042267003, 5042267004, 5042267005, 5042267006, 5042267007, 5042267008, 5042267009, 5042267010, 5042267011, 5042267012, 5042267013, 5042267014, 5042267015, 5042267016, 5042267017, 5042267018, 5042267019, 5042267020

METHOD BLANK: 493300 Matrix: Solid
 Associated Lab Samples: 5042267001, 5042267002, 5042267003, 5042267004, 5042267005, 5042267006, 5042267007, 5042267008, 5042267009, 5042267010, 5042267011, 5042267012, 5042267013, 5042267014, 5042267015, 5042267016, 5042267017, 5042267018, 5042267019, 5042267020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	2.0	10/12/10 17:01	

LABORATORY CONTROL SAMPLE: 493301

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	51.4	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 493302 493303

Parameter	Units	5042267018 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	3.9	48.3	49.3	50.4	51.6	96	97	75-125	2	20	

QUALITY CONTROL DATA

Project: SBI059
Pace Project No.: 5042267

QC Batch: MPRP/6507 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 5042267021, 5042267022, 5042267024, 5042267025, 5042267026, 5042267027, 5042267028, 5042267029

METHOD BLANK: 493304 Matrix: Solid
Associated Lab Samples: 5042267021, 5042267022, 5042267024, 5042267025, 5042267026, 5042267027, 5042267028, 5042267029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	2.0	10/12/10 14:42	

LABORATORY CONTROL SAMPLE: 493305

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	51.3	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 493306 493307

Parameter	Units	5042267021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	5.0	51.7	50.2	55.7	54.0	98	97	75-125	3	20	

QUALITY CONTROL DATA

Project: SBI059
Pace Project No.: 5042267

QC Batch: MPRP/6508 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 5042267023

METHOD BLANK: 493316 Matrix: Water
Associated Lab Samples: 5042267023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	ND	10.0	10/12/10 21:32	

LABORATORY CONTROL SAMPLE: 493317

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	1000	1050	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 493318 493319

Parameter	Units	5042123001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	0.13 mg/L	1000	1000	1170	1180	104	104	75-125	.6	20	

QUALITY CONTROL DATA

Project: SBI059
Pace Project No.: 5042267

QC Batch: PMST/5202 Analysis Method: ASTM D2974-87
 QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
 Associated Lab Samples: 5042267001, 5042267002, 5042267003, 5042267004, 5042267005, 5042267006, 5042267007, 5042267008,
 5042267009, 5042267010, 5042267011, 5042267012, 5042267013, 5042267014, 5042267015, 5042267016,
 5042267017, 5042267018, 5042267019, 5042267020

SAMPLE DUPLICATE: 493489

Parameter	Units	5042267001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	3.5	3.5	0	5	

SAMPLE DUPLICATE: 493490

Parameter	Units	5042267018 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6.8	6.8	.1	5	

QUALITY CONTROL DATA

Project: SBI059
Pace Project No.: 5042267

QC Batch: PMST/5203 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 5042267021, 5042267022, 5042267024, 5042267025, 5042267026, 5042267027, 5042267028

SAMPLE DUPLICATE: 493495

Parameter	Units	5042243026 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.1	7.1	.1	5	

SAMPLE DUPLICATE: 493496

Parameter	Units	5042267028 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	9.7	9.7	0	5	

QUALITY CONTROL DATA

Project: SBI059
Pace Project No.: 5042267

QC Batch: PMST/5205 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 5042267029

SAMPLE DUPLICATE: 493839

Parameter	Units	5042253001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	44.4	44.2	.3	5	

SAMPLE DUPLICATE: 493840

Parameter	Units	5042205001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	15.4	15.4	0	5	

QUALIFIERS

Project: SBI059
Pace Project No.: 5042267

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

Hull

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REPORT TO: Dory Short

Client: City of South Bend
Site: Norfolk
Project #: 581051 Phase:
Samplers: Luke Wright

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE & ID	NO. OF METALS CONT.	METALS	COLLECTION DATE/TIME	COMMENTS
581051	SW-1B	5005-020	2	✓	10/8/10 1156	-001
	SW-2B				1159	-002
	SW-3B				1201	-003
	SW-4B				1204	-004
	SW-5B				1207	-005
	SW-6B				1211	-006
	SW-7B				1213	-007
	SW-8B				1218	-008
	SW-9B				1222	-009
	SW-10B				1227	-010
	SW-11B				1231	-011
	SW-12B				1235	-012

5042667

PRESERVATIVES

SAMPLE TYPES
A - AIR
C - ASBESTOS
D - SEDIMENT
G - GROUNDWATER
P - PRODUCT
S - SOIL
W - WATER
Z - OTHERS

PRESERVATIVES
A - Cool only, 4 deg. C
B - HCl's pH<2
C - H₂SO₄, pH<2
D - NaOH pH>12
E - ZnAcetate + NaOH, pH=8
F - Na₂S O (0.008%)
G - HCl, pH <2

METALS
F - FILTERED
N - NOT FILTERED
B - BOTH

All samples are kept at 4 degrees Celsius.

RELINQUISHED BY: [Signature] DATE: 10/9/10
RELINQUISHED BY: [Signature] TIME: 10:46
RELINQUISHED BY: _____ DATE: _____
RELINQUISHED BY: _____ DATE: _____

RECEIVED BY: James Jones DATE: 10-9-10
RECEIVED BY: _____ TIME: 10:46
RECEIVED BY: _____ DATE: _____
RECEIVED BY: _____ DATE: _____

RECEIVED FOR LAB BY: _____ DATE: _____
RECEIVED FOR LAB BY: _____ DATE: _____

COOLER TEMPERATURE AS RECEIVED: 1.2 °C

Deliver To: _____
Method of Delivery: _____
Airbill Number: _____
NOTES: _____
TURN AROUND TIME: _____ DAYS

DISTRIBUTION:
WHITE - LAB USE (MUST BE RETURNED WITH REPORT)
YELLOW - LAB USE
PINK - RETAINED BY HULL

CHAIN OF CUSTODY RECORD

NO.

Dublin, OH
6387 Emerald Parkway
Suite 200
Dublin, OH 43016
Phone: (614) 793-8777
Fax: (614) 793-9070

Indianapolis, IN
6380 E. 75th St.
Suite 176
Indianapolis, IN 46250
Phone: (317) 558-0558
Fax: (317) 558-0553

Mason, OH
4900 Parkway Dr.
Suite 100
Mason, OH 45040
Phone: (513) 459-9877
Fax: (513) 459-9869

Solon, OH
6181 Cochran Road
Suite D
Solon, OH 44139
Phone: (440) 519-2555
Fax: (440) 519-2560

Toledo, OH
3401 Glendale Ave.
Suite 300
Toledo, OH 43614
Phone: (419) 385-2018
Fax: (419) 385-5487

REPORT TO: Doug Stewart

Client: City of South Bend
Site: Nas Fdk
Project #: 521051 Phase: Weg
Samplers: boke Weg W

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE & ID	NO. OF METALS CONT.	METALS	COLLECTION DATE/TIME	COMMENTS
521051	52-9B(4P)	SD05-020	2	✓	10/8/10 10:57	Duplicate # -013
521051	52-17				1322	Duplicate # -014
	52-17(27)				1322	Duplicate # -015
	52-18	5220-020			1327	-016
	BS-4				1349	-017
	BS-5				1352	-018
	DS-2				1356	-019
	BS-1				1407	-020
	BS-5				1411	-021
	BS-9				1421	-022
		Equipment Blank	1	✓	1436	-023
		Trig Blank	2	✓		Not Needed

RELINQUISHED BY: [Signature] DATE: 10/9/10 TIME: 10:46

RECEIVED BY: James Jones DATE: 10-9-10 TIME: 10:46

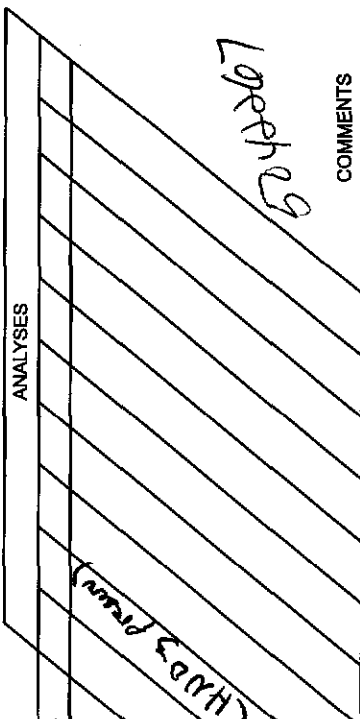
RELINQUISHED BY: _____ DATE: _____ TIME: _____

RECEIVED FOR LAB BY: _____ DATE: _____ TIME: _____

COOLER TEMPERATURE AS RECEIVED: 1.2 °C

DISTRIBUTION: LAB USE (MUST BE RETURNED WITH REPORT)
 WHITE
 YELLOW
 PINK
 - RETAINED BY HULL

Deliver To: _____
 Method of Delivery: _____
 Airbill Number: _____
 NOTES: _____
 TURN AROUND TIME: _____ DAYS



ANALYSES

PRESERVATIVES

METALS
 FILTERED
 N - NOT FILTERED
 B - BOTH

SAMPLE TYPES
 A - AIR
 C - ASBESTOS
 D - SEDIMENT
 G - GROUNDWATER
 P - PRODUCT
 S - SOIL
 W - WATER
 Z - OTHERS

PRESERVATIVES
 A - Cool only, < 4 deg. C
 B - HNO3 pH<2
 C - H2SO4 pH<2
 D - NaOH pH>12
 E - ZnAcetate + NaOH, pH>9
 F - Na2S O (0.008%)
 G - HCL pH <2

COLLECTION DATE/TIME

NO. OF METALS CONT.

METALS

COMMENTS

604267

Acetic (H2O) 100%



& associates, inc.

CHAIN OF CUSTODY RECORD

NO. _____

Dublin, OH
 6337 Emerald Parkway
 Suite 200
 Dublin, OH 43016
 Phone: (614) 793-8777
 Fax: (614) 793-9070

Indianapolis, IN
 6330 E. 75th St.
 Suite 176
 Indianapolis, IN 46250
 Phone: (317) 558-0558
 Fax: (317) 558-0553

Mason, OH
 4900 Parkway Dr.
 Suite 100
 Mason, OH 45040
 Phone: (513) 459-9677
 Fax: (513) 459-9869

Solon, OH
 6161 Cochran Road
 Suite D
 Solon, OH 44139
 Phone: (440) 519-2555
 Fax: (440) 519-2560

Toledo, OH
 3401 Glendale Ave.
 Suite 300
 Toledo, OH 43614
 Phone: (419) 385-2018
 Fax: (419) 385-5487

REPORT TO: Doug Shurt

Client: City of South Bend

Site: Norfolk

Project #: SB1059 Phase: _____

Samplers: Luke Wright

PRESERVATIVES

SAMPLE TYPES
 A - AIR
 C - ASBESTOS
 D - SEDIMENT
 G - GROUNDWATER
 P - PRODUCT
 S - SOIL
 W - WATER
 Z - OTHERS

PRESERVATIVES
 A - Cool only, <4 deg. C
 B - HNO₃ pH<2
 C - H₂SO₄ pH<2
 D - NaOH pH>12
 E - ZnAcetate + NaOH, pH>9
 F - Na₂S O (0.005%)
 G - HCl, pH <2

METALS
 N - NOTIFIED
 K - FILTERED
 B - BOTH

All samples are kept at 4 degrees Celsius.

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE & ID	NO. OF METALS CONT.	COLLECTION DATE/TIME	COMMENTS
SB1059	SW-13B	5005-020	2	10/8/10 1501	-0+Y
	SW-14B			1505	-0+5
	SW-15B			1508	-0+6
	SW-16B			1510	-0+7
	BS-6B	5020-020		1514	-0+8
	BS-7B	5020-020		1529	-0+9

RELINQUISHED BY: _____ DATE: 10/9/10
 TIME: 10:47

RECEIVED BY: James Jones DATE: 10-9-10
 TIME: 10:46

RELINQUISHED BY: _____ DATE: _____
 TIME: _____

RECEIVED FOR LAB BY: _____ DATE: _____
 TIME: _____

COOLER TEMPERATURE AS RECEIVED: 1.2 °C

DISTRIBUTION: _____
 WHITE - LAB USE (MUST BE RETURNED WITH REPORT)
 YELLOW - LAB USE
 PINK - RETAINED BY HULL

Deliver To: _____
 Method of Delivery: _____
 Airbill Number: _____
 NOTES: _____
 TURN AROUND TIME: _____ DAYS

Sample Condition Upon Receipt



Client Name: Hull Assoc Project # 5042267

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer Used 12346ABCDE Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature 1.2 Ice Visible in Sample Containers: yes no

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 10-9-10 JS

		Comments:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	5.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
All containers needing preservation have been pH checked? exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	10.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Project Manager Review		
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.

Client Notification/ Resolution: _____ Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Kenneth Fruit Date: 10/9/10

Sample Container Count

CLIENT: Holl & Assoc

COC PAGE 1 of 3

COC ID# _____

Project # GD4267



Sample Line Item	DG9H	AG1U	WGFR	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	Comments
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													

Container Codes	DG9H	AG1U	WGFR	R	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1S	BP1U
	40mL HCL amber vial	1liter unpreserved amber glass	4oz clear soil jar	terra core kit	500mL HNO3 plastic	500mL unpreserved plastic	500mL H2SO4 plastic	250mL HNO3 plastic	250mL unpreserved plastic	250mL H2SO4 plastic	250mL H2SO4 glass amber	1 liter H2SO4 amber glass	1 liter unpreserved plastic
	AF	AG1H	AG1S	AG1T	AG2N	AG2S	AG2U	AG3U	BG1H	BG1S	BG1T	BG1U	BP1A
	Air Filter	1 liter HCL amber glass	1 liter H2SO4 amber glass	1 liter Na Thiosulfate amber gl	500mL HNO3 amber glass	500mL H2SO4 amber glass	500mL unpreserved amber gla	250mL unpreserved amber gla	1 liter HCL clear glass	1 liter H2SO4 clear glass	1 liter Na Thiosulfate clear gla	1 liter unpreserved glass	1 liter NaOH, Asc Acid plastic
	BP1N	BP1S	BP1U	BP1Z	BP2A	BP2O	BP2Z	BP3A	BP3C	BP3Z	C	DG9B	DG9M
	1 liter HNO3 plastic	1 liter H2SO4 plastic	1 liter unpreserved plastic	1 liter NaOH, Zn, Ac	500mL NaOH, Asc Acid plastic	500mL NaOH plastic	500mL NaOH, Zn Ac	250mL NaOH, Asc Acid plastic	250mL NaOH plastic	250mL NaOH, Zn Ac plastic	Air Cassettes	40mL Na Bisulfate amber vial	40mL MeOH clear vial
	DG9P	DG9S	DG9T	DG9U	JGFU	U	VG9H	VG9T	VG9U	VSG	WGFH	ZPLC	
	40mL TSP amber vial	40mL H2SO4 amber vial	40mL Na Thio amber vial	40mL unpreserved amber vial	Wipe/Swab	4oz unpreserved amber wide	Summa Can	40mL HCL clear vial	40mL Na Thio. clear vial	40mL unpreserved clear vial	Headspace septa vial & HCL	4oz wide jar w/hexane wipe	Ziploc Bag

Sample Container Count

CLIENT: Hull Assoc

COC PAGE 2 of 3

COC ID# _____

Project # 9042267



Sample Line Item	DG9H	AG1U	WGFR	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	Comments
1													
2			2										
3			2										
4			2										
5			2										
6			2										
7			2										
8			2										
9			2										
10			2										
11			2										
12													

Container Codes	DG9H	40mL HCL	amber vial	AF	Air Filter	BP1N	1 liter HNO3	plastic	DG9P	40mL TSP	amber vial
	AG1U	1 liter	unpreserved amber glass	AG1H	1 liter HCL	BP1S	1 liter H2SO4	plastic	DG9S	40mL H2SO4	amber vial
	WG9U	4oz	clear soil jar	AG1S	1 liter H2SO4	BP1U	1 liter unpreserved	plastic	DG9T	40mL Na Thio	amber vial
	R	terra	core kit	AG1T	1 liter Na Thiosulfate	BP1Z	1 liter NaOH, Zn, Ac		DG9U	40mL unpreserved	amber vial
	BP2N	500mL	HNO3 plastic	AG2N	500mL HNO3	BP2A	500mL NaOH, Asc Acid	plastic		Wipe/Swab	
	BP2U	500mL	unpreserved plastic	AG2S	500mL H2SO4	BP2O	500mL NaOH plastic		JGFU	4oz unpreserved	amber wide
	BP2S	500mL	H2SO4 plastic	AG2U	500mL unpreserved	BP2Z	500mL NaOH, Zn Ac		U	Summa Can	
	BP3N	250mL	HNO3 plastic	AG3U	250mL unpreserved	BP3A	250mL NaOH, Asc Acid	plastic	VG9H	40mL HCL	clear vial
	BP3U	250mL	unpreserved plastic	BG1H	1 liter HCL	BP3C	250mL NaOH plastic		VG9T	40mL Na Thio.	clear vial
	BP3S	250mL	H2SO4 plastic	BG1S	1 liter H2SO4	BP3Z	250mL NaOH, Zn Ac	plastic	VG9U	40mL unpreserved	clear vial
	AG3S	250mL	H2SO4 glass	BG1T	1 liter Na Thiosulfate	C	Air Cassettes		VSG	Headspace septa	vial & HCL
	AG1S	1 liter	H2SO4 amber glass	BG1U	1 liter unpreserved	DG9B	40mL Na Bisulfate	amber vial	WGFX	4oz wide jar	w/hexane wipe
	BP1U	1 liter	unpreserved plastic	BP1A	1 liter NaOH, Asc Acid	DG9M	40mL MeOH	clear vial	ZPLC	Ziploc Bag	

Sample Container Count

CLIENT: Auburn ASOC

COC PAGE 3 of 3

COC ID# _____

Project # 90422687



Sample Line Item	DG9H	AG1U	WG9H	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	Comments
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													

Container Codes

DG9H	40mL HCL amber vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WG9H	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	ferra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	JGFU	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	U	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	VG9H	40mL HCL clear vial
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3A	250mL NaOH, Asc Acid plastic	VG9T	40mL Na Thio. clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9U	40mL unpreserved clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VSG	Headspace septa vial & HCL
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	WGFX	4oz wide jar w/hexane wipe
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	ZPLC	Ziploc Bag
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial		

October 20, 2010

Mr. Doug Stuart
Hull & Associates
6435 Castleway West Drive
Suite 119
Indianapolis, IN 46250

RE: Project: SBI059
Pace Project No.: 5042509

Dear Mr. Stuart:

Enclosed are the analytical results for sample(s) received by the laboratory on October 16, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kenneth Hunt

kenneth.hunt@pacelabs.com
Project Manager

Illinois/NELAC Certification #: 100418

Indiana Certification #: C-49-06

Kansas Certification #: E-10247

Kentucky Certification #: 0042

Louisiana Certification #: 04076

Ohio VAP: CL0065

Pennsylvania: 68-00791

West Virginia Certification #: 330

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 15

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SAMPLE SUMMARY

Project: SBI059
Pace Project No.: 5042509

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5042509001	SBI059:SW-20A:S005020	Solid	10/15/10 13:20	10/16/10 10:43
5042509002	SBI059:SW-21A:S005020	Solid	10/15/10 13:22	10/16/10 10:43
5042509003	SBI059:SW-22A:S005020	Solid	10/15/10 13:23	10/16/10 10:43
5042509004	SBI059:BS-8A:S020020	Solid	10/15/10 13:25	10/16/10 10:43
5042509005	SBI059:SW-23A:S005020	Solid	10/15/10 13:27	10/16/10 10:43
5042509006	SBI059:SW-24A:S005020	Solid	10/15/10 13:29	10/16/10 10:43
5042509007	SBI059:SW-25A:S005020	Solid	10/15/10 13:31	10/16/10 10:43
5042509008	SBI059:BS-9A:S020020	Solid	10/15/10 13:32	10/16/10 10:43
5042509009	SBI059:BS-9A:S020020A	Solid	10/15/10 13:33	10/16/10 10:43

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: SBI059
Pace Project No.: 5042509

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5042509001	SBI059:SW-20A:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042509002	SBI059:SW-21A:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042509003	SBI059:SW-22A:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042509004	SBI059:BS-8A:S020020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042509005	SBI059:SW-23A:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042509006	SBI059:SW-24A:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042509007	SBI059:SW-25A:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042509008	SBI059:BS-9A:S020020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042509009	SBI059:BS-9A:S020020A	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042509

Sample: SBI059:SW-20A:S005020 Lab ID: 5042509001 Collected: 10/15/10 13:20 Received: 10/16/10 10:43 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Lead	1700	mg/kg	2.1	1	10/18/10 00:00	10/19/10 00:06	7439-92-1	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	8.2	%	0.10	1		10/18/10 14:55		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042509

Sample: SBI059:SW-21A:S005020 Lab ID: 5042509002 Collected: 10/15/10 13:22 Received: 10/16/10 10:43 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	1930	mg/kg	2.0	1	10/18/10 00:00	10/19/10 00:23	7439-92-1	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	6.4	%	0.10	1		10/18/10 14:55		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042509

Sample: SBI059:SW-22A:S005020 Lab ID: 5042509003 Collected: 10/15/10 13:23 Received: 10/16/10 10:43 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	403	mg/kg	2.0	1	10/18/10 00:00	10/19/10 00:29	7439-92-1	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	8.8	%	0.10	1	10/18/10 14:55			

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042509

Sample: SBI059:BS-8A:S020020 **Lab ID: 5042509004** Collected: 10/15/10 13:25 Received: 10/16/10 10:43 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	10.7	mg/kg	2.2	1	10/18/10 00:00	10/19/10 00:34	7439-92-1	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	7.4	%	0.10	1	10/18/10 14:55			

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042509

Sample: SBI059:SW-23A:S005020 Lab ID: 5042509005 Collected: 10/15/10 13:27 Received: 10/16/10 10:43 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	1700	mg/kg	2.1	1	10/18/10 00:00	10/19/10 00:57	7439-92-1	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	7.4	%	0.10	1		10/18/10 14:55		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042509

Sample: SBI059:SW-24A:S005020 Lab ID: 5042509006 Collected: 10/15/10 13:29 Received: 10/16/10 10:43 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	1160	mg/kg	2.1	1	10/18/10 00:00	10/19/10 01:03	7439-92-1	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	7.7	%	0.10	1		10/18/10 14:55		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042509

Sample: SBI059:SW-25A:S005020 Lab ID: 5042509007 Collected: 10/15/10 13:31 Received: 10/16/10 10:43 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	1190	mg/kg	2.1	1	10/18/10 00:00	10/19/10 01:08	7439-92-1	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	9.3	%	0.10	1		10/18/10 14:55		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042509

Sample: SBI059:BS-9A:S020020 Lab ID: 5042509008 Collected: 10/15/10 13:32 Received: 10/16/10 10:43 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	280	mg/kg	2.2	1	10/18/10 00:00	10/19/10 01:14	7439-92-1	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	9.8	%	0.10	1		10/18/10 14:55		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042509

Sample: SBI059:BS-9A:S020020A **Lab ID:** 5042509009 Collected: 10/15/10 13:33 Received: 10/16/10 10:43 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	44.6	mg/kg	2.1	1	10/18/10 00:00	10/19/10 01:20	7439-92-1	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	9.5	%	0.10	1	10/18/10 14:56			

QUALITY CONTROL DATA

Project: SBI059
Pace Project No.: 5042509

QC Batch: MPRP/6539 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 5042509001, 5042509002, 5042509003, 5042509004, 5042509005, 5042509006, 5042509007, 5042509008, 5042509009

METHOD BLANK: 496115 Matrix: Solid
Associated Lab Samples: 5042509001, 5042509002, 5042509003, 5042509004, 5042509005, 5042509006, 5042509007, 5042509008, 5042509009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	ND	2.0	10/19/10 08:38	

LABORATORY CONTROL SAMPLE: 496116

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	50	45.9	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 496117 496118

Parameter	Units	5042480001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	234	85.5	82.2	278	282	51	59	75-125	2	20	M3

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 496119 496120

Parameter	Units	5042509001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	1700	51.8	51.4	1130	1020	-1100	-1340	75-125	11	20	P6

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 496121 496122

Parameter	Units	5042511001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	7.8	52.7	51.6	68.8	60.9	116	103	75-125	12	20	

QUALITY CONTROL DATA

Project: SBI059
Pace Project No.: 5042509

QC Batch: PMST/5223 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 5042509001, 5042509002, 5042509003, 5042509004, 5042509005, 5042509006, 5042509007, 5042509008, 5042509009

SAMPLE DUPLICATE: 496314

Parameter	Units	5042509001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	8.2	8.2	.1	5	

SAMPLE DUPLICATE: 496315

Parameter	Units	5042364009 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.2	18.4	.8	5	

QUALIFIERS

Project: SBI059

Pace Project No.: 5042509

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

M3 Matrix spike recovery was outside laboratory control limits due to matrix interferences.

P6 Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

CHAIN OF CUSTODY RECORD

VMS

Dublin, OH
6397 Emerald Parkway
Suite 200
Dublin, OH 43016
Phone: (614) 793-8777
Fax: (614) 793-9070

Indianapolis, IN
6330 E. 78th St.
Suite 176
Indianapolis, IN 46250
Phone: (317) 558-0558
Fax: (317) 558-0553

Mason, OH
4900 Parkway Dr.
Suite 100
Mason, OH 45040
Phone: (513) 459-9677
Fax: (513) 459-9869

Solon, OH
6161 Cochran Road
Suite D
Solon, OH 44139
Phone: (440) 519-2555
Fax: (440) 519-2580

Toledo, OH
3401 Glendale Ave.
Suite 300
Toledo, OH 43614
Phone: (419) 385-2018
Fax: (419) 385-5487

REPORT TO: Dosy Stewart

Client: City of South Bend

Site: New-Bark Site

Project #: 38105A Phase:

Samplers: Water Weight

PRESERVATIVES

- SAMPLE TYPES**
A - AIR
C - ASPHALT
D - SEDIMENT
G - GROUNDWATER
P - PRODUCT
S - SOIL
W - WATER
Z - OTHERS
- PRESERVATIVES**
A - Cool only, <4 deg. C
B - HNO₃ pH<2
C - H₂SO₄ pH<2
D - NaOH pH>12
E - ZnAcetate + NaOH, pH>9
F - H₂O (0.08%)
G - HCl pH <2
- METALS**
F - FILTERED
N - NOT FILTERED
B - BOTH

All samples are kept at 4 degrees Celsius.

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE & ID	NO. OF METALS CONT.	METALS	COLLECTION DATE/TIME	COMMENTS
S01059	SW-20A	5005-020	2	✓	10/15/10 1320	-001
	SW-21A	↓	1	✓	1322	-002
	SW-22A	↓	1	✓	1323	-003
	BS-8A	5020-020	1	✓	1325	-004
	SW-23A	5005-020	1	✓	1327	-005
	SW-24A	↓	1	✓	1329	-006
	SW-25A	↓	1	✓	1331	-007
	BS-9A	5020-020	1	✓	1332	-008
	BS-9A(Up)	↓	1	✓	1333	-009
	SW-10B	5020-020	2	✓	10/15/10 1414	X Duplicate -009
	SW-20	↓				

RELINQUISHED BY: John Blight DATE: 10/16/10 TIME: 10:45

RECEIVED BY: Jones Jones DATE: 10/16/10 TIME: 10:45

RELINQUISHED BY: _____ DATE: _____ TIME: _____

RECEIVED FOR LAB BY: _____ DATE: _____ TIME: _____

COOLER TEMPERATURE AS RECEIVED: 11.3 °C

DELIVER TO: _____

METHOD OF DELIVERY: _____

AIRBILL NUMBER: 10014

NOTES: _____

TURN AROUND TIME: 3/4 DAYS

Sample Condition Upon Receipt



Client Name: Hull & Assoc Project # 5042509

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other zpic

Thermometer Used 12746ABCDE Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature 1.5 Ice Visible in Sample Containers: yes no

Temp should be above freezing to 6°C

Date and initials of person examining contents: 10-16-10 JS

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	5.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
All containers needing preservation have been pH checked? exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	9.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Project Manager Review		
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.

Client Notification/ Resolution: _____ Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Kenneth Hunt

Date: 10/16/10

Sample Container Count



CLIENT: ALL AERO

COC PAGE 1 of 1

COC ID# _____

Project # 5242509

Sample Line Item	DG9H	AG1U	WG9H	R	4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	Comments
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														

Container Codes

DG9H	40mL HCL amber vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WG9U	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic		Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3A	250mL NaOH, Asc Acid plastic	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFY	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

October 20, 2010

Mr. Doug Stuart
Hull & Associates
6435 Castleway West Drive
Suite 119
Indianapolis, IN 46250

RE: Project: SBI059
Pace Project No.: 5042511

Dear Mr. Stuart:

Enclosed are the analytical results for sample(s) received by the laboratory on October 16, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kenneth Hunt

kenneth.hunt@pacelabs.com
Project Manager

Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana Certification #: 04076
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 11

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SAMPLE SUMMARY

Project: SBI059
Pace Project No.: 5042511

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5042511001	SBI059:SW-19B:S005020	Solid	10/15/10 14:14	10/16/10 10:44
5042511002	SBI059:SW-20B:S005020	Solid	10/15/10 14:16	10/16/10 10:44
5042511003	SBI059:SW-21B:S005020	Solid	10/15/10 14:18	10/16/10 10:44
5042511004	SBI059:BS-9B:S020020	Solid	10/15/10 14:21	10/16/10 10:44
5042511005	SBI059:BS-10B:S040040	Solid	10/15/10 14:20	10/16/10 10:44

REPORT OF LABORATORY ANALYSIS

Page 2 of 11

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SAMPLE ANALYTE COUNT

Project: SBI059

Pace Project No.: 5042511

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5042511001	SBI059:SW-19B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042511002	SBI059:SW-20B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042511003	SBI059:SW-21B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042511004	SBI059:BS-9B:S020020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042511005	SBI059:BS-10B:S040040	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042511

Sample: SBI059:SW-19B:S005020 **Lab ID: 5042511001** Collected: 10/15/10 14:14 Received: 10/16/10 10:44 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	5.0	mg/kg	2.0	1	10/18/10 00:00	10/19/10 01:25	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	6.0	%	0.10	1		10/18/10 14:45		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042511

Sample: SBI059:SW-20B:S005020 Lab ID: 5042511002 Collected: 10/15/10 14:16 Received: 10/16/10 10:44 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	23.4	mg/kg	2.1	1	10/18/10 00:00	10/19/10 02:05	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	6.2	%	0.10	1		10/18/10 14:45		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042511

Sample: SBI059:SW-21B:S005020 Lab ID: 5042511003 Collected: 10/15/10 14:18 Received: 10/16/10 10:44 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	10.6	mg/kg	2.0	1	10/18/10 00:00	10/19/10 02:11	7440-38-2	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	3.7	%	0.10	1		10/18/10 14:45		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042511

Sample: SBI059:BS-9B:S020020 **Lab ID: 5042511004** Collected: 10/15/10 14:21 Received: 10/16/10 10:44 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	4.4	mg/kg	2.1	1	10/18/10 00:00	10/19/10 02:16	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	5.2	%	0.10	1	10/18/10 14:46			

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042511

Sample: SBI059:BS-10B:S040040 Lab ID: 5042511005 Collected: 10/15/10 14:20 Received: 10/16/10 10:44 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	2.1	mg/kg	1.9	1	10/18/10 00:00	10/19/10 02:22	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	2.8	%	0.10	1		10/18/10 14:46		

QUALITY CONTROL DATA

Project: SBI059
Pace Project No.: 5042511

QC Batch: MPRP/6539 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 5042511001, 5042511002, 5042511003, 5042511004, 5042511005

METHOD BLANK: 496115 Matrix: Solid
Associated Lab Samples: 5042511001, 5042511002, 5042511003, 5042511004, 5042511005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	2.0	10/19/10 08:38	

LABORATORY CONTROL SAMPLE: 496116

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	49.8	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 496117 496118

Parameter	Units	5042480001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	12.7	85.5	82.2	89.9	84.7	90	88	75-125	6	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 496119 496120

Parameter	Units	5042509001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	76.7	51.8	51.4	114	120	72	84	75-125	5	20	M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 496121 496122

Parameter	Units	5042511001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	5.0	52.7	51.6	67.0	59.6	118	106	75-125	12	20	

QUALITY CONTROL DATA

Project: SBI059

Pace Project No.: 5042511

QC Batch: PMST/5219

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 5042511001, 5042511002, 5042511003, 5042511004, 5042511005

SAMPLE DUPLICATE: 496248

Parameter	Units	5042284001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	13.7	13.7	.1	5	

SAMPLE DUPLICATE: 496249

Parameter	Units	5042477001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10.8	10.8	.05	5	

QUALIFIERS

Project: SBI059

Pace Project No.: 5042511

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

CHAIN OF CUSTODY RECORD

VAMS

Dublin, OH
6397 Emerald Parkway
Suite 200
Dublin, OH 43016
Phone: (614) 793-8777
Fax: (614) 793-9070

Indianapolis, IN
6330 E. 75th St.
Suite 176
Indianapolis, IN 46250
Phone: (317) 558-0558
Fax: (317) 558-0555

Mason, OH
4800 Parkway Dr.
Suite 100
Mason, OH 45040
Phone: (513) 459-9677
Fax: (513) 459-9869

Solon, OH
6161 Cochran Road
Suite D
Solon, OH 44139
Phone: (440) 519-2555
Fax: (440) 519-2560

Toledo, OH
3401 Glendale Ave.
Suite 300
Toledo, OH 43614
Phone: (419) 385-2018
Fax: (419) 385-5487

REPORT TO: Doug Stewart

Client: City of South Bend
Site: Norfolk Site
Project #: 501054 Phase: _____
Samplers: Luke Wright

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE & ID	NO. OF METALS CONT.	METALS	COLLECTION DATE/TIME	PRESERVATIVES	METALS FILTERED N - NOT FILTERED B - BOTH	COMMENTS	PRESERVATIVES		ANALYSES	
									DATE	TIME	DATE	TIME
501054	SW-14B	5005-020	2	✓	10/15/10	1414	X	-001				
	SW-20B	↓	↓	↓	1416	1416	X	-002				
	SW-21B	↓	↓	↓	1418	1418	X	-003				
	BS-9B	5020-020	↓	↓	1421	1421	X	-004				
	BS-10B	5010-040	↓	↓	1420	1420	X	-005				
	:	:	:	:	:	:	:	:				
	:	:	:	:	:	:	:	:				
	:	:	:	:	:	:	:	:				
	:	:	:	:	:	:	:	:				
	:	:	:	:	:	:	:	:				
	:	:	:	:	:	:	:	:				
	:	:	:	:	:	:	:	:				
	:	:	:	:	:	:	:	:				
	:	:	:	:	:	:	:	:				

RELINQUISHED BY: [Signature] DATE: 10/16/10 TIME: 1044

RECEIVED BY: James Jones DATE: 10/16 TIME: 2044

RELINQUISHED BY: _____ DATE: _____ TIME: _____

RECEIVED FOR LAB BY: _____ DATE: _____ TIME: _____

COOLER TEMPERATURE AS RECEIVED: 115 °C

DELIVER TO: _____ METHOD OF DELIVERY: _____

AIRBILL NUMBER: _____ NOTES: CMU

TURN AROUND TIME: 3/4 DAYS



Sample Condition Upon Receipt

Client Name: HL ASSOC Project # 5042511

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer Used 12346ABCDE Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature 1.5 Ice Visible in Sample Containers: yes no

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 10-16-10

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	5.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
All containers needing preservation have been pH checked? exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	9.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Project Manager Review		
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.

Client Notification/ Resolution: _____ Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: *Kenneth Hunt*

Date: 10/16/10

CLIENT: Hull Assoc

Sample Container Count



COC PAGE 1 of 1

COC ID# _____

Project # SDY571

Sample Line Item	DG9H	AG1U	WG FU R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	Comments
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

Container Codes		AF	Air Filter	BP1N	DG9P	DG9S	DG9T	DG9U	JGFU	U	VG9H	VG9T	VG9U	VSG	WGFX	ZPLC
DG9H	40mL HCL amber vial	AG1H	1 liter HCL amber glass	BP1N	40mL TSP amber vial	DG9S	DG9T	DG9U	JGFU	U	VG9H	VG9T	VG9U	VSG	WGFX	ZPLC
AG1U	1 liter unpreserved amber glass	AG1S	1 liter H2SO4 amber glass	BP1S	40mL H2SO4 amber vial	DG9S	DG9T	DG9U	JGFU	U	VG9H	VG9T	VG9U	VSG	WGFX	ZPLC
WG FU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	40mL Na Thio amber vial	DG9S	DG9T	DG9U	JGFU	U	VG9H	VG9T	VG9U	VSG	WGFX	ZPLC
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	40mL unpreserved amber vial	DG9S	DG9T	DG9U	JGFU	U	VG9H	VG9T	VG9U	VSG	WGFX	ZPLC
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	Wipe/Swab	DG9S	DG9T	DG9U	JGFU	U	VG9H	VG9T	VG9U	VSG	WGFX	ZPLC
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	4oz unpreserved amber wide	DG9S	DG9T	DG9U	JGFU	U	VG9H	VG9T	VG9U	VSG	WGFX	ZPLC
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	Summa Can	DG9S	DG9T	DG9U	JGFU	U	VG9H	VG9T	VG9U	VSG	WGFX	ZPLC
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3A	40mL HCL clear vial	DG9S	DG9T	DG9U	JGFU	U	VG9H	VG9T	VG9U	VSG	WGFX	ZPLC
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	40mL Na Thio. clear vial	DG9S	DG9T	DG9U	JGFU	U	VG9H	VG9T	VG9U	VSG	WGFX	ZPLC
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	40mL unpreserved clear vial	DG9S	DG9T	DG9U	JGFU	U	VG9H	VG9T	VG9U	VSG	WGFX	ZPLC
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Headspace septa vial & HCL	DG9S	DG9T	DG9U	JGFU	U	VG9H	VG9T	VG9U	VSG	WGFX	ZPLC
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	4oz wide jar w/hexane wipe	DG9S	DG9T	DG9U	JGFU	U	VG9H	VG9T	VG9U	VSG	WGFX	ZPLC
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	Ziploc Bag	DG9S	DG9T	DG9U	JGFU	U	VG9H	VG9T	VG9U	VSG	WGFX	ZPLC

October 21, 2010

Mr. Doug Stuart
Hull & Associates
6435 Castleway West Drive
Suite 119
Indianapolis, IN 46250

RE: Project: SBI059
Pace Project No.: 5042545

Dear Mr. Stuart:

Enclosed are the analytical results for sample(s) received by the laboratory on October 19, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Mick Mayse for
Kenneth Hunt
kenneth.hunt@pacelabs.com
Project Manager

Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana Certification #: 04076
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

Enclosures

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: SBI059
Pace Project No.: 5042545

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5042545001	SBI059:SW-29B:S005020	Solid	10/18/10 10:00	10/19/10 10:51
5042545002	SBI059:SW-28B:S0050210	Solid	10/18/10 10:07	10/19/10 10:51
5042545003	SBI059:SW-27B:S0050210	Solid	10/18/10 10:10	10/19/10 10:51
5042545004	SBI059:SW-27B:S0050210A	Solid	10/18/10 10:12	10/19/10 10:51
5042545005	SBI059:SW-26B:S0050210	Solid	10/18/10 10:20	10/19/10 10:51
5042545006	SBI059:SW-25B:S0050210	Solid	10/18/10 10:22	10/19/10 10:51
5042545007	SBI059:SW-24B:S0050210	Solid	10/18/10 10:28	10/19/10 10:51
5042545008	SBI059:SW-23B:S0050210	Solid	10/18/10 10:30	10/19/10 10:51
5042545009	SBI059:SW-22B:S0050210	Solid	10/18/10 10:37	10/19/10 10:51
5042545010	SBI059:BS-11B:S020020	Solid	10/18/10 10:44	10/19/10 10:51
5042545011	SBI059:BS-12B:S020020	Solid	10/18/10 10:53	10/19/10 10:51
5042545012	SBI059:BS-13B:S020020	Solid	10/18/10 10:55	10/19/10 10:51
5042545013	SBI059:BS-14B:S020020	Solid	10/18/10 11:08	10/19/10 10:51
5042545014	SBI059:BS-15B:S020020	Solid	10/18/10 11:10	10/19/10 10:51
5042545015	SBI059:BS-16B:S020020	Solid	10/18/10 11:18	10/19/10 10:51

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: SBI059
Pace Project No.: 5042545

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5042545001	SBI059:SW-29B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042545002	SBI059:SW-28B:S0050210	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042545003	SBI059:SW-27B:S0050210	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042545004	SBI059:SW-27B:S0050210A	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042545005	SBI059:SW-26B:S0050210	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042545006	SBI059:SW-25B:S0050210	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042545007	SBI059:SW-24B:S0050210	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042545008	SBI059:SW-23B:S0050210	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042545009	SBI059:SW-22B:S0050210	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042545010	SBI059:BS-11B:S020020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042545011	SBI059:BS-12B:S020020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042545012	SBI059:BS-13B:S020020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042545013	SBI059:BS-14B:S020020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042545014	SBI059:BS-15B:S020020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042545015	SBI059:BS-16B:S020020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042545

Sample: SBI059:SW-29B:S005020 Lab ID: 5042545001 Collected: 10/18/10 10:00 Received: 10/19/10 10:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	30.8	mg/kg	2.2	1	10/19/10 00:00	10/21/10 00:03	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	8.8	%	0.10	1		10/19/10 15:39		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042545

Sample: SBI059:SW-28B:S0050210 Lab ID: 5042545002 Collected: 10/18/10 10:07 Received: 10/19/10 10:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	78.2	mg/kg	2.0	1	10/19/10 00:00	10/21/10 00:43	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	3.9	%	0.10	1		10/19/10 15:40		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042545

Sample: SBI059:SW-27B:S0050210 Lab ID: 5042545003 Collected: 10/18/10 10:10 Received: 10/19/10 10:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	252	mg/kg	2.1	1	10/19/10 00:00	10/21/10 00:48	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	5.5	%	0.10	1		10/19/10 15:40		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042545

Sample: SBI059:SW-27B:S0050210A **Lab ID:** 5042545004 Collected: 10/18/10 10:12 Received: 10/19/10 10:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	172	mg/kg	1.9	1	10/19/10 00:00	10/21/10 00:54	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	4.7	%	0.10	1		10/19/10 15:40		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042545

Sample: SBI059:SW-26B:S0050210 Lab ID: 5042545005 Collected: 10/18/10 10:20 Received: 10/19/10 10:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	542	mg/kg	2.1	1	10/19/10 00:00	10/21/10 01:00	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	4.5	%	0.10	1		10/19/10 15:40		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042545

Sample: SBI059:SW-25B:S0050210 Lab ID: 5042545006 Collected: 10/18/10 10:22 Received: 10/19/10 10:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	142	mg/kg	2.0	1	10/19/10 00:00	10/21/10 01:06	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	5.6	%	0.10	1		10/19/10 15:40		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042545

Sample: SBI059:SW-24B:S0050210 Lab ID: 5042545007 Collected: 10/18/10 10:28 Received: 10/19/10 10:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	163	mg/kg	2.2	1	10/19/10 00:00	10/21/10 01:11	7440-38-2	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	7.1	%	0.10	1		10/19/10 15:40		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042545

Sample: SBI059:SW-23B:S0050210 Lab ID: 5042545008 Collected: 10/18/10 10:30 Received: 10/19/10 10:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	11.0	mg/kg	2.5	1	10/19/10 00:00	10/21/10 01:34	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	33.2	%	0.10	1		10/19/10 15:40		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042545

Sample: SBI059:SW-22B:S0050210 Lab ID: 5042545009 Collected: 10/18/10 10:37 Received: 10/19/10 10:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	17.7	mg/kg	2.2	1	10/19/10 00:00	10/21/10 01:40	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	8.5	%	0.10	1		10/19/10 15:41		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042545

Sample: SBI059:BS-11B:S020020 Lab ID: 5042545010 Collected: 10/18/10 10:44 Received: 10/19/10 10:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	7.3	mg/kg	2.0	1	10/19/10 00:00	10/21/10 01:46	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	8.6	%	0.10	1		10/19/10 15:41		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042545

Sample: SBI059:BS-12B:S020020 Lab ID: 5042545011 Collected: 10/18/10 10:53 Received: 10/19/10 10:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	9.3	mg/kg	2.0	1	10/19/10 00:00	10/21/10 01:52	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	8.4	%	0.10	1		10/19/10 15:41		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042545

Sample: SBI059:BS-13B:S020020 **Lab ID:** 5042545012 Collected: 10/18/10 10:55 Received: 10/19/10 10:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	5.3	mg/kg	1.8	1	10/19/10 00:00	10/21/10 01:57	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	6.8	%	0.10	1		10/19/10 15:41		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042545

Sample: SBI059:BS-14B:S020020 **Lab ID:** 5042545013 Collected: 10/18/10 11:08 Received: 10/19/10 10:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	6.6	mg/kg	1.9	1	10/19/10 00:00	10/21/10 02:03	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	12.5	%	0.10	1	10/19/10 15:41			

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042545

Sample: SBI059:BS-15B:S020020 Lab ID: 5042545014 Collected: 10/18/10 11:10 Received: 10/19/10 10:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	27.3	mg/kg	2.1	1	10/19/10 00:00	10/21/10 02:09	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	12.7	%	0.10	1		10/19/10 15:41		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042545

Sample: SBI059:BS-16B:S020020 Lab ID: 5042545015 Collected: 10/18/10 11:18 Received: 10/19/10 10:51 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	9.6	mg/kg	2.1	1	10/19/10 00:00	10/21/10 02:15	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	8.9	%	0.10	1		10/19/10 15:41		

QUALITY CONTROL DATA

Project: SBI059
Pace Project No.: 5042545

QC Batch: MPRP/6548 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 5042545001, 5042545002, 5042545003, 5042545004, 5042545005, 5042545006, 5042545007, 5042545008, 5042545009, 5042545010, 5042545011, 5042545012, 5042545013, 5042545014, 5042545015

METHOD BLANK: 496700 Matrix: Solid
Associated Lab Samples: 5042545001, 5042545002, 5042545003, 5042545004, 5042545005, 5042545006, 5042545007, 5042545008, 5042545009, 5042545010, 5042545011, 5042545012, 5042545013, 5042545014, 5042545015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	2.0	10/20/10 23:51	

LABORATORY CONTROL SAMPLE: 496701

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	51.2	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 496702 496703

Parameter	Units	5042545001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	30.8	52.7	53.2	58.8	82.0	53	96	75-125	33	20	1d,M0

QUALITY CONTROL DATA

Project: SBI059
Pace Project No.: 5042545

QC Batch: PMST/5226 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 5042545001, 5042545002, 5042545003, 5042545004, 5042545005, 5042545006, 5042545007, 5042545008, 5042545009, 5042545010, 5042545011, 5042545012, 5042545013, 5042545014, 5042545015

SAMPLE DUPLICATE: 496738

Parameter	Units	5042545001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	8.8	8.7	.9	5	

SAMPLE DUPLICATE: 496739

Parameter	Units	5042535005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.7	5.7	1	5	

QUALIFIERS

Project: SBI059

Pace Project No.: 5042545

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

1d RPD is outside control limits due to sample non-homogeneity. FRW 10-21-10

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

HULL

& Associates, Inc.

CHAIN OF CUSTODY RECORD

- Dublin, OH** 6397 Emerald Parkway Suite 200 Dublin, OH 43016 Phone: (614) 793-8777 Fax: (614) 793-9070
- Indianapolis, IN** 6330 E. 75th St. Suite 176 Indianapolis, IN 46250 Phone: (317) 558-0558 Fax: (317) 558-0553
- Mason, OH** 4900 Parkway Dr. Suite 100 Mason, OH 45040 Phone: (513) 459-9677 Fax: (513) 459-9869
- Solon, OH** 6161 Cochran Road Suite D Solon, OH 44139 Phone: (440) 519-2555 Fax: (440) 519-2550
- Toledo, OH** 3401 Glendale Ave. Suite 300 Toledo, OH 43614 Phone: (419) 385-2018 Fax: (419) 385-3487

REPORT TO: Doug Skurtz

Client: City of South Bend
 Site: Norfolk
 Project #: SB059 Phase: _____
 Samplers: Luice Wright

- All samples are kept at 4 degree Celsius.*
- | | |
|---------------------|--------------------------|
| SAMPLE TYPES | PRESERVATIVES |
| A-AIR | A-Cool only, -4 deg. C |
| G-ASBESTOS | B-HNO3 pH<2 |
| D-SEDIMENT | C-H2SO4 pH<2 |
| G-GROUNDWATER | D-NiOCl pH=12 |
| P-PRODUCT | E-ZnAcetate + NaOH, pH=9 |
| SI-SOIL | F-10% S O (0.008%) |
| W-WATER | G-HCl, pH<2 |
| Z-OTHERS | |

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE & ID	NO. OF CONT.	METALS	COLLECTION DATE/TIME	ANALYSES	COMMENTS
SB059	SW-24B	SW-020	2	✓	10/14/10 1000	X	
	SW-28B				1007	X	
	SW-27B				1010	X	
	SW-27B D.P.				1012	X	* Duplicate
	SW-26B				1020	X	
	SW-25-B				1022	X	
	SW-24B				1029	X	
	SW-23B				1030	X	
	SW-22B				1037	X	
	BS-11B	SO20-020			1044	X	
	BS-12B				1053	X	
	BS-13B				1055	X	

RELINQUISHED BY: [Signature] DATE: 10/19/10 TIME: 1856

RECEIVED BY: _____ DATE: _____ TIME: _____

RELINQUISHED BY: _____ DATE: _____ TIME: _____

RECEIVED BY: _____ DATE: _____ TIME: _____

RELINQUISHED BY: _____ DATE: _____ TIME: _____

RECEIVED BY: _____ DATE: 10/19/10 TIME: 1051

COOLER TEMPERATURE AS RECEIVED: 0.3 °C

DISTRIBUTION: _____

WHITE _____

YELLOW _____

PINK _____

LAB USE (MUST BE RETURNED WITH REPORT)

LAB USE _____

RETAINED BY HULL _____

Deliver To: _____

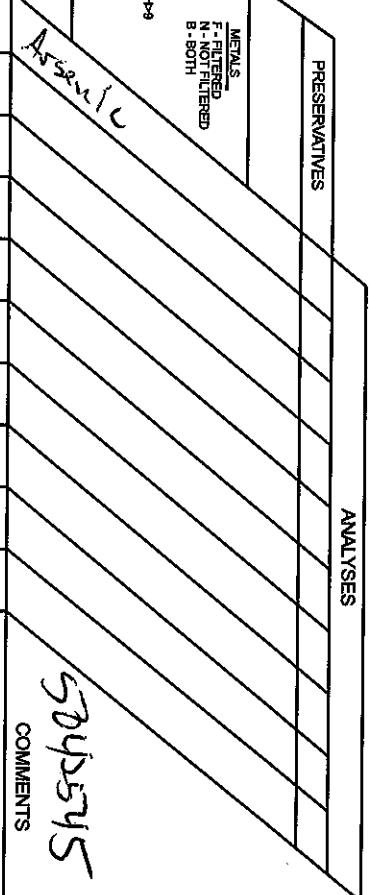
Method of Delivery: _____

Artbill Number: [Signature]

NOTES: _____

TURN AROUND TIME: 3/4 DAYS

W/ 2800-8028 SACS 5384



HULL

& Associates, Inc.

CHAIN OF CUSTODY RECORD

- Dublin, OH**
 6397 Emerald Parkway
 Suite 200
 Dublin, OH 43016
 Phone: (614) 793-8777
 Fax: (614) 793-9070
- Indianapolis, IN**
 6330 E. 75th St.
 Suite 176
 Indianapolis, IN 46250
 Phone: (317) 558-0558
 Fax: (317) 558-0553
- Mason, OH**
 4900 Parkway Dr.
 Suite 100
 Mason, OH 45040
 Phone: (513) 459-9677
 Fax: (513) 459-9869
- Solon, OH**
 6767 Cochran Road
 Suite D
 Solon, OH 44139
 Phone: (440) 519-2555
 Fax: (440) 519-2560
- Toledo, OH**
 3401 Glendale Ave.
 Suite 300
 Toledo, OH 43614
 Phone: (419) 285-2018
 Fax: (419) 385-5467

REPORT TO: Doug Stewart

Client: City of South Bend
 Site: Marshall
 Project #: 581059 Phase: _____
 Samplers: lake wing 1

- | | | |
|---------------------|---|-----------------|
| SAMPLE TYPES | PRESERVATIVES | METALS |
| A - AIR | A - Cool only, < 4 deg. C | F - FILTERED |
| B - ASBESTOS | B - HNO ₃ pH<2 | G - GROUNDWATER |
| C - GROUNDWATER | C - H ₂ SO ₄ pH<2 | H - BOTH |
| D - PRODUCT | D - NaOH pH>12 | |
| E - SOIL | E - Zincacetate + NaOH, pH>9 | |
| F - WATER | F - Na ₂ S O (0.008%) | |
| Z - OTHERS | G - HCl, pH < 2 | |

All samples are kept at 4 degrees Celsius.

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE & ID	NO. OF METALS	COLLECTION DATE/TIME	ANALYSES	COMMENTS
581059	BS-14B	5020-0200	✓	10/18/10 1109		
	BS-15B		✓	1110	X	
	BS-16B		✓	1113	X	
		Trip Blank	1			Not needed.

PRESERVATIVES: _____

ANALYSES: _____

COMMENTS: 5045945

RELINQUISHED BY: [Signature] DATE: 10/18/10 RECEIVED BY: _____ DATE: _____

RELINQUISHED BY: [Signature] DATE: 10/18/10 RECEIVED BY: _____ DATE: _____

RELINQUISHED BY: _____ DATE: _____ RECEIVED BY: _____ DATE: _____

RELINQUISHED BY: _____ DATE: _____ RECEIVED BY: _____ DATE: _____

RECEIVED FOR LAB BY: [Signature] DATE: 10/19/10

COOLER TEMPERATURE AS RECEIVED: 0.3 °C

DISTRIBUTION: _____

WHITE _____

YELLOW _____

PINK _____

- LAB USE (MUST BE RETURNED WITH REPORT)

- LAB USE

- RETAINED BY HULL

Deliver To: _____

Method of Delivery: _____

Albill Number: _____

NOTES: [Signature]

TURN AROUND TIME: 3/4 DAYS

W/ receipt 8/12/8 SGGES 5384

Sample Condition Upon Receipt



Face Analytical

Client Name: Hull & Assoc.

Project # 5042545

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking #: 872856655384

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other 2 pack

Thermometer Used 12346A B C D E Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature 0.3°C Ice Visible in Sample Containers: yes no

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 10/19/10 *BO*

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	5.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. <u>3/4 days</u> <u>BO</u>
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
All containers needing preservation have been pH checked? exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	9.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Project Manager Review		
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: *Kenneth Hunt*

Date: 10/19/10

Sample Container Count



CLIENT: Full & Assoc.

COC PAGE 1 of 2
COC ID# _____

Project # 904545

Sample Line	Item	DG9H	AG1U	WGFU	R	4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	Comments
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															

Container Codes

Item	Description	AF	Description	BP1N	Description	DG9P	Description
DG9H	40ml HCL amber vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	DG9P	40ml TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40ml H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40ml Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40ml unpreserved amber vial
BP2N	500ml HNO3 plastic	AG2N	500ml HNO3 amber glass	BP2A	500ml NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500ml unpreserved plastic	AG2S	500ml H2SO4 amber glass	BP2O	500ml NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500ml H2SO4 plastic	AG2U	500ml unpreserved amber gla	BP2Z	500ml NaOH, Zn Ac	U	Summa Can
BP3N	250ml HNO3 plastic	AG3U	250ml unpreserved amber gla	BP3A	250ml NaOH, Asc Acid plastic	VG9H	40ml HCL clear vial
BP3U	250ml unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250ml NaOH plastic	VG9T	40ml Na Thio. clear vial
BP3S	250ml H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250ml NaOH, Zn Ac plastic	VG9U	40ml unpreserved clear vial
AG3S	250ml H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40ml Na Bisulfate amber vial	WGFU	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40ml MeOH clear vial	ZPLC	Ziploc Bag

Sample Container Count



CLIENT: Hull & Assoc

COC PAGE 2 of 2

COC ID# _____

Project # 9042945

Sample Line	Item	DG9H	AG1U	WGFU	R	4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	Comments
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															

Container Codes

Code	Description	Code	Description	Code	Description	Code	Description	Code	Description	Code	Description	Code	Description	Code	Description
DG9H	40ml HCL amber vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	DG9P	40ml TSP amber vial								
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40ml H2SO4 amber vial								
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40ml Na Thio amber vial								
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40ml unpreserved amber vial								
BP2N	500ml HNO3 plastic	AG2N	500ml HNO3 amber glass	BP2A	500ml NaOH, Asc Acid plastic	I	Wipe/Swab								
BP2U	500ml unpreserved plastic	AG2S	500ml H2SO4 amber glass	BP2O	500ml NaOH plastic	JGFU	4oz unpreserved amber wide								
BP2S	500ml H2SO4 plastic	AG2U	500ml unpreserved amber gla	BP2Z	500ml NaOH, Zn Ac	U	Summa Can								
BP3N	250ml HNO3 plastic	AG3U	250ml unpreserved amber gla	BP3A	250ml NaOH, Asc Acid plastic	VG9H	40ml HCL clear vial								
BP3U	250ml unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250ml NaOH plastic	VG9T	40ml Na Thio. clear vial								
BP3S	250ml H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250ml NaOH, Zn Ac plastic	VG9U	40ml unpreserved clear vial								
AG3S	250ml H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL								
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40ml Na Bisulfate amber vial	WGFY	4oz wide jar w/hexane wipe								
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40ml MeOH clear vial	ZPLC	Ziploc Bag								

October 27, 2010

Mr. Doug Stuart
Hull & Associates
6435 Castleway West Drive
Suite 119
Indianapolis, IN 46250

RE: Project: SBI059
Pace Project No.: 5042627

Dear Mr. Stuart:

Enclosed are the analytical results for sample(s) received by the laboratory on October 21, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kenneth Hunt

kenneth.hunt@pacelabs.com
Project Manager

Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana Certification #: 04076
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 18

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SAMPLE SUMMARY

Project: SBI059
Pace Project No.: 5042627

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5042627001	SBI059:BS-10A:S020020	Solid	10/20/10 18:02	10/21/10 10:00
5042627002	SBI059:BS-11A:S020020	Solid	10/20/10 18:04	10/21/10 10:00
5042627003	SBI059:SW-26A:S005020	Solid	10/20/10 18:09	10/21/10 10:00
5042627004	SBI059:SW-27A:S005020	Solid	10/20/10 18:11	10/21/10 10:00
5042627005	SBI059:SW-28A:S005020	Solid	10/20/10 18:13	10/21/10 10:00
5042627006	SBI059:SW-29A:S005020	Solid	10/20/10 18:14	10/21/10 10:00
5042627007	SBI059:SW-30A:S005020	Solid	10/20/10 18:27	10/21/10 10:00
5042627008	SBI059:SW-31A:S005020	Solid	10/20/10 18:29	10/21/10 10:00
5042627009	SBI059:SW-32A:S005020	Solid	10/20/10 18:31	10/21/10 10:00
5042627010	SBI059:SW-33A:S005020	Solid	10/20/10 18:36	10/21/10 10:00
5042627011	SBI059:BS-12A:S020020	Solid	10/20/10 18:38	10/21/10 10:00
5042627012	SBI059:BS-13A:S020020	Solid	10/20/10 18:40	10/21/10 10:00

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: SBI059
Pace Project No.: 5042627

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5042627001	SBI059:BS-10A:S020020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042627002	SBI059:BS-11A:S020020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042627003	SBI059:SW-26A:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042627004	SBI059:SW-27A:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042627005	SBI059:SW-28A:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042627006	SBI059:SW-29A:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042627007	SBI059:SW-30A:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042627008	SBI059:SW-31A:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042627009	SBI059:SW-32A:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042627010	SBI059:SW-33A:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042627011	SBI059:BS-12A:S020020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042627012	SBI059:BS-13A:S020020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042627

Sample: SBI059:BS-10A:S020020 **Lab ID:** 5042627001 Collected: 10/20/10 18:02 Received: 10/21/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	9.8	mg/kg	2.2	1	10/22/10 00:00	10/25/10 02:11	7439-92-1	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	9.8	%	0.10	1		10/25/10 15:03		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042627

Sample: SBI059:BS-11A:S020020 **Lab ID:** 5042627002 Collected: 10/20/10 18:04 Received: 10/21/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Lead	15.8	mg/kg	2.2	1	10/22/10 00:00	10/25/10 02:17	7439-92-1	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	11.2	%	0.10	1		10/25/10 15:03		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042627

Sample: SBI059:SW-26A:S005020 Lab ID: 5042627003 Collected: 10/20/10 18:09 Received: 10/21/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	78.0	mg/kg	2.1	1	10/22/10 00:00	10/25/10 02:23	7439-92-1	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	6.7	%	0.10	1		10/25/10 15:04		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042627

Sample: SBI059:SW-27A:S005020 Lab ID: 5042627004 Collected: 10/20/10 18:11 Received: 10/21/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	236	mg/kg	2.0	1	10/22/10 00:00	10/25/10 02:29	7439-92-1	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	8.2	%	0.10	1		10/25/10 15:04		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042627

Sample: SBI059:SW-28A:S005020 Lab ID: 5042627005 Collected: 10/20/10 18:13 Received: 10/21/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Lead	260	mg/kg	2.0	1	10/22/10 00:00	10/25/10 02:34	7439-92-1	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	3.4	%	0.10	1		10/25/10 15:04		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042627

Sample: SBI059:SW-29A:S005020 Lab ID: 5042627006 Collected: 10/20/10 18:14 Received: 10/21/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	9.5	mg/kg	2.1	1	10/22/10 00:00	10/25/10 02:40	7439-92-1	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	9.5	%	0.10	1		10/25/10 15:04		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042627

Sample: SBI059:SW-30A:S005020 Lab ID: 5042627007 Collected: 10/20/10 18:27 Received: 10/21/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Lead	240	mg/kg	2.0	1	10/22/10 00:00	10/25/10 02:46	7439-92-1	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	3.7	%	0.10	1		10/25/10 15:04		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042627

Sample: SBI059:SW-31A:S005020 **Lab ID: 5042627008** Collected: 10/20/10 18:29 Received: 10/21/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Lead	1120	mg/kg	2.2	1	10/22/10 00:00	10/25/10 02:51	7439-92-1	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	12.9	%	0.10	1		10/25/10 15:04		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042627

Sample: SBI059:SW-32A:S005020 Lab ID: 5042627009 Collected: 10/20/10 18:31 Received: 10/21/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	493	mg/kg	2.1	1	10/22/10 00:00	10/25/10 02:57	7439-92-1	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	10.6	%	0.10	1		10/25/10 15:04		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042627

Sample: SBI059:SW-33A:S005020 Lab ID: 5042627010 Collected: 10/20/10 18:36 Received: 10/21/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Lead	306	mg/kg	2.1	1	10/22/10 00:00	10/25/10 03:03	7439-92-1	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	11.2	%	0.10	1		10/25/10 15:05		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042627

Sample: SBI059:BS-12A:S020020 **Lab ID: 5042627011** Collected: 10/20/10 18:38 Received: 10/21/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Lead	7.6	mg/kg	2.0	1	10/22/10 00:00	10/25/10 03:26	7439-92-1	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	9.1	%	0.10	1		10/25/10 15:05		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042627

Sample: SBI059:BS-13A:S020020 **Lab ID:** 5042627012 Collected: 10/20/10 18:40 Received: 10/21/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	8.1	mg/kg	2.2	1	10/22/10 00:00	10/25/10 03:31	7439-92-1	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	9.5	%	0.10	1		10/25/10 15:05		

QUALITY CONTROL DATA

Project: SBI059
Pace Project No.: 5042627

QC Batch: MPRP/6563 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 5042627001, 5042627002, 5042627003, 5042627004, 5042627005, 5042627006, 5042627007, 5042627008, 5042627009, 5042627010, 5042627011, 5042627012

METHOD BLANK: 497799 Matrix: Solid
Associated Lab Samples: 5042627001, 5042627002, 5042627003, 5042627004, 5042627005, 5042627006, 5042627007, 5042627008, 5042627009, 5042627010, 5042627011, 5042627012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	ND	2.0	10/25/10 01:03	

LABORATORY CONTROL SAMPLE: 497800

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	50	49.1	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 497801 497802

Parameter	Units	5042626001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	89.4	49.2	49.7	129	160	79	143	75-125	22	20	1d,M0

QUALITY CONTROL DATA

Project: SBI059
Pace Project No.: 5042627

QC Batch: PMST/5242 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 5042627001, 5042627002, 5042627003, 5042627004, 5042627005, 5042627006, 5042627007, 5042627008,
5042627009, 5042627010, 5042627011, 5042627012

SAMPLE DUPLICATE: 498766

Parameter	Units	5042627001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	9.8	9.9	2	5	

SAMPLE DUPLICATE: 498767

Parameter	Units	5042587004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	9.1	10.8	16	5	R2

QUALIFIERS

Project: SBI059
Pace Project No.: 5042627

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

1d	RPD is outside control limits due to sample non-homogeneity. FRW 10-24-10
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
R2	RPD value was outside control limits due to matrix interference

5042627

NO.

10/21

CHAIN OF CUSTODY RECORD

Hull & associates, inc.

Dublin, OH
6387 Emerald Parkway
Suite 200
Dublin, OH 43016
Phone: (614) 793-8777
Fax: (614) 793-9070

Indianapolis, IN
4300 Parkway Dr.
Suite 100
Indianapolis, IN 46250
Phone: (317) 558-0568
Fax: (317) 558-0553

Mason, OH
6161 Cochran Road
Suite D
Mason, OH 44139
Phone: (440) 519-2555
Fax: (440) 519-2560

Toledo, OH
3401 Glendale Ave.
Suite 300
Toledo, OH 43614
Phone: (419) 385-2018
Fax: (419) 385-5487

REPORT TO: Doug Stewart

Client: City of South Bend

Site: Norfolk

Project #: SB1051 Phase:

Samplers: Like Wright

- SAMPLE TYPES**
- A - AIR
 - B - ASBESTOS
 - C - SEDIMENT
 - D - GROUNDWATER
 - E - PRODUCT
 - F - SOIL
 - G - WATER
 - H - OTHERS
 - I - Cool only, < 4 deg. C
 - J - HNO3 pH<2
 - K - H2SO4 pH<2
 - L - NaOH pH>12
 - M - ZnAcetate + NaOH, pH>9
 - N - No S O (0.008%)
 - O - HCL pH <2

- PRESERVATIVES**
- A - Cool only, < 4 deg. C
 - B - HNO3 pH<2
 - C - H2SO4 pH<2
 - D - NaOH pH>12
 - E - ZnAcetate + NaOH, pH>9
 - F - No S O (0.008%)
 - G - HCL pH <2

- METALS**
- A - NOT FILTERED
 - B - BOTH

All samples are kept at 4 degrees Celsius.

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE & ID	NO. OF METALS CONT.	COLLECTION DATE/TIME	ANALYSES	COMMENTS
SB1059	BS-10A	S020-020	2	10/20/10	X	001
	BS-11A			1804	X	2
	SW-26A	S005-020		1909	X	3
	SW-27A			1811	X	4
	SW-28A			1813	X	5
	SW-29A			1814	X	6
	SW-30A			1927	X	7
	SW-31A			1929	X	8
	SW-32A			1931	X	9
	SW-33A			1830	X	10
	SW-34A					

RELINQUISHED BY: Doug Stewart DATE: 10/20/10 TIME: 1916

RECEIVED BY: _____ DATE: _____ TIME: _____

RELINQUISHED BY: _____ DATE: _____ TIME: _____

RECEIVED FOR LAB BY: _____ DATE: 10/20/10 TIME: 10:00a

RECEIVED BY: _____ DATE: _____ TIME: _____

COOLER TEMPERATURE AS RECEIVED: 1.0°C

Deliver To: _____

Method of Delivery: _____

Airbill Number: _____

NOTES: _____

TURN AROUND TIME: 3/4 DAYS

USE FedEx: 8728 2166 6097

CHAIN OF CUSTODY RECORD

PAGE 2 OF 3

NO.

Dublin, OH
6397 Emerald Parkway
Dublin, OH 43016
Phone: (614) 793-8777
Fax: (614) 793-9070

Indianapolis, IN
6330 E. 75th St.
Suite 176
Indianapolis, IN 46250
Phone: (317) 558-0558
Fax: (317) 558-0553

Mason, OH
4900 Parkway Dr.
Suite 100
Mason, OH 45040
Phone: (513) 459-9877
Fax: (513) 459-9869

Solon, OH
6161 Cochran Road
Suite D
Solon, OH 44139
Phone: (440) 519-2555
Fax: (440) 519-2560

Toledo, OH
3401 Glendale Ave.
Suite 300
Toledo, OH 43614
Phone: (419) 385-2018
Fax: (419) 385-5487

REPORT TO: Ray Shurt

Client: City of South Bend

Site: Durfolk

Project #: SB1059 Phase: SozD-D20

Samplers: Luca Wright

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE & ID	NO. OF METALS CONT.	COLLECTION DATE/TIME	PRESERVATIVES	METALS FILTERED F - FILTERED N - NOT FILTERED B - BOTH	ANALYSES	COMMENTS
SB1057	: BS-12A	: S02D-D20	2	10/20/10 1838	A - Cool only; -4 deg. C B - HNO3 pH<2 C - H2SO4 pH<2 D - NaOH pH>12 E - Zn/acetic + NaOH, pH>9 F - H2S O (0.008%) G - HCL, pH < 2	X		1211
	↓	: BS-13A	↓	1840		X		1312A
	:	:						
	:	:						
	:	:						
	:	:						
	:	:						
	:	:						
	:	:						
	:	:						
	:	:						
	:	:						
	:	:						

RELINQUISHED BY: [Signature]
DATE: 10/20/10
TIME: 1916

RELINQUISHED BY:
DATE:
TIME:

RELINQUISHED BY:
DATE:
TIME:

COOLER TEMPERATURE AS RECEIVED: 14.00 °C

RECEIVED BY:
DATE:
TIME:

RECEIVED BY:
DATE:
TIME:

RECEIVED FOR LAB BY:
DATE: 10/20/10
TIME: 10:00a

DISTRIBUTION:
WHITE - LAB USE (MUST BE RETURNED WITH REPORT)
YELLOW - LAB USE
PINK - RETAINED BY HULL

Deliver To: _____
Method of Delivery: _____
Airbill Number: _____

NOTES: _____
TURN AROUND TIME: _____ DAYS

Sample Condition Upon Receipt

Face Analytical

Client Name: Hull Project # 50421029

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking #: 872856655487

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other Ziplock

Thermometer Used 1 2 3 4 6 A B C D E Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature 1.0°C Ice Visible in Sample Containers: yes no

Temp should be above freezing to 8°C

Date and Initials of person examining contents: [Signature] 10/2/10

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	5.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
All containers needing preservation have been pH checked? exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	9.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	10.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Project Manager Review		
Samples Arrived within Hold Time:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
Sufficient Volume:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Correct Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature]

Date: 10/2/10

Sample Container Count



CLIENT: fall
 COC PAGE 1 of 2
 COC ID# _____

Project # _____

Sample Line Item	DG9H	AG1U	WG9U	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	Comments
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													

Container Codes	DG9H	AG1U	WG9U	R	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	DG9P	DG9S	DG9T	DG9U	JGFU	U	VG9H	VG9T	VG9U	VSG	WGFX	ZPLC
40mL HCL amber vial																								
1liter unpreserved amber glass																								
4oz clear soil jar																								
terra core kit																								
500mL HNO3 plastic																								
500mL unpreserved plastic																								
500mL H2SO4 plastic																								
250mL HNO3 plastic																								
250mL unpreserved plastic																								
250mL H2SO4 plastic																								
1 liter unpreserved glass																								
1 liter unpreserved plastic																								
40mL TSP amber vial																								
40mL H2SO4 amber vial																								
40mL Na Thio amber vial																								
40mL unpreserved amber vial																								
Wipe/Swab																								
4oz unpreserved amber wide																								
Summa Can																								
40mL HCL clear vial																								
40mL Na Thio. clear vial																								
40mL unpreserved clear vial																								
Headspace septa vial & HCL																								
4oz wide jar w/hexane wipe																								
Ziploc Bag																								

Sample Container Count



CLIENT: Hull

COC PAGE 2 of 2

COC ID# _____

Project # _____

Sample Line

Item	DG9H	AG1U	WGFU	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	Comments
1													
2			22										
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													

Container Codes

Code	Description	Code	Description	Code	Description	Code	Description	Code	Description	Code	Description	Code	Description
DG9H	40mL HCL amber vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial						
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial						
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial						
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial						
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic		Wipe/Swab						
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide						
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac		Summa Can						
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3A	250mL NaOH, Asc Acid plastic	VG9H	40mL HCL clear vial						
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial						
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial						
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla		C	VSG	Headspace septa vial & HCL						
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe						
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag						

October 27, 2010

Mr. Doug Stuart
Hull & Associates
6435 Castleway West Drive
Suite 119
Indianapolis, IN 46250

RE: Project: SBI059
Pace Project No.: 5042626

Dear Mr. Stuart:

Enclosed are the analytical results for sample(s) received by the laboratory on October 21, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kenneth Hunt

kenneth.hunt@pacelabs.com
Project Manager

Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana Certification #: 04076
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

Enclosures

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: SBI059
Pace Project No.: 5042626

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5042626001	SBI059:SW-30B:S005020	Solid	10/20/10 18:52	10/21/10 10:00
5042626002	SBI059:SW-31B:S005020	Solid	10/20/10 18:54	10/21/10 10:00
5042626003	SBI059:SW-32B:S005020	Solid	10/20/10 18:55	10/21/10 10:00
5042626004	SBI059:BS-18B:S020020	Solid	10/20/10 18:57	10/21/10 10:00

REPORT OF LABORATORY ANALYSIS

Page 2 of 10

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SAMPLE ANALYTE COUNT

Project: SBI059
Pace Project No.: 5042626

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5042626001	SBI059:SW-30B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042626002	SBI059:SW-31B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042626003	SBI059:SW-32B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042626004	SBI059:BS-18B:S020020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042626

Sample: SBI059:SW-30B:S005020 Lab ID: 5042626001 Collected: 10/20/10 18:52 Received: 10/21/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	21.9	mg/kg	1.9	1	10/22/10 00:00	10/25/10 01:14	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	5.1	%	0.10	1		10/25/10 15:03		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042626

Sample: SBI059:SW-31B:S005020 Lab ID: 5042626002 Collected: 10/20/10 18:54 Received: 10/21/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	12.1	mg/kg	1.9	1	10/22/10 00:00	10/25/10 01:43	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	5.1	%	0.10	1		10/25/10 15:03		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042626

Sample: SBI059:SW-32B:S005020 Lab ID: 5042626003 Collected: 10/20/10 18:55 Received: 10/21/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	15.5	mg/kg	2.0	1	10/22/10 00:00	10/25/10 01:49	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	6.0	%	0.10	1		10/25/10 15:03		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042626

Sample: SBI059:BS-18B:S020020 Lab ID: 5042626004 Collected: 10/20/10 18:57 Received: 10/21/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	22.0	mg/kg	2.0	1	10/22/10 00:00	10/25/10 01:54	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	7.8	%	0.10	1		10/25/10 15:03		

QUALITY CONTROL DATA

Project: SBI059
Pace Project No.: 5042626

QC Batch: MPRP/6563 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 5042626001, 5042626002, 5042626003, 5042626004

METHOD BLANK: 497799 Matrix: Solid
Associated Lab Samples: 5042626001, 5042626002, 5042626003, 5042626004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	2.0	10/25/10 01:03	

LABORATORY CONTROL SAMPLE: 497800

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	53.2	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 497801 497802

Parameter	Units	5042626001		5042626002		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MS Spike Conc.	MSD Result	MSD Spike Conc.						
Arsenic	mg/kg	21.9	49.2	49.7	63.3	64.9	84	87	75-125	3	20

QUALITY CONTROL DATA

Project: SBI059
Pace Project No.: 5042626

QC Batch: PMST/5241 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 5042626001, 5042626002, 5042626003, 5042626004

SAMPLE DUPLICATE: 498764

Parameter	Units	5042614001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6.6	6.1	7	5	R2

SAMPLE DUPLICATE: 498765

Parameter	Units	5042614015 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.7	19.2	2	5	

QUALIFIERS

Project: SBI059
Pace Project No.: 5042626

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

R2 RPD value was outside control limits due to matrix interference

5046026

NO.

1034

Hull & associates, inc.

CHAIN OF CUSTODY RECORD

Dublin, OH
 6397 Emerald Parkway
 Suite 200
 Dublin, OH 43016
 Phone: (614) 793-8777
 Fax: (614) 793-9070

Indianapolis, IN
 6330 E. 75th St.
 Suite 176
 Indianapolis, IN 46250
 Phone: (317) 558-0558
 Fax: (317) 558-0553

Mason, OH
 4900 Parkway Dr.
 Suite 100
 Mason, OH 45040
 Phone: (513) 459-9877
 Fax: (513) 459-9869

Solon, OH
 8161 Cochran Road
 Suite D
 Solon, OH 44139
 Phone: (440) 519-2555
 Fax: (440) 519-2560

Toledo, OH
 3401 Glendale Ave.
 Suite 300
 Toledo, OH 43614
 Phone: (419) 385-2018
 Fax: (419) 385-5487

REPORT TO: Doug Stewart

Client: City of South Bend

Site: Norfolk

Project #: 581091 Phase: _____

Samplers: Lucien Wright

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE & ID	NO. OF METALS CONT.	COLLECTION DATE/TIME	COMMENTS	PRESERVATIVES		METALS					
						A-Cool only, <4 deg. C	B-HNO ₃ pH<2	C-H ₂ SO ₄ pH<2	D-NaOH pH>12	E-ZnAcetate + NaOH, pH>9	F-NH ₄ S O (0.008%)	G-HCl pH <2	H-NOT FILTERED
581091	SW-30B	5005-020	2	10/20/10 1852	001				X				
	SW-31D		1	1854	2				X				
	SW-32B		1	1855	3				X				
	BS-19B	5020-020	1	1857	4				X				Not needed

RELINQUISHED BY: [Signature] DATE: 10/20/10 TIME: _____

RECEIVED BY: _____ DATE: _____ TIME: _____

RELINQUISHED BY: _____ DATE: 10/19 TIME: _____

RECEIVED BY: _____ DATE: _____ TIME: _____

RELINQUISHED BY: _____ DATE: _____ TIME: _____

RECEIVED FOR LAB BY: [Signature] DATE: 10/21/10 TIME: 10:00a

DISTRIBUTION: _____

COOLER TEMPERATURE AS RECEIVED: 1.0 °C

Deliver To: _____

Method of Delivery: _____

Airbill Number: _____

NOTES: _____

TURN AROUND TIME: 3/4 DAYS

WI Fedex: 8728 5665 5487

Sample Condition Upon Receipt

Face Analytical

Client Name: Holl

Project # 5042626

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking #: 87285665 548 10/21/10

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other Ziplock

Thermometer Used 1 2 3 4 6 A B C D E Type of Ice Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature 1.0°C Ice Visible in Sample Containers: yes no

Temp should be above freezing to 6°C

Date and Initials of person examining contents: DD 10/21/10

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	5.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
All containers needing preservation have been pH checked? <small>exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)</small>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	9.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>10/21/10</u>
Project Manager Review		
Samples Arrived within Hold Time:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
Sufficient Volume:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Correct Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: N

Date: 10/21/10

Sample Container Count



CLIENT: HULL

COC PAGE 1 of 1

COC ID# _____

Project # _____

Sample Line Item	DG9H	AG1U	WGFU	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	Comments
1													
2			2										
3			2										
4			2										
5			2										
6													
7													
8													
9													
10													
11													
12													

Container Codes

DG9H	40mL HCL amber vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic		Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3A	250mL NaOH, Asc Acid plastic	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

October 27, 2010

Mr. Doug Stuart
Hull & Associates
6435 Castleway West Drive
Suite 119
Indianapolis, IN 46250

RE: Project: SBI059
Pace Project No.: 5042676

Dear Mr. Stuart:

Enclosed are the analytical results for sample(s) received by the laboratory on October 22, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kenneth Hunt

kenneth.hunt@pacelabs.com
Project Manager

Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana Certification #: 04076
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 13

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SAMPLE SUMMARY

Project: SBI059
Pace Project No.: 5042676

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5042676001	SBI059:SW-30B:S005025	Solid	10/21/10 16:04	10/22/10 11:18
5042676002	SBI059:SW-31B:S005025	Solid	10/21/10 16:08	10/22/10 11:18
5042676003	SBI059:SW-32B:S005025	Solid	10/21/10 16:10	10/22/10 11:18
5042676004	SBI059:SW-33B:S005025	Solid	10/21/10 16:23	10/22/10 11:18
5042676005	SBI059:SW-34B:S005025	Solid	10/21/10 16:27	10/22/10 11:18
5042676006	SBI059:SW-35B:S005025	Solid	10/21/10 16:25	10/22/10 11:18
5042676007	SBI059:BS-17B:S025025	Solid	10/21/10 16:30	10/22/10 11:18

REPORT OF LABORATORY ANALYSIS

Page 2 of 13

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SAMPLE ANALYTE COUNT

Project: SBI059
Pace Project No.: 5042676

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5042676001	SBI059:SW-30B:S005025	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042676002	SBI059:SW-31B:S005025	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042676003	SBI059:SW-32B:S005025	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042676004	SBI059:SW-33B:S005025	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042676005	SBI059:SW-34B:S005025	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042676006	SBI059:SW-35B:S005025	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042676007	SBI059:BS-17B:S025025	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042676

Sample: SBI059:SW-30B:S005025 Lab ID: 5042676001 Collected: 10/21/10 16:04 Received: 10/22/10 11:18 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	408	mg/kg	2.1	1	10/22/10 00:00	10/25/10 21:37	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	7.6	%	0.10	1		10/25/10 15:13		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042676

Sample: SBI059:SW-31B:S005025 Lab ID: 5042676002 Collected: 10/21/10 16:08 Received: 10/22/10 11:18 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	58.6	mg/kg	2.6	1	10/22/10 00:00	10/25/10 21:43	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	28.2	%	0.10	1		10/25/10 15:13		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042676

Sample: SBI059:SW-32B:S005025 Lab ID: 5042676003 Collected: 10/21/10 16:10 Received: 10/22/10 11:18 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	251	mg/kg	1.9	1	10/22/10 00:00	10/25/10 21:49	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	5.1	%	0.10	1		10/25/10 15:13		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042676

Sample: SBI059:SW-33B:S005025 Lab ID: 5042676004 Collected: 10/21/10 16:23 Received: 10/22/10 11:18 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	161	mg/kg	2.0	1	10/22/10 00:00	10/25/10 21:55	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	5.7	%	0.10	1		10/25/10 15:14		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042676

Sample: SBI059:SW-34B:S005025 Lab ID: 5042676005 Collected: 10/21/10 16:27 Received: 10/22/10 11:18 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	214	mg/kg	2.0	1	10/22/10 00:00	10/25/10 22:00	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	7.8	%	0.10	1		10/25/10 15:14		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042676

Sample: SBI059:SW-35B:S005025 Lab ID: 5042676006 Collected: 10/21/10 16:25 Received: 10/22/10 11:18 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	63.9	mg/kg	2.1	1	10/22/10 00:00	10/25/10 22:06	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	7.1	%	0.10	1		10/25/10 15:14		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042676

Sample: SBI059:BS-17B:S025025 Lab ID: 5042676007 Collected: 10/21/10 16:30 Received: 10/22/10 11:18 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	8.8	mg/kg	2.2	1	10/22/10 00:00	10/25/10 22:12	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	11.7	%	0.10	1		10/25/10 15:14		

QUALITY CONTROL DATA

Project: SBI059
Pace Project No.: 5042676

QC Batch: MPRP/6567 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 5042676001, 5042676002, 5042676003, 5042676004, 5042676005, 5042676006, 5042676007

METHOD BLANK: 498289 Matrix: Solid
Associated Lab Samples: 5042676001, 5042676002, 5042676003, 5042676004, 5042676005, 5042676006, 5042676007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	2.0	10/25/10 19:26	

LABORATORY CONTROL SAMPLE: 498290

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	52.1	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 498291 498292

Parameter	Units	5042674016		MS		MSD		% Rec		Max		Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	
Arsenic	mg/kg	7.2	49.5	49	49	51.5	50.6	89	88	75-125	2	20

QUALITY CONTROL DATA

Project: SBI059

Pace Project No.: 5042676

QC Batch: PMST/5245

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 5042676001, 5042676002, 5042676003, 5042676004, 5042676005, 5042676006, 5042676007

SAMPLE DUPLICATE: 498774

Parameter	Units	5042676001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.6	8.5	12	5	R2

SAMPLE DUPLICATE: 498775

Parameter	Units	5042715006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.6	8.7	13	5	R2

QUALIFIERS

Project: SBI059
Pace Project No.: 5042676

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

R2 RPD value was outside control limits due to matrix interference



CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

NO.

5042676

REPORT TO: Doug Stewart

Client: City of South Bend

Site: Alto Fork

Project #: 501059 Phase: Water Wtght

Samplers: Water Wtght

Dublin, OH 6337 Emerald Parkway Suite 200 Dublin, OH 43016 Phone: (614) 793-8777 Fax: (614) 793-9070
 Indianapolis, IN 6330 E. 75th St. Suite 176 Indianapolis, IN 46250 Phone: (317) 558-0558 Fax: (317) 558-0553
 Mason, OH 4900 Parkway Dr. Suite 100 Mason, OH 45040 Phone: (513) 459-9677 Fax: (513) 459-9869
 Solon, OH 6161 Cochran Road Suite D Solon, OH 44139 Phone: (440) 519-2555 Fax: (440) 519-2560
 Toledo, OH 3407 Glendale Ave. Suite 300 Toledo, OH 43614 Phone: (419) 385-2018 Fax: (419) 385-5487

SAMPLE TYPES: A-AIR, B-ASBESTOS, C-SEDIMENT, D-GROUNDWATER, E-PRODUCT, F-SOIL, G-WATER, H-OTHERS
 PRESERVATIVES: A-Cool only, <4 deg. C, B-HNO3 pH<2, C-H2SO4 pH<2, D- NaOH pH<12, E-ZnAcetate + NaOH, pH<9, F-Na2S O (0.005%), G-HCL pH<2
 METALS: F-FILTERED, N-NOT FILTERED, B-BOTH
 All samples are kept at 4 degrees Celsius.

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE & ID	NO. OF METALS CONT.	COLLECTION DATE/TIME	COMMENTS
81059	SW-30B	5005-025	2	10/21/10	001
	SW-31B			1608	2
	SW-32B			1610	3
	SW-33B			1623	4
	SW-34B			1627	5
	SW-35B			1625	6
	BS-17B	5025-025		1630	7

RELINQUISHED BY: Doug Stewart DATE: 10/21/10

RELINQUISHED BY: DATE: 1646

RELINQUISHED BY: DATE: TIME: RECEIVED FOR LAB BY: Kathy Eddy Pace

DISTRIBUTION: WHITE - LAB USE (MUST BE RETURNED WITH REPORT), YELLOW - LAB USE, PINK - RETAINED BY HULL

COOLER TEMPERATURE AS RECEIVED: 3.0 °C

DELIVER TO: _____ DATE: _____

METHOD OF DELIVERY: _____

AIRBILL NUMBER: _____

NOTES: _____

TURN AROUND TIME: 3/1 DAYS

W/I Fed. Env. # 8735 8484 6800

Sample Condition Upon Receipt



Face Analytical

Client Name: Hull & Assoc,

Project # 5042676

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking #: 8735 8484 6800

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other _____

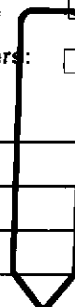
Thermometer Used 1 2 3 4 5 A B C D E Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature 3.0°C Ice Visible in Sample Containers: yes no

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 10-22-10 ke

Comments:



Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	5.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. <u>3/4 day TAT</u>
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
All containers needing preservation have been pH checked? exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	9.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Project Manager Review		
Samples Arrived within Hold Time:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
Sufficient Volume:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ N

Date: 10/22/10

Sample Container Count



CLIENT: Hull + Assoc.
 COC PAGE 1 of 1
 COC ID# _____

Project # _____

Sample Line Item	DG9H	AG1U	WG9U	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	Comments
1													
2			2										
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													

Container Codes	40mL HCL amber vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
DG9H	40mL HCL amber vial	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
AG1U	1 liter unpreserved amber glass	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
WG9U	4oz clear soil jar	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
R	terra core kit	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic		Wipe/Swab
BP2N	500mL HNO3 plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2U	500mL unpreserved plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP2S	500mL H2SO4 plastic	AG3U	250mL unpreserved amber gla	BP3A	250mL NaOH, Asc Acid plastic	VG9H	40mL HCL clear vial
BP3N	250mL HNO3 plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3U	250mL unpreserved plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
BP3S	250mL H2SO4 plastic	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG3S	250mL H2SO4 glass amber	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
AG1S	1 liter H2SO4 amber glass	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag
BP1U	1 liter unpreserved plastic						

November 01, 2010

Mr. Doug Stuart
Hull & Associates
6435 Castleway West Drive
Suite 119
Indianapolis, IN 46250

RE: Project: SBI059
Pace Project No.: 5042885

Dear Mr. Stuart:

Enclosed are the analytical results for sample(s) received by the laboratory on October 28, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Tina Sayer for
Kenneth Hunt
kenneth.hunt@pacelabs.com
Project Manager

Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana Certification #: 04076
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

Enclosures

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: SBI059
Pace Project No.: 5042885

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5042885001	SBI059:BS-19B:S025025	Solid	10/27/10 14:37	10/28/10 12:18
5042885002	SBI059:SW-36B:S005020	Solid	10/27/10 14:35	10/28/10 12:18
5042885003	SBI059:SW-37B:S005020	Solid	10/27/10 15:05	10/28/10 12:18
5042885004	SBI059:SW-38B:S005020	Solid	10/27/10 15:07	10/28/10 12:18
5042885005	SBI059:SW-39B:S005020	Solid	10/27/10 15:12	10/28/10 12:18
5042885006	SBI059:SW-40B:S005020	Solid	10/27/10 15:14	10/28/10 12:18
5042885007	SBI059:SW-41B:S005020	Solid	10/27/10 15:15	10/28/10 12:18
5042885008	SBI059:SW-42B:S005020	Solid	10/27/10 15:28	10/28/10 12:18
5042885009	SBI059:SW-43B:S005020	Solid	10/27/10 15:29	10/28/10 12:18
5042885010	SBI059:SW-44B:S005020	Solid	10/27/10 15:31	10/28/10 12:18
5042885011	SBI059:SW-45B:S005020	Solid	10/27/10 15:40	10/28/10 12:18
5042885012	SBI059:SW-46B:S005020	Solid	10/27/10 15:41	10/28/10 12:18
5042885013	SBI059:SW-47B:S005020	Solid	10/27/10 15:42	10/28/10 12:18
5042885014	SBI059:SW-34A:S005020	Solid	10/27/10 16:02	10/28/10 12:18
5042885015	SBI059:SW-35A:S005020	Solid	10/27/10 16:04	10/28/10 12:18
5042885016	SBI059:SW-36A:S005020	Solid	10/27/10 16:06	10/28/10 12:18
5042885017	SBI059:SW-35A:S005020A	Solid	10/27/10 16:05	10/28/10 12:18

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: SBI059
Pace Project No.: 5042885

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5042885001	SBI059:BS-19B:S025025	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042885002	SBI059:SW-36B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042885003	SBI059:SW-37B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042885004	SBI059:SW-38B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042885005	SBI059:SW-39B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042885006	SBI059:SW-40B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042885007	SBI059:SW-41B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042885008	SBI059:SW-42B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042885009	SBI059:SW-43B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042885010	SBI059:SW-44B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042885011	SBI059:SW-45B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042885012	SBI059:SW-46B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042885013	SBI059:SW-47B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042885014	SBI059:SW-34A:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042885015	SBI059:SW-35A:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042885016	SBI059:SW-36A:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042885017	SBI059:SW-35A:S005020A	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042885

Sample: SBI059:BS-19B:S025025 Lab ID: 5042885001 Collected: 10/27/10 14:37 Received: 10/28/10 12:18 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	10.5	mg/kg	2.1	1	10/29/10 00:00	10/30/10 18:39	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	11.1	%	0.10	1		10/29/10 15:42		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042885

Sample: SBI059:SW-36B:S005020 Lab ID: 5042885002 Collected: 10/27/10 14:35 Received: 10/28/10 12:18 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	14.5	mg/kg	2.0	1	10/29/10 00:00	10/30/10 19:25	7440-38-2	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	7.4	%	0.10	1	10/29/10 15:42			

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042885

Sample: SBI059:SW-37B:S005020 Lab ID: 5042885003 Collected: 10/27/10 15:05 Received: 10/28/10 12:18 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	351	mg/kg	2.2	1	10/29/10 00:00	10/30/10 19:31	7440-38-2	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	15.8	%	0.10	1		10/29/10 15:42		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042885

Sample: SBI059:SW-38B:S005020 Lab ID: 5042885004 Collected: 10/27/10 15:07 Received: 10/28/10 12:18 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	109	mg/kg	2.1	1	10/29/10 00:00	10/30/10 19:36	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	7.0	%	0.10	1		10/29/10 15:42		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042885

Sample: SBI059:SW-39B:S005020 Lab ID: 5042885005 Collected: 10/27/10 15:12 Received: 10/28/10 12:18 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	301	mg/kg	2.1	1	10/29/10 00:00	10/30/10 19:42	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	11.4	%	0.10	1		10/29/10 15:42		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042885

Sample: SBI059:SW-40B:S005020 Lab ID: 5042885006 Collected: 10/27/10 15:14 Received: 10/28/10 12:18 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	287	mg/kg	2.3	1	10/29/10 00:00	10/30/10 19:48	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	14.8	%	0.10	1		10/29/10 15:43		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042885

Sample: SBI059:SW-41B:S005020 Lab ID: 5042885007 Collected: 10/27/10 15:15 Received: 10/28/10 12:18 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	20.5	mg/kg	2.1	1	10/29/10 00:00	10/30/10 19:54	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	8.7	%	0.10	1		10/29/10 15:43		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042885

Sample: SBI059:SW-42B:S005020 Lab ID: 5042885008 Collected: 10/27/10 15:28 Received: 10/28/10 12:18 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	65.4	mg/kg	2.0	1	10/29/10 00:00	10/30/10 19:59	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	6.3	%	0.10	1		10/29/10 15:43		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042885

Sample: SBI059:SW-43B:S005020 Lab ID: 5042885009 Collected: 10/27/10 15:29 Received: 10/28/10 12:18 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	41.1	mg/kg	2.0	1	10/29/10 00:00	10/30/10 20:05	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	7.3	%	0.10	1		10/29/10 15:43		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042885

Sample: SBI059:SW-44B:S005020 Lab ID: 5042885010 Collected: 10/27/10 15:31 Received: 10/28/10 12:18 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	104	mg/kg	2.3	1	10/29/10 00:00	10/30/10 20:11	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	17.8	%	0.10	1		10/29/10 15:43		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042885

Sample: SBI059:SW-45B:S005020 Lab ID: 5042885011 Collected: 10/27/10 15:40 Received: 10/28/10 12:18 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	27.4	mg/kg	2.0	1	10/29/10 00:00	10/30/10 20:28	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	5.3	%	0.10	1		10/29/10 15:43		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042885

Sample: SBI059:SW-46B:S005020 Lab ID: 5042885012 Collected: 10/27/10 15:41 Received: 10/28/10 12:18 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	14.7	mg/kg	2.1	1	10/29/10 00:00	10/30/10 20:34	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	11.2	%	0.10	1		10/29/10 15:43		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042885

Sample: SBI059:SW-47B:S005020 Lab ID: 5042885013 Collected: 10/27/10 15:42 Received: 10/28/10 12:18 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	17.1	mg/kg	2.2	1	10/29/10 00:00	10/30/10 20:39	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	14.2	%	0.10	1		10/29/10 15:43		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042885

Sample: SBI059:SW-34A:S005020 Lab ID: 5042885014 Collected: 10/27/10 16:02 Received: 10/28/10 12:18 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	282	mg/kg	2.3	1	10/29/10 00:00	10/30/10 20:45	7439-92-1	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	14.5	%	0.10	1		10/29/10 15:44		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042885

Sample: SBI059:SW-35A:S005020 Lab ID: 5042885015 Collected: 10/27/10 16:04 Received: 10/28/10 12:18 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	163	mg/kg	2.3	1	10/29/10 00:00	10/30/10 20:51	7439-92-1	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	13.1	%	0.10	1	10/29/10 15:44			

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042885

Sample: SBI059:SW-36A:S005020 Lab ID: 5042885016 Collected: 10/27/10 16:06 Received: 10/28/10 12:18 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Lead	586	mg/kg	2.1	1	10/29/10 00:00	10/30/10 20:56	7439-92-1	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	13.1	%	0.10	1		10/29/10 15:44		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5042885

Sample: SBI059:SW-35A:S005020A **Lab ID: 5042885017** Collected: 10/27/10 16:05 Received: 10/28/10 12:18 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	205	mg/kg	2.2	1	10/29/10 00:00	10/30/10 21:02	7439-92-1	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	13.2	%	0.10	1	10/29/10 15:44			

QUALITY CONTROL DATA

Project: SBI059
Pace Project No.: 5042885

QC Batch: MPRP/6602 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 5042885001, 5042885002, 5042885003, 5042885004, 5042885005, 5042885006, 5042885007, 5042885008, 5042885009, 5042885010, 5042885011, 5042885012, 5042885013, 5042885014, 5042885015, 5042885016, 5042885017

METHOD BLANK: 500799 Matrix: Solid
Associated Lab Samples: 5042885001, 5042885002, 5042885003, 5042885004, 5042885005, 5042885006, 5042885007, 5042885008, 5042885009, 5042885010, 5042885011, 5042885012, 5042885013, 5042885014, 5042885015, 5042885016, 5042885017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	2.0	10/30/10 18:16	
Lead	mg/kg	ND	2.0	10/30/10 18:16	

LABORATORY CONTROL SAMPLE: 500800

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	51.6	103	80-120	
Lead	mg/kg	50	49.3	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 500801 500802

Parameter	Units	5042885001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	10.5	53.1	51.6	60.5	58.7	94	93	75-125	3	20	
Lead	mg/kg	64.7	53.1	51.6	121	115	106	97	75-125	5	20	

QUALITY CONTROL DATA

Project: SBI059
Pace Project No.: 5042885

QC Batch: PMST/5264 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 5042885001, 5042885002, 5042885003, 5042885004, 5042885005, 5042885006, 5042885007, 5042885008, 5042885009, 5042885010, 5042885011, 5042885012, 5042885013, 5042885014, 5042885015, 5042885016, 5042885017

SAMPLE DUPLICATE: 501340

Parameter	Units	5042858006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	9.4	9.7	3	5	

SAMPLE DUPLICATE: 501341

Parameter	Units	5042885017 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	13.2	12.7	4	5	

QUALIFIERS

Project: SBI059

Pace Project No.: 5042885

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.



✓ Dublin, OH
6397 Emerald Parkway
Suite 200
Dublin, OH 43016
Phone: (614) 793-8777
Fax: (614) 793-8070

✓ Indianapolis, IN
6330 E. 75th St.
Suite 176
Indianapolis, IN 46250
Phone: (317) 558-0555
Fax: (317) 558-0553

✓ Mason, OH
4900 Parkway Dr.
Suite 100
Mason, OH 45040
Phone: (513) 459-9677
Fax: (513) 459-9869

✓ Solon, OH
6161 Cochran Road
Suite D
Solon, OH 44139
Phone: (440) 519-2555
Fax: (440) 519-2860

✓ Toledo, OH
3401 Glendale Ave.
Suite 300
Toledo, OH 43614
Phone: (419) 385-2018
Fax: (419) 385-5487

REPORT TO: Doug Shwert

Client: City of South Bend

Site: SB1059 Norfolk

Project #: SB051 Phase:

Samplers: Lake Weight

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE & ID	NO. OF METALS CONT.	METALS	COLLECTION DATE/TIME	COMMENTS
581059	BS-190	5025-025	2	✓	10/27/10 1437	X -
	SU-36B	5005-020	2	✓	1435	X -
	SU-37B				1505	X -
	SU-38B				1507	X -
	SU-39B				1512	X -
	SU-40B				1511	X -
	SU-41B				1515	X -
	SU-42B				1529	X -
	SU-43B				1529	X -
	SU-44B				1531	X -
	SU-45B				1510	X -
	SU-46B				1511	X -

Vertical text: M.T.M.C.

Vertical text: SB47885

RELINQUISHED BY: John W. [Signature]

DATE: 10/27/10
TIME: 15:23

RECEIVED BY: No [Signature]

DATE: 10/28/10
TIME: 12:18

DELIVER TO: _____
METHOD OF DELIVERY: _____
AIRBILL NUMBER: _____

NOTES: _____

COOLER TEMPERATURE 2.6 °C
AS RECEIVED:

DISTRIBUTION:
WHITE
YELLOW
PINK
- LAB USE (MUST BE RETURNED WITH REPORT)
- LAB USE
- RETAINED BY HULL

TURN AROUND TIME: 1 DAYS

CHAIN OF CUSTODY RECORD

CHAIN OF CUSTODY RECORD

NO.

Dublin, OH
6387 Emerald Parkway
Suite 200
Dublin, OH 43018
Phone: (614) 793-8777
Fax: (614) 793-8070

Indianapolis, IN
6330 E. 75th St.
Suite 176
Indianapolis, IN 46250
Phone: (317) 558-0558
Fax: (317) 558-0553

Mason, OH
4900 Parkway Dr.
Suite 100
Mason, OH 45040
Phone: (513) 459-9877
Fax: (513) 459-9869

Solon, OH
6161 Cochran Road
Suite D
Solon, OH 44138
Phone: (440) 519-2855
Fax: (440) 519-2860

Toledo, OH
3401 Glendale Ave.
Suite 300
Toledo, OH 43614
Phone: (419) 385-2018
Fax: (419) 385-5487

REPORT TO: Doug Stewart

Client: City of South Bend
Site: SB1059 Mar Fork
Project #: SB1059 Phase:
Samplers: Luke Wright

SAMPLE TYPES
A - AIR
B - ASBESTOS
C - SEDIMENT
D - GROUNDWATER
E - PRODUCT
F - SOIL
G - WATER
H - OTHERS

PRESERVATIVES
A - Cool only, <4 deg. C
B - HNO₃ pH=2
C - H₂SO₄ pH=2
D - NaOH pH=12
E - ZnAcetate + NaOH, pH=9
F - Hg, S O (0.005%)
G - HCL, pH <2

METALS
F - FILTERED
N - NOT FILTERED
B - BOTH

PROJECT NO. SAMPLE LOCATION SAMPLE TYPE & ID NO. OF METALS COLLECTION DATE/TIME

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE & ID	NO. OF METALS	COLLECTION DATE/TIME	ANALYSES	COMMENTS
SB1059	SW-47B	S005-020	2	10/27/10 15:12	X	504885
	SW-34A			1602	X	-013
	SW-35A			1604	X	-014
	SW-36A			1606	X	-015
	SW-35A Dup			1605	X	-016
						* Duplicate - 012

PRESERVATIVES

DATE	TIME	DELIVER TO	METHOD OF DELIVERY	AIRBILL NUMBER	NOTES

RELINQUISHED BY: [Signature] DATE: 10/27/10 TIME: 15:48

RELINQUISHED BY: [Signature] DATE: 10/28/10 TIME: 12:18

RELINQUISHED BY: [Signature] DATE: 10/28/10 TIME: 12:18

COOLER TEMPERATURE AS RECEIVED: 2.6 °C

RECEIVED BY: [Signature] DATE: 10/28/10 TIME: 12:18

RECEIVED BY: [Signature] DATE: 10/28/10 TIME: 12:18

RECEIVED FOR LAB BY: [Signature] DATE: 10/28/10 TIME: 12:18

DISTRIBUTION: [Signature]

LAB USE (MUST BE RETURNED WITH REPORT)
- LAB USE
- LAB USE
- RETAINED BY HULL

TURN AROUND TIME: _____ DAYS

Sample Condition Upon Receipt

Face Analytical

Client Name: Hull

Project # 5042885

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking #: 8735 604788000

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other Box/Ice/Ziploc

Thermometer Used 1 2 3 4 6 A B C D E Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature 2-6° Ice Visible in Sample Containers: yes no

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 10/28/10 KC

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	5.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. <u>1 DAY</u>
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
All containers needing preservation have been pH checked? exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	9.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Project Manager Review		
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review:

Kenneth Hunt

Date: 10/28/10

Sample Container Count

CLIENT: Well
 COC PAGE 1 of 2
 COC ID# 5046885



Project # 5046885

Sample Line Item	DG9H	AG1U	WG9U	R	4/6	BP2N	BP2U	BF2S	BP3N	BP3U	BP3S	AG3S	AG1H	Comments
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														

Container Codes	DG9H	AG1U	WG9U	R	4/6	BP2N	BP2U	BF2S	BP3N	BP3U	BP3S	AG3S	AG1H	Comments
DG9H	40mL HCL	amber vial												
AG1U	1liter unpreserved	amber glass												
WG9U	4oz clear soil jar													
R	terra core kit													
BP2N	500mL HNO3	plastic												
BP2U	500mL unpreserved	plastic												
BP2S	500mL H2SO4	plastic												
BP3N	250mL HNO3	plastic												
BP3U	250mL unpreserved	plastic												
BP3S	250mL H2SO4	plastic												
AG3S	250mL H2SO4	glass amber												
AG1S	1 liter H2SO4	amber glass												
BP1U	1 liter unpreserved	plastic												

Sample Container Count



CLIENT: HUI
 COC PAGE: 2 of 2
 COC ID#: _____

Project # 5242885

Sample Line Item	DG9H	AG1U	WGFU	R	4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	Comments
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														

Container Codes	DG9H	40mL HCL	amber vial	AF	Air Filter	BP1N	1 liter HNO3	plastic	DG9P	40mL TSP	amber vial
DG9H	40mL HCL	amber vial	AF	Air Filter	BP1N	1 liter HNO3	plastic	DG9P	40mL TSP	amber vial	
AG1U	1 liter unpreserved	amber glass	AG1H	1 liter HCL	BP1S	1 liter H2SO4	plastic	DG9S	40mL H2SO4	amber vial	
WGFU	4oz clear soil jar		AG1S	1 liter H2SO4	BP1U	1 liter unpreserved	plastic	DG9T	40mL Na Thio	amber vial	
R	terra core kit		AG1T	1 liter Na Thiosulfate	BP1Z	1 liter NaOH, Zn, Ac		DG9U	40mL unpreserved	amber vial	
BP2N	500mL HNO3	plastic	AG2N	500mL HNO3	BP2A	500mL NaOH, Asc	Acid plastic		Wipe/Swab		
BP2U	500mL unpreserved	plastic	AG2S	500mL H2SO4	BP2O	500mL NaOH	plastic	JGFU	4oz unpreserved	amber wide	
BP2S	500mL H2SO4	plastic	AG2U	500mL unpreserved	BP2Z	500mL NaOH, Zn Ac			Summa Can		
BP3N	250mL HNO3	plastic	AG3U	250mL unpreserved	BP3A	250mL NaOH, Asc	Acid plastic	VG9H	40mL HCL	clear vial	
BP3U	250mL unpreserved	plastic	BG1H	1 liter HCL	BP3C	250mL NaOH	plastic	VG9T	40mL Na Thio.	clear vial	
BP3S	250mL H2SO4	plastic	BG1S	1 liter H2SO4	BP3Z	250mL NaOH, Zn Ac	plastic	VG9U	40mL unpreserved	clear vial	
AG3S	250mL H2SO4	glass amber	BG1T	1 liter Na Thiosulfate	C	Air Cassettes		VSG	Headspace septa	vial & HCL	
AG1S	1 liter H2SO4	amber glass	BG1U	1 liter unpreserved	DG9B	40mL Na Bisulfate	amber vial	WGFX	4oz wide jar	w/hexane wipe	
BP1U	1 liter unpreserved	plastic	BP1A	1 liter NaOH, Asc	DG9M	40mL MeOH	clear vial	ZPLC	Ziptoc	Bag	

November 09, 2010

Mr. Doug Stuart
Hull & Associates
6435 Castleway West Drive
Suite 119
Indianapolis, IN 46250

RE: Project: SBI059
Pace Project No.: 5043178

Dear Mr. Stuart:

Enclosed are the analytical results for sample(s) received by the laboratory on November 05, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kenneth Hunt

kenneth.hunt@pacelabs.com
Project Manager

Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana Certification #: 04076
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 18

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SAMPLE SUMMARY

Project: SBI059
Pace Project No.: 5043178

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5043178001	SBI059:SW-48B:S005020	Solid	11/04/10 13:20	11/05/10 13:20
5043178002	SBI059:SW-49B:S005020	Solid	11/04/10 13:22	11/05/10 13:20
5043178003	SBI059:SW-50B:S005020	Solid	11/04/10 13:25	11/05/10 13:20
5043178004	SBI059:SW-51B:S005020	Solid	11/04/10 13:29	11/05/10 13:20
5043178005	SBI059:SW-52B:S005020	Solid	11/04/10 13:30	11/05/10 13:20
5043178006	SBI059:SW-53B:S005020	Solid	11/04/10 13:43	11/05/10 13:20
5043178007	SBI059:SW-54B:S005020	Solid	11/04/10 13:45	11/05/10 13:20
5043178008	SBI059:SW-55B:S005020	Solid	11/04/10 13:48	11/05/10 13:20
5043178009	SBI059:SW-56B:S005020	Solid	11/04/10 13:50	11/05/10 13:20
5043178010	SBI059:SW-57B:S005020	Solid	11/04/10 13:55	11/05/10 13:20
5043178011	SBI059:SW-50B:S005020A	Solid	11/04/10 13:35	11/05/10 13:20
5043178012	SBI059:SW-58B:S005020	Solid	11/04/10 13:56	11/05/10 13:20

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: SBI059
Pace Project No.: 5043178

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5043178001	SBI059:SW-48B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5043178002	SBI059:SW-49B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5043178003	SBI059:SW-50B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5043178004	SBI059:SW-51B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5043178005	SBI059:SW-52B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5043178006	SBI059:SW-53B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5043178007	SBI059:SW-54B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5043178008	SBI059:SW-55B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5043178009	SBI059:SW-56B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5043178010	SBI059:SW-57B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5043178011	SBI059:SW-50B:S005020A	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5043178012	SBI059:SW-58B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5043178

Sample: SBI059:SW-48B:S005020 Lab ID: 5043178001 Collected: 11/04/10 13:20 Received: 11/05/10 13:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	7.9	mg/kg	2.0	1	11/06/10 00:00	11/08/10 11:04	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	6.5	%	0.10	1		11/06/10 14:32		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5043178

Sample: SBI059:SW-49B:S005020 Lab ID: 5043178002 Collected: 11/04/10 13:22 Received: 11/05/10 13:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	13.3	mg/kg	2.0	1	11/06/10 00:00	11/08/10 11:44	7440-38-2	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	8.3	%	0.10	1	11/06/10 14:33			

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5043178

Sample: SBI059:SW-50B:S005020 Lab ID: 5043178003 Collected: 11/04/10 13:25 Received: 11/05/10 13:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	281	mg/kg	2.1	1	11/06/10 00:00	11/08/10 11:50	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	8.1	%	0.10	1		11/06/10 14:33		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5043178

Sample: SBI059:SW-51B:S005020 Lab ID: 5043178004 Collected: 11/04/10 13:29 Received: 11/05/10 13:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	10.8	mg/kg	2.0	1	11/06/10 00:00	11/08/10 11:55	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	8.6	%	0.10	1		11/06/10 14:33		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5043178

Sample: SBI059:SW-52B:S005020 Lab ID: 5043178005 Collected: 11/04/10 13:30 Received: 11/05/10 13:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	140	mg/kg	2.1	1	11/06/10 00:00	11/08/10 12:01	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	9.1	%	0.10	1		11/06/10 14:33		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5043178

Sample: SBI059:SW-53B:S005020 Lab ID: 5043178006 Collected: 11/04/10 13:43 Received: 11/05/10 13:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	7.8	mg/kg	2.1	1	11/06/10 00:00	11/08/10 12:07	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	10.1	%	0.10	1		11/06/10 14:34		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5043178

Sample: SBI059:SW-54B:S005020 Lab ID: 5043178007 Collected: 11/04/10 13:45 Received: 11/05/10 13:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	11.0	mg/kg	2.1	1	11/06/10 00:00	11/08/10 12:12	7440-38-2	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	8.4	%	0.10	1		11/06/10 14:34		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5043178

Sample: SBI059:SW-55B:S005020 **Lab ID: 5043178008** Collected: 11/04/10 13:48 Received: 11/05/10 13:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	61.2	mg/kg	2.0	1	11/06/10 00:00	11/08/10 12:18	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	6.1	%	0.10	1		11/06/10 14:34		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5043178

Sample: SBI059:SW-56B:S005020 Lab ID: 5043178009 Collected: 11/04/10 13:50 Received: 11/05/10 13:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	147	mg/kg	2.1	1	11/06/10 00:00	11/08/10 12:24	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	5.6	%	0.10	1		11/06/10 14:34		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5043178

Sample: SBI059:SW-57B:S005020 Lab ID: 5043178010 Collected: 11/04/10 13:55 Received: 11/05/10 13:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	13.7	mg/kg	2.1	1	11/06/10 00:00	11/08/10 12:46	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	9.4	%	0.10	1		11/06/10 14:34		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5043178

Sample: SBI059:SW-50B:S005020A Lab ID: 5043178011 Collected: 11/04/10 13:35 Received: 11/05/10 13:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	55.5	mg/kg	2.0	1	11/06/10 00:00	11/08/10 12:52	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	7.6	%	0.10	1		11/06/10 14:34		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5043178

Sample: SBI059:SW-58B:S005020 Lab ID: 5043178012 Collected: 11/04/10 13:56 Received: 11/05/10 13:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	5.4	mg/kg	2.0	1	11/06/10 00:00	11/08/10 12:58	7440-38-2	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	6.2	%	0.10	1		11/06/10 14:34		

QUALITY CONTROL DATA

Project: SBI059
Pace Project No.: 5043178

QC Batch: MPRP/6650 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 5043178001, 5043178002, 5043178003, 5043178004, 5043178005, 5043178006, 5043178007, 5043178008, 5043178009, 5043178010, 5043178011, 5043178012

METHOD BLANK: 504504 Matrix: Solid
Associated Lab Samples: 5043178001, 5043178002, 5043178003, 5043178004, 5043178005, 5043178006, 5043178007, 5043178008, 5043178009, 5043178010, 5043178011, 5043178012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	2.0	11/08/10 08:01	

LABORATORY CONTROL SAMPLE: 504505

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	49.4	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 504506 504507

Parameter	Units	5043178001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	7.9	49.5	49.9	60.1	55.8	105	96	75-125	7	20	

QUALITY CONTROL DATA

Project: SBI059
Pace Project No.: 5043178

QC Batch:	PMST/5289	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	5043178001, 5043178002, 5043178003, 5043178004, 5043178005, 5043178006, 5043178007, 5043178008, 5043178009, 5043178010, 5043178011, 5043178012		

SAMPLE DUPLICATE: 504631

Parameter	Units	5043178001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6.5	6.3	4	5	

SAMPLE DUPLICATE: 504632

Parameter	Units	5043115008 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10.4	10.4	.07	5	

QUALIFIERS

Project: SBI059

Pace Project No.: 5043178

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

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Hull & Associates, Inc.

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

NO. _____

Dublin, OH
6387 Emerald Parkway
Suite 200
Dublin, OH 43016
Phone: (614) 793-8777
Fax: (614) 793-9070

Indianapolis, IN
6530 E. 75th St.
Suite 176
Indianapolis, IN 46250
Phone: (317) 558-0568
Fax: (317) 558-0563

Mason, OH
4900 Parkway Dr.
Suite 100
Mason, OH 45040
Phone: (513) 458-9877
Fax: (513) 458-9869

Salon, OH
6161 Cochran Road
Suite D
Salon, OH 44139
Phone: (440) 519-2555
Fax: (440) 519-2560

Toledo, OH
3401 Glendale Ave.
Suite 300
Toledo, OH 43614
Phone: (419) 385-2018
Fax: (419) 385-5487

REPORT TO: Davey Stewart

Client: City of South Bend
Site: North Fork
Project #: SB1059 Phase: _____
Samplers: Luke Wright

SAMPLE TYPES
A - AIR
C - ASBESTOS
D - SEDIMENT
G - GROUNDWATER
P - PRODUCT
S - SOIL
W - WATER
Z - OTHERS

PRESERVATIVES
A - Cool only, < 4 deg. C
B - HClO₄ pH=2
C - H₂SO₄ pH=2
D - NiOH pH=12
E - Zinkoxide + NaOH, pH=9
F - H₂O (0.006%)
G - HCl, pH=2

METALS
M - NOT FILTERED
N - NOT FILTERED
B - BOTH

All samples are kept at 4 degrees Celsius.

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE & ID	NO. OF CONT.	METALS	COLLECTION DATE/TIME	COMMENTS
SB1059	: SW-48B	: S005-020	2	✓	11/4/10 1320	-001
	: SW-49B				1322	-002
	: SW-50B				1325	-003
	: SW-51B				1329	-004
	: SW-52B				1330	-005
	: SW-53B				1333	-006
	: SW-54B				1345	-007
	: SW-55B				1348	-008
	: SW-56B				1350	-009
	: SW-57B				1355	-010
	: SW-50B01				1355	Duplicate -011
	: SW-59B				1356	-012

RELINQUISHED BY: Luke Wright DATE: 11/9/10 TIME: 10:17

RECEIVED BY: Zobran Tekel DATE: 11/5/10 TIME: 11:20

RELINQUISHED BY: _____ DATE: _____ TIME: _____

RECEIVED BY: _____ DATE: _____ TIME: _____

RELINQUISHED BY: _____ DATE: _____ TIME: _____

RECEIVED FOR LAB BY: _____ DATE: _____ TIME: _____

COOLER TEMPERATURE AS RECEIVED: 1.6°C °C

DISTRIBUTION:
WHITE - LAB USE (MUST BE RETURNED WITH REPORT)
YELLOW - LAB USE
PINK - RETAINED BY HULL

Deliver To: _____
Method of Delivery: _____
Airbill Number: _____
NOTES: _____
TURN AROUND TIME: _____ DAYS

NI 24 0229
T. S. S. 11

Sample Condition Upon Receipt

Pace Analytical

Client Name: Hull & Assoc.

Project # SDY3128

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer Used 1 2 3 4 6(A) B C D E Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature 1.6°C Ice Visible in Sample Containers: yes no
Temp should be above freezing to 6°C

Date and Initials of person examining contents: 11/5/10 ZJ

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	5.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	6.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <u>SL</u>	8.
All containers needing preservation have been pH checked? exceptions: VOA, coliform, TOC, O&G, WLDRO (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	9.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Project Manager Review		
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.

Client Notification/ Resolution: _____ Field Data Required? Y / N
Person Contacted: _____ Date/Time: _____
Comments/ Resolution: _____

Project Manager Review: *Kenneth Hunt* Date: 11/5/10

Sample Container Count



CLIENT: Avil & Assoc.

DOC PAGE 1 of 1

DOC ID# _____ Project # SDH 3178

Sample Line Item	DG9H	AG1U	WGFU	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	Comments
1			2										
2			2										
3			2										
4			2										
5			2										
6			2										
7			2										
8			2										
9			2										
10			2										
11			2										
12			2										

Container Codes	DG9H	AG1U	WGFU	R	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	Comments
40mL HCL amber vial	DG9H	AG1U	WGFU	R	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	
1 liter unpreserved amber glass	AG1H	AG1S	AG1T	AG2N	AG2S	AG2U	AG3U	BG1H	BG1S	BG1T	BG1U	BP1A	
4oz clear soil jar	AG1S	AG1T	AG2N	AG2S	AG2U	AG3U	BG1H	BG1S	BG1T	BG1U	BP1A		
terra core kit	AG1T	AG2N	AG2S	AG2U	AG3U	BG1H	BG1S	BG1T	BG1U	BP1A			
500mL HNO3 plastic	AG2N	AG2S	AG2U	AG3U	BG1H	BG1S	BG1T	BG1U	BP1A				
500mL unpreserved plastic	AG2S	AG2U	AG3U	BG1H	BG1S	BG1T	BG1U	BP1A					
500mL H2SO4 plastic	AG2U	AG3U	BG1H	BG1S	BG1T	BG1U	BP1A						
250mL HNO3 plastic	AG3U	BG1H	BG1S	BG1T	BG1U	BP1A							
250mL unpreserved plastic	BG1H	BG1S	BG1T	BG1U	BP1A								
250mL H2SO4 plastic	BG1S	BG1T	BG1U	BP1A									
250mL H2SO4 glass amber	BG1T	BG1U	BP1A										
1 liter H2SO4 glass amber	BG1U	BP1A											
1 liter H2SO4 amber glass	BP1A												
1 liter unpreserved plastic													
40mL HCL amber vial	DG9P	DG9S	DG9T	DG9U									
40mL H2SO4 amber vial	DG9S	DG9T	DG9U										
40mL Na Thio amber vial	DG9T	DG9U											
40mL unpreserved amber vial	DG9U												
Wipe/Swab		JGFU	U										
4oz unpreserved amber wide	JGFU	U											
Summa Can	U												
40mL HCL clear vial	VG9H	VG9T	VG9U										
40mL Na Thio. clear vial	VG9T	VG9U											
40mL unpreserved clear vial	VG9U	VSG	WGFX	ZPLC									
Headspace septa vial & HCL	VSG	WGFX	ZPLC										
4oz wide jar w/hexane wipe	WGFX	ZPLC											
Ziploc Bag	ZPLC												

November 17, 2010

Mr. Doug Stuart
Hull & Associates
6435 Castleway West Drive
Suite 119
Indianapolis, IN 46250

RE: Project: SBI059
Pace Project No.: 5043427

Dear Mr. Stuart:

Enclosed are the analytical results for sample(s) received by the laboratory on November 12, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kenneth Hunt

kenneth.hunt@pacelabs.com
Project Manager

Illinois/NELAC Certification #: 100418

Indiana Certification #: C-49-06

Kansas Certification #: E-10247

Kentucky Certification #: 0042

Louisiana Certification #: 04076

Ohio VAP: CL0065

Pennsylvania: 68-00791

West Virginia Certification #: 330

Enclosures

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: SBI059
Pace Project No.: 5043427

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5043427001	SBI059:SW-59B:S005020	Solid	11/11/10 17:04	11/12/10 13:20
5043427002	SBI059:SW-60B:S005020	Solid	11/11/10 17:05	11/12/10 13:20
5043427003	SBI059:SW-61B:S005020	Solid	11/11/10 17:07	11/12/10 13:20
5043427004	SBI059:SW-62B:S005020	Solid	11/11/10 17:08	11/12/10 13:20
5043427005	SBI059:SW-63B:S005020	Solid	11/11/10 17:13	11/12/10 13:20
5043427006	SBI059:SW-63B:S005020A	Solid	11/11/10 17:48	11/12/10 13:20
5043427007	SBI059:SW-64B:S005020	Solid	11/11/10 17:14	11/12/10 13:20
5043427008	SBI059:SW-65B:S005020	Solid	11/11/10 17:15	11/12/10 13:20
5043427009	SBI059:SW-66B:S005020	Solid	11/11/10 17:18	11/12/10 13:20
5043427010	SBI059:SW-67B:S005020	Solid	11/11/10 17:22	11/12/10 13:20
5043427011	SBI059:SW-68B:S005020	Solid	11/11/10 17:24	11/12/10 13:20
5043427012	SBI059:SW-69B:S005020	Solid	11/11/10 17:25	11/12/10 13:20
5043427013	SBI059:SW-70B:S005020	Solid	11/11/10 17:33	11/12/10 13:20
5043427014	SBI059:SW-71B:S005020	Solid	11/11/10 17:35	11/12/10 13:20
5043427015	SBI059:SW-72B:S005020	Solid	11/11/10 17:37	11/12/10 13:20
5043427016	SBI059:SW-73B:S005020	Solid	11/11/10 17:39	11/12/10 13:20

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: SBI059
Pace Project No.: 5043427

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5043427001	SBI059:SW-59B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	JTP	1
5043427002	SBI059:SW-60B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	JTP	1
5043427003	SBI059:SW-61B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	JTP	1
5043427004	SBI059:SW-62B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	JTP	1
5043427005	SBI059:SW-63B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	JTP	1
5043427006	SBI059:SW-63B:S005020A	EPA 6010	FRW	1
		ASTM D2974-87	JTP	1
5043427007	SBI059:SW-64B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	JTP	1
5043427008	SBI059:SW-65B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	JTP	1
5043427009	SBI059:SW-66B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	JTP	1
5043427010	SBI059:SW-67B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	JTP	1
5043427011	SBI059:SW-68B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	JTP	1
5043427012	SBI059:SW-69B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	JTP	1
5043427013	SBI059:SW-70B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	JTP	1
5043427014	SBI059:SW-71B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	JTP	1
5043427015	SBI059:SW-72B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	JTP	1
5043427016	SBI059:SW-73B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	JTP	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5043427

Sample: SBI059:SW-59B:S005020 **Lab ID: 5043427001** Collected: 11/11/10 17:04 Received: 11/12/10 13:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	82.2	mg/kg	2.1	1	11/13/10 00:00	11/15/10 17:42	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	11.2	%	0.10	1		11/15/10 15:29		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5043427

Sample: SBI059:SW-60B:S005020 Lab ID: 5043427002 Collected: 11/11/10 17:05 Received: 11/12/10 13:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	3.0	mg/kg	2.0	1	11/13/10 00:00	11/15/10 17:47	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	8.1	%	0.10	1		11/15/10 15:29		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5043427

Sample: SBI059:SW-61B:S005020 Lab ID: 5043427003 Collected: 11/11/10 17:07 Received: 11/12/10 13:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	15.1	mg/kg	2.4	1	11/13/10 00:00	11/15/10 18:04	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	26.1	%	0.10	1		11/15/10 15:29		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5043427

Sample: SBI059:SW-62B:S005020 Lab ID: 5043427004 Collected: 11/11/10 17:08 Received: 11/12/10 13:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	5.4	mg/kg	2.0	1	11/13/10 00:00	11/15/10 18:10	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	5.8	%	0.10	1		11/15/10 15:29		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5043427

Sample: SBI059:SW-63B:S005020 Lab ID: 5043427005 Collected: 11/11/10 17:13 Received: 11/12/10 13:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	4.4	mg/kg	2.3	1	11/13/10 00:00	11/15/10 18:15	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	24.0	%	0.10	1		11/15/10 15:29		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5043427

Sample: SBI059:SW-63B:S005020A Lab ID: 5043427006 Collected: 11/11/10 17:48 Received: 11/12/10 13:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	3.4	mg/kg	2.0	1	11/13/10 00:00	11/15/10 18:38	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	9.3	%	0.10	1		11/15/10 15:30		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5043427

Sample: SBI059:SW-64B:S005020 Lab ID: 5043427007 Collected: 11/11/10 17:14 Received: 11/12/10 13:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	5.0	mg/kg	2.3	1	11/13/10 00:00	11/15/10 18:44	7440-38-2	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	15.4	%	0.10	1		11/15/10 15:30		

ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5043427

Sample: SBI059:SW-65B:S005020 Lab ID: 5043427008 Collected: 11/11/10 17:15 Received: 11/12/10 13:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	6.8	mg/kg	2.2	1	11/13/10 00:00	11/15/10 18:49	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	11.6	%	0.10	1		11/15/10 15:30		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5043427

Sample: SBI059:SW-66B:S005020 **Lab ID: 5043427009** Collected: 11/11/10 17:18 Received: 11/12/10 13:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	5.1	mg/kg	2.2	1	11/13/10 00:00	11/15/10 18:55	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	24.4	%	0.10	1		11/15/10 15:30		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5043427

Sample: SBI059:SW-67B:S005020 Lab ID: 5043427010 Collected: 11/11/10 17:22 Received: 11/12/10 13:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	225	mg/kg	2.4	1	11/13/10 00:00	11/15/10 19:01	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	20.6	%	0.10	1		11/15/10 15:30		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5043427

Sample: SBI059:SW-68B:S005020 **Lab ID: 5043427011** Collected: 11/11/10 17:24 Received: 11/12/10 13:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	47.0	mg/kg	2.2	1	11/13/10 00:00	11/15/10 19:06	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	13.0	%	0.10	1		11/15/10 15:31		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5043427

Sample: SBI059:SW-69B:S005020 Lab ID: 5043427012 Collected: 11/11/10 17:25 Received: 11/12/10 13:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	3.4	mg/kg	2.0	1	11/13/10 00:00	11/15/10 19:12	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	7.4	%	0.10	1		11/15/10 15:31		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5043427

Sample: SBI059:SW-70B:S005020 Lab ID: 5043427013 Collected: 11/11/10 17:33 Received: 11/12/10 13:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	4.1	mg/kg	2.0	1	11/13/10 00:00	11/15/10 19:18	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	5.4	%	0.10	1		11/15/10 15:31		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5043427

Sample: SBI059:SW-71B:S005020 **Lab ID: 5043427014** Collected: 11/11/10 17:35 Received: 11/12/10 13:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	10.0	mg/kg	2.0	1	11/13/10 00:00	11/15/10 19:23	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	5.7	%	0.10	1		11/15/10 15:31		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5043427

Sample: SBI059:SW-72B:S005020 Lab ID: 5043427015 Collected: 11/11/10 17:37 Received: 11/12/10 13:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	4.8	mg/kg	2.0	1	11/13/10 00:00	11/15/10 19:29	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	3.4	%	0.10	1		11/15/10 15:31		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5043427

Sample: SBI059:SW-73B:S005020 **Lab ID: 5043427016** Collected: 11/11/10 17:39 Received: 11/12/10 13:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	6.3	mg/kg	2.3	1	11/13/10 00:00	11/15/10 19:46	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	17.1	%	0.10	1		11/15/10 15:31		

QUALITY CONTROL DATA

Project: SBI059
Pace Project No.: 5043427

QC Batch: MPRP/6689 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 5043427001, 5043427002, 5043427003, 5043427004, 5043427005, 5043427006, 5043427007, 5043427008, 5043427009, 5043427010, 5043427011, 5043427012, 5043427013, 5043427014, 5043427015, 5043427016

METHOD BLANK: 507549 Matrix: Solid
Associated Lab Samples: 5043427001, 5043427002, 5043427003, 5043427004, 5043427005, 5043427006, 5043427007, 5043427008, 5043427009, 5043427010, 5043427011, 5043427012, 5043427013, 5043427014, 5043427015, 5043427016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	2.0	11/15/10 17:30	

LABORATORY CONTROL SAMPLE: 507550

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	56.1	112	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 507551 507552

Parameter	Units	5043427002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	3.0	51.3	52.8	51.6	53.9	95	96	75-125	4	20	

QUALITY CONTROL DATA

Project: SBI059
Pace Project No.: 5043427

QC Batch:	PMST/5315	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	5043427001, 5043427002, 5043427003, 5043427004, 5043427005, 5043427006, 5043427007, 5043427008, 5043427009, 5043427010, 5043427011, 5043427012, 5043427013, 5043427014, 5043427015, 5043427016		

SAMPLE DUPLICATE: 507976

Parameter	Units	5043151001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.3	15.2	6	5	R2

SAMPLE DUPLICATE: 507977

Parameter	Units	5043427002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	8.1	8.1	.3	5	

QUALIFIERS

Project: SBI059

Pace Project No.: 5043427

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

R2 RPD value was outside control limits due to matrix interference

5043427



CHAIN OF CUSTODY RECORD

& associates, inc.

NO.

Dublin, OH
 6330 E. 75th St.
 Suite 176
 Dublin, OH 43016
 Phone: (614) 793-9777
 Fax: (614) 793-9070

Mason, OH
 4900 Parkway Dr.
 Suite 100
 Mason, OH 45040
 Phone: (513) 459-9677
 Fax: (513) 459-9869

Solon, OH
 6161 Cochran Road
 Suite 300
 Solon, OH 44139
 Phone: (440) 519-2555
 Fax: (440) 519-2560

Toledo, OH
 3401 Glendelle Ave.
 Toledo, OH 43614
 Phone: (419) 385-2018
 Fax: (419) 385-5487

REPORT TO: Doug Stewart
 Client: City of South Bend
 Site: Norfolk
 Project #: SB1059 Phase: Wright
 Samplers: Wolke Wright

PRESERVATIVES

SAMPLE TYPES
 A-AIR
 B-ASBESTOS
 C-SEDIMENT
 D-GROUNDWATER
 E-PRODUCT
 F-SOIL
 W-WATER
 Z-OTHERS

PRESERVATIVES
 A-Cool only, 4 deg. C
 B-HNO₃ pH<2
 C-H₂SO₄ pH<2
 D-NaOH pH>12
 E-ZnAcetate + NaOH, pH>9
 F-N₂ S O (0.006%)
 G-HCl, pH <2

METALS
 F-FILTERED
 N-NOT FILTERED
 B-BOTH

All samples are kept at 4 degrees Celsius.

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE & ID	NO. OF METALS CONT.	COLLECTION DATE/TIME	COMMENTS
SB1059	SW-59B	S055-020	21 DS	11/11/10 1701	X
	SW-60B		21 DS	1705	X MS/MSD 2
	SW-61B		21 DS	1707	X 3
	SW-62B		21 DS	1708	X 4
	SW-63B		21 DS	1713	X 5
	SW-63Dg		21 DS	1748	X 6 Duplicate
	SW-64B		21 DS	1714	X 7
	SW-65B		21 DS	1715	X 8
	SW-66B		21 DS	1718	X 9
	SW-67B		21 DS	1722	X 10
	SW-68B		21 DS	1724	X 11
	SW-69B		21 DS	1725	X 12

RELINQUISHED BY: [Signature] DATE: 11/12/10 TIME: 0809
 RECEIVED BY: Zak Tolk DATE: 11/12/10 TIME: 1:20
 RELINQUISHED BY: _____ DATE: _____ TIME: _____
 RECEIVED FOR LAB BY: _____ DATE: _____ TIME: _____
 RELINQUISHED BY: _____ DATE: _____ TIME: _____
 RECEIVED FOR LAB BY: _____ DATE: _____ TIME: _____

DELIVER TO: _____
 METHOD OF DELIVERY: _____
 AIRBILL NUMBER: _____
 NOTES: _____
 TURN AROUND TIME: _____ DAYS

COOLER TEMPERATURE AS RECEIVED: 15 °C
 DISTRIBUTION:
 WHITE - LAB USE (MUST BE RETURNED WITH REPORT)
 YELLOW - LAB USE
 PINK - RETAINED BY HULL

1.1.1 Para No 10

CHAIN OF CUSTODY RECORD

PAGE 2 OF 3

NO. _____

Dublin, OH 6397 Emerald Parkway Suite 200 Dublin, OH 43016 Phone: (614) 793-8777 Fax: (614) 793-9070

Indianapolis, IN 6330 E. 76th St. Suite 178 Indianapolis, IN 46250 Phone: (317) 558-0558 Fax: (317) 558-0553

Mason, OH 4900 Parkway Dr. Suite 100 Mason, OH 45040 Phone: (513) 459-9677 Fax: (513) 459-9869

Solon, OH 6181 Cochran Road Suite D Solon, OH 44139 Phone: (440) 519-2555 Fax: (440) 519-2560

Toledo, OH 3401 Glendale Ave. Suite 300 Toledo, OH 43614 Phone: (419) 385-2018 Fax: (419) 385-5487

REPORT TO: Doyle Stewart

Client: City of South Bend

Site: Norfolk

Project #: SR1059 Phase: _____

Samplers: Lyle Wright

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE & ID	NO. OF CONT.	METALS	COLLECTION DATE/TIME	COMMENTS	PRESERVATIVES		ANALYSES
							DATE	TIME	
SR1059	SU-703	5005-020	2	DS	11/11/10 1733	X	X	X	13
	SU-718		1		1735	X	X	X	14
	SU-720		1		1737	X	X	X	15
	SU-733		1		1739	X	X	X	16
	SU-609		1		1805	X	X	X	XMS/MSD

RELINQUISHED BY: <i>[Signature]</i>	DATE: 11/12/10	TIME: 0810	RECEIVED BY: <i>[Signature]</i>	DATE: 11/12/10	TIME: 1220
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED FOR LAB BY:	DATE:	TIME:

Deliver To: _____
 Method of Delivery: _____
 Airbill Number: _____
 NOTES: _____
 TURN AROUND TIME: _____ DAYS

COOLER TEMPERATURE AS RECEIVED: 1.50C °C

DISTRIBUTION:
 WHITE - LAB USE (MUST BE RETURNED WITH REPORT)
 YELLOW - LAB USE
 PINK - RETAINED BY HULL

PS

Sample Condition Upon Receipt



Client Name: Hull & Associates Project # 5043427

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer Used 1 2 3 4 6 A B C D E Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature 1.5°C Ice Visible in Sample Containers: yes no

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 12/11/10

		Comments:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	5.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	6.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
All containers needing preservation have been pH checked? exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	9.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Project Manager Review		
Samples Arrived within Hold Time:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12.
Sufficient Volume:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Correct Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.

Client Notification/ Resolution: _____ Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: N Date: 12/11/10

Sample Container Count



CLIENT: Hull

COC PAGE 1 of 2

COC ID# _____

Project # _____

Sample Line Item	DG9H	AG1U	WGFU	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	Comments
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													

Container Codes

DG9H	40mL HCL amber vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1 liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic		Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3A	250mL NaOH, Asc Acid plastic	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Sample Container Count



CLIENT: HULL

DOC PAGE 2 of 2

DOC ID# _____

Project # _____

Sample Line Item	DG9H	AG1U	WG FU R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	Comments
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

Container Codes

DG9H	40mL HCL amber vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1 liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WG FU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic		Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Surmma Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3A	250mL NaOH, Asc Acid plastic	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

November 30, 2010

Mr. Doug Stuart
Hull & Associates
6435 Castleway West Drive
Suite 119
Indianapolis, IN 46250

RE: Project: SBI059
Pace Project No.: 5043744

Dear Mr. Stuart:

Enclosed are the analytical results for sample(s) received by the laboratory on November 22, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kenneth Hunt

kenneth.hunt@pacelabs.com
Project Manager

Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana Certification #: 04076
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 8

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SAMPLE SUMMARY

Project: SBI059
Pace Project No.: 5043744

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5043744001	SBI059:SW-73B:S005020	Solid	11/22/10 11:12	11/22/10 15:46
5043744002	SBI059:SW-74B:S005020	Solid	11/22/10 11:14	11/22/10 15:46

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: SBI059
Pace Project No.: 5043744

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5043744001	SBI059:SW-73B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	JTP	1
5043744002	SBI059:SW-74B:S005020	EPA 6010	FRW	1
		ASTM D2974-87	JTP	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5043744

Sample: SBI059:SW-73B:S005020 Lab ID: 5043744001 Collected: 11/22/10 11:12 Received: 11/22/10 15:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	4.4	mg/kg	2.0	1	11/22/10 00:00	11/27/10 17:14	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	4.7	%	0.10	1		11/22/10 18:02		

ANALYTICAL RESULTS

Project: SBI059

Pace Project No.: 5043744

Sample: SBI059:SW-74B:S005020 Lab ID: 5043744002 Collected: 11/22/10 11:14 Received: 11/22/10 15:46 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	5.8	mg/kg	2.1	1	11/22/10 00:00	11/27/10 17:32	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	7.7	%	0.10	1		11/22/10 18:02		

QUALITY CONTROL DATA

Project: SBI059
Pace Project No.: 5043744

QC Batch: MPRP/6742 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 5043744001, 5043744002

METHOD BLANK: 511200 Matrix: Solid
Associated Lab Samples: 5043744001, 5043744002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	2.0	11/27/10 13:41	

LABORATORY CONTROL SAMPLE: 511201

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	52.6	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 511202 511203

Parameter	Units	5043547007		511202		511203		% Rec Limits	RPD	Max RPD	Qual
		MS Result	MS Spike Conc.	MS Result	MS Spike Conc.	MS Result	MS Spike Conc.				
Arsenic	mg/kg	24.0	51.1	51.1	77.6	70.2	105	90	75-125	10	20

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 511503 511504

Parameter	Units	5043744001		511503		511504		% Rec Limits	RPD	Max RPD	Qual
		MS Result	MS Spike Conc.	MS Result	MS Spike Conc.	MS Result	MS Spike Conc.				
Arsenic	mg/kg	4.4	49.5	51.4	52.4	53.1	97	95	75-125	1	20

QUALITY CONTROL DATA

Project: SBI059
Pace Project No.: 5043744

QC Batch: PMST/5341 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 5043744001, 5043744002

SAMPLE DUPLICATE: 511497

Parameter	Units	5043443001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	13.1	13.6	3	5	

SAMPLE DUPLICATE: 511498

Parameter	Units	5043744002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.7	7.8	.8	5	

QUALIFIERS

Project: SBI059
Pace Project No.: 5043744

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

HULL

& associates, inc.

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Toledo, OH
3401 Glendale Ave.
Suite 300
Toledo, OH 43614
Phone: (419) 385-2018
Fax: (419) 385-5487

REPORT TO: Doug Short

Client: City of South Bend, IN

Site: Norfolk

Project #: SB1059 Phase: _____

Samplers: Luke Wright

CHAIN OF CUSTODY RECORD

PAGE _____ OF _____

NO. _____

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE & ID	NO. OF CONT.	METALS	COLLECTION DATE/TIME	COMMENTS	PRESERVATIVES	
							SAMPLE TYPES	METALS
SB1059	SW-738	SOCS-020	1	N	11/22/10 1112	X	A - Cool only, <4 deg. C B - HNO ₃ pH<2 C - H ₂ SO ₄ pH<2 D - NaOH pH>12 E - Zn/Acetic + NaOH, pH>9 F - Na ₂ S O (0.008%) G - HCL, pH<2	F - FILTERED P - BOTH FILTERED B - BOTH
SB1059	SW-748	SOCS-020	1	N	11/22/10 1111	X		
:	:	:	:	:	:	:		
:	:	:	:	:	:	:		
:	:	:	:	:	:	:		
:	:	:	:	:	:	:		
:	:	:	:	:	:	:		
:	:	:	:	:	:	:		
:	:	:	:	:	:	:		
:	:	:	:	:	:	:		
:	:	:	:	:	:	:		

RELINQUISHED BY: [Signature] DATE: 11/22/10 TIME: 1546

RECEIVED BY: _____ DATE: _____ TIME: _____

RELINQUISHED BY: _____ DATE: _____ TIME: _____

RECEIVED BY: _____ DATE: _____ TIME: _____

RELINQUISHED BY: _____ DATE: _____ TIME: _____

RECEIVED BY: _____ DATE: 11/22/10 TIME: 1546

COOLER TEMPERATURE AS RECEIVED: 4.6 °C

DELIVER TO: _____

METHOD OF DELIVERY: _____

AIRBILL NUMBER: _____

NOTES: _____

TURN AROUND TIME: _____ DAYS

WI Client-del

Sample Condition Upon Receipt

Face Analytical

Client Name: HULT ASSOC.

Project # 5043744

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other BAGS OF ICE / ZPKC

Thermometer Used 1 2 3 4 6 A B C D E Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature 4.10°C Ice Visible in Sample Containers: yes no

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 11/22/10 [Signature]

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	5.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
All containers needing preservation have been pH checked? exceptions: VOA, coliform, TOC, O&G, WI-DRD (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	9.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Project Manager Review		
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature]

Date: 11/22/10

Sample Container Count

CLIENT: Hull + Assoc



COC PAGE ___ of ___
COC ID# _____

Project # SD13744

Sample Line

Item	DG9H	AG1U	WG9U	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	Comments
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													

Container Codes

Code	Description	Code	Description	Code	Description	Code	Description	Code	Description	Code	Description	Code	Description
DG9H	40mL HCL amber vov vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial						
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial						
WG9U	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial						
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial						
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic		Wipe/Swab						
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide						
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can						
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3A	250mL NaOH, Asc Acid plastic	VG9H	40mL HCL clear vial						
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial						
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial						
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL						
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe						
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag						

APPENDIX B

Landfill Disposal Documentation



Industrial Waste Disposal Manifest

Profile Number: 603041IN

Expiration Date: 09/29/2011

ALL SOLIDIFICATION MUST BE SCHEDULED 24 HOURS IN ADVANCE

Section A Generator Information

Generator Name:

City of South Bend

Technical Contact:

Ann Kolata

Waste Location:

Street Address:

No address (parcel tax ID#1818021-084905)

County:

St Joseph

City:

South Bend

State:

IN

Zip Code:

46614

Emergency Response Phone Number:

Waste Name:

Est. Volume/Number of Drums:

Petroleum Impacted soil

Special Conditions: *Alternative Daily Cover****

NO Generator Signature Required

Section C DISPOSAL SITE INFORMATION

Site Name: Earthmovers

OPP Number: 20-3

Amount: _____

Authorized Signature

Date (MM/DD/YY)



NON-HAZARDOUS WAM APPROVAL FORM

Requested Disposal Facility Earthmovers Landfill

Profile Number 603041IN Waste Approval Expiration Date 09/29/2011

APPROVAL DETAILS

Approval Decision: Approved Not Approved

Profile Renewal: Yes No

Management Method: Alternate Daily Cover (ADC)

Management Facility Precautions, Special Handling Procedures or Limitation on approval:

Additional Conditions:

Profile Amendment Request dated 09/29/10 is approved as follows:

- Waste name (C.I.a.) to read "Petroleum Impacted Soil".

- Section E.5. to read only analytical numbers 5057064, 5057150 and SB1059 apply to this waste.

WM Authorization Name: Joe Kash Title: Waste Approval Manager

WM Authorization Signature: [Signature] Date: 09/29/2010

Agency Authorization (if Required): _____ Date: _____

NORFOLK SOUTHERN RR
 EXCAVATIONS A & B
 ALTER-NATE DAILY COVER

Customer Summary Report

Criteria: 10/04/2010 12:00 AM to 12/23/2010 11:59 PM

Business Unit Name: Earthmovers - S02882 (USA)

Date: Dec 29 2010, 8:49:09 AM - Central Standard Time

Customer Name: JOHN BOETTCHER SEWER (JOHN BOETTCHER SEWER & EXC)

Trk/Del	Customer	Generate	Manifest	Material	Origin	Rate	Tons	Revenue	Revenue	Total
10/4/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	26.77	\$455.09	\$35.00	\$490.09
10/4/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	24.92	\$423.64	\$0.00	\$423.64
10/4/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	18.09	\$307.53	\$0.00	\$307.53
10/4/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	14.05	\$238.85	\$0.00	\$238.85
10/4/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	24.26	\$412.42	\$0.00	\$412.42
10/4/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	21.16	\$359.72	\$0.00	\$359.72
10/4/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	14.29	\$242.93	\$0.00	\$242.93
10/5/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	16.53	\$281.01	\$0.00	\$281.01
10/5/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	22.36	\$380.12	\$0.00	\$380.12
10/5/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	24.88	\$422.96	\$0.00	\$422.96
10/5/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	18.06	\$307.02	\$0.00	\$307.02
10/5/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	19.93	\$338.81	\$0.00	\$338.81
10/5/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	17.9	\$304.30	\$0.00	\$304.30
10/5/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	24.53	\$417.01	\$0.00	\$417.01
10/5/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	17.19	\$292.23	\$0.00	\$292.23
10/5/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	23.73	\$403.41	\$0.00	\$403.41
10/5/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	17.21	\$292.57	\$0.00	\$292.57
10/5/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	23.93	\$406.81	\$0.00	\$406.81
10/5/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	15.25	\$259.25	\$0.00	\$259.25
10/5/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	15.99	\$271.83	\$0.00	\$271.83
10/5/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	24.35	\$413.95	\$0.00	\$413.95
10/6/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	26.03	\$442.51	\$0.00	\$442.51
10/6/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	24.52	\$416.84	\$0.00	\$416.84
10/6/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	24.35	\$413.95	\$0.00	\$413.95
10/7/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	22.8	\$387.60	\$0.00	\$387.60
10/7/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	16.15	\$274.55	\$0.00	\$274.55

10/7/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	16.1	\$273.70	\$0.00	\$273.70
10/7/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	20.65	\$351.05	\$0.00	\$351.05
10/7/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	14.66	\$249.22	\$0.00	\$249.22
10/7/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	21.18	\$360.06	\$0.00	\$360.06
10/7/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	14.95	\$254.15	\$0.00	\$254.15
10/7/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	20.41	\$346.97	\$0.00	\$346.97
10/7/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	18.47	\$313.99	\$0.00	\$313.99
10/7/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	18.51	\$314.67	\$0.00	\$314.67
10/7/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	20.31	\$345.27	\$0.00	\$345.27
10/7/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	18.21	\$309.57	\$0.00	\$309.57
10/7/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	16.34	\$277.78	\$0.00	\$277.78
10/7/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	20.64	\$350.88	\$0.00	\$350.88
10/7/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	21.27	\$361.59	\$0.00	\$361.59
10/8/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	20.14	\$342.38	\$0.00	\$342.38
10/8/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	19.4	\$329.80	\$0.00	\$329.80
10/8/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	17.86	\$303.28	\$0.00	\$303.28
10/8/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	16.85	\$286.45	\$0.00	\$286.45
10/8/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	25.57	\$434.69	\$0.00	\$434.69
10/8/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	18.41	\$312.97	\$0.00	\$312.97
10/8/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	17.78	\$302.26	\$0.00	\$302.26
10/8/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	22.74	\$386.58	\$0.00	\$386.58
10/8/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	17.71	\$301.07	\$0.00	\$301.07
10/8/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	17.96	\$305.32	\$0.00	\$305.32
10/8/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	17.53	\$298.01	\$0.00	\$298.01
10/8/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	19.42	\$330.14	\$0.00	\$330.14
10/8/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	16.82	\$285.94	\$0.00	\$285.94
10/8/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	20.71	\$352.07	\$0.00	\$352.07
10/8/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	19.71	\$335.07	\$0.00	\$335.07
10/8/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	18.24	\$310.08	\$0.00	\$310.08
10/8/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	19.57	\$332.69	\$0.00	\$332.69
10/8/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	20.37	\$346.29	\$0.00	\$346.29
10/8/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	18.24	\$310.08	\$0.00	\$310.08

10/8/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	18.99	\$322.83	\$0.00	\$322.83
10/8/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	19.69	\$334.73	\$0.00	\$334.73
10/8/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	18.51	\$314.67	\$0.00	\$314.67
10/11/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	20.21	\$343.57	\$0.00	\$343.57
10/11/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	19.88	\$337.96	\$0.00	\$337.96
10/11/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	19.42	\$330.14	\$0.00	\$330.14
10/11/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	21.08	\$358.36	\$0.00	\$358.36
10/11/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	21.78	\$370.26	\$0.00	\$370.26
10/11/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	18.38	\$312.46	\$0.00	\$312.46
10/15/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	19.95	\$339.15	\$0.00	\$339.15
10/18/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	21.03	\$357.51	\$0.00	\$357.51
10/18/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	17.34	\$294.78	\$0.00	\$294.78
10/18/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	18	\$306.00	\$0.00	\$306.00
10/21/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	18.33	\$311.61	\$0.00	\$311.61
10/21/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	22.94	\$389.98	\$0.00	\$389.98
10/21/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	14.88	\$252.96	\$0.00	\$252.96
10/21/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	15.68	\$266.56	\$0.00	\$266.56
10/21/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	16.89	\$287.13	\$0.00	\$287.13
10/21/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	16.25	\$276.25	\$0.00	\$276.25
10/21/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	14.29	\$242.93	\$0.00	\$242.93
10/26/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	17.07	\$290.19	\$0.00	\$290.19
10/26/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	17.49	\$297.33	\$0.00	\$297.33
10/26/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	17.2	\$292.40	\$0.00	\$292.40
10/26/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	18.02	\$306.34	\$0.00	\$306.34
10/27/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	12.83	\$218.11	\$0.00	\$218.11
10/27/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	19.8	\$336.60	\$0.00	\$336.60
10/27/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	17.98	\$305.66	\$0.00	\$305.66
10/27/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	15.66	\$266.22	\$0.00	\$266.22
10/27/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	18.56	\$315.52	\$0.00	\$315.52
10/27/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	21.72	\$369.24	\$0.00	\$369.24
10/27/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	17.9	\$304.30	\$0.00	\$304.30
10/27/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	14.31	\$243.27	\$0.00	\$243.27

10/28/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	18.08	\$307.36	\$0.00	\$307.36
10/28/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	14.12	\$240.04	\$0.00	\$240.04
10/28/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	15.98	\$271.66	\$0.00	\$271.66
10/28/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	(15.98)	\$265.03	\$0.00	\$265.03
10/28/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	19.85	\$337.45	\$0.00	\$337.45
10/28/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	20.95	\$356.15	\$0.00	\$356.15
10/28/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	14.85	\$252.45	\$0.00	\$252.45
10/28/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	18.94	\$321.98	\$0.00	\$321.98
10/28/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	14.83	\$252.11	\$0.00	\$252.11
11/4/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	18.06	\$307.02	\$0.00	\$307.02
11/4/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	9.87	\$167.79	\$0.00	\$167.79
11/4/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	21.81	\$370.77	\$0.00	\$370.77
11/4/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	19.58	\$332.86	\$0.00	\$332.86
11/4/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	18.22	\$309.74	\$0.00	\$309.74
11/4/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	12.79	\$217.43	\$0.00	\$217.43
11/5/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	17.43	\$296.31	\$0.00	\$296.31
11/5/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	16.82	\$285.94	\$0.00	\$285.94
11/5/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	19.03	\$323.51	\$0.00	\$323.51
11/5/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	11.46	\$194.82	\$0.00	\$194.82
11/5/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	10.55	\$179.35	\$0.00	\$179.35
11/5/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	9.15	\$155.55	\$0.00	\$155.55
11/15/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	15.78	\$268.26	\$0.00	\$268.26
11/15/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	18.66	\$317.22	\$0.00	\$317.22
12/2/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	10.83	\$184.11	\$0.00	\$184.11
Material Total							211.23			\$35,925.91
Customer Total										
Ticket Totals										

Internal Custom Total Ticket Amount

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Ticket Date	Ticket ID	Cust Code	MAS Unique ID	Customer	Generator	Manifest	Profile	Truck	Material
10/4/2010	928437	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	757	Cont Soil RCG-Tons
10/4/2010	928467	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	757	Cont Soil RCG-Tons
10/4/2010	928468	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	716	Cont Soil RCG-Tons
10/4/2010	928489	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	716	Cont Soil RCG-Tons
10/4/2010	928493	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	757	Cont Soil RCG-Tons
10/4/2010	928524	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	757	Cont Soil RCG-Tons
10/4/2010	928525	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	716	Cont Soil RCG-Tons
10/5/2010	928547	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	716	Cont Soil RCG-Tons
10/5/2010	928548	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	757	Cont Soil RCG-Tons
10/5/2010	928583	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	757	Cont Soil RCG-Tons
10/5/2010	928592	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	716	Cont Soil RCG-Tons
10/5/2010	928604	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	757	Cont Soil RCG-Tons
10/5/2010	928612	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	716	Cont Soil RCG-Tons
10/5/2010	928629	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	757	Cont Soil RCG-Tons
10/5/2010	928632	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	716	Cont Soil RCG-Tons
10/5/2010	928650	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	757	Cont Soil RCG-Tons
10/5/2010	928661	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	716	Cont Soil RCG-Tons
10/5/2010	928685	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	757	Cont Soil RCG-Tons
10/5/2010	928690	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	716	Cont Soil RCG-Tons
10/5/2010	928711	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	716	Cont Soil RCG-Tons
10/5/2010	928718	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	757	Cont Soil RCG-Tons
10/6/2010	928735	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	757	Cont Soil RCG-Tons
10/6/2010	928770	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	757	Cont Soil RCG-Tons
10/6/2010	928772	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	757	Cont Soil RCG-Tons
10/7/2010	928935	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	757	Cont Soil RCG-Tons
10/7/2010	928939	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	716	Cont Soil RCG-Tons
10/7/2010	928943	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	718	Cont Soil RCG-Tons
10/7/2010	928969	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	757	Cont Soil RCG-Tons
10/7/2010	928970	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	718	Cont Soil RCG-Tons
10/7/2010	928982	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	716	Cont Soil RCG-Tons
10/7/2010	928998	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	718	Cont Soil RCG-Tons
10/7/2010	929000	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	757	Cont Soil RCG-Tons

Material Description	Origin	Rate	Rate Unit	Rate Qty	Yards	Tons	Material Revenue	Tax Revenue	Surcharge Revenue	Total
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	26.77	30	26.77	\$455.09	\$0.00	\$35.00	\$490.09
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	24.92	30	24.92	\$423.64	\$0.00	\$0.00	\$423.64
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	18.09	20	18.09	\$307.53	\$0.00	\$0.00	\$307.53
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	14.05	20	14.05	\$238.85	\$0.00	\$0.00	\$238.85
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	24.26	30	24.26	\$412.42	\$0.00	\$0.00	\$412.42
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	21.16	30	21.16	\$359.72	\$0.00	\$0.00	\$359.72
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	14.29	20	14.29	\$242.93	\$0.00	\$0.00	\$242.93
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	16.53	20	16.53	\$281.01	\$0.00	\$0.00	\$281.01
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	22.36	30	22.36	\$380.12	\$0.00	\$0.00	\$380.12
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	24.88	30	24.88	\$422.96	\$0.00	\$0.00	\$422.96
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	18.06	20	18.06	\$307.02	\$0.00	\$0.00	\$307.02
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	19.93	30	19.93	\$338.81	\$0.00	\$0.00	\$338.81
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	17.9	20	17.9	\$304.30	\$0.00	\$0.00	\$304.30
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	24.53	30	24.53	\$417.01	\$0.00	\$0.00	\$417.01
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	17.19	20	17.19	\$292.23	\$0.00	\$0.00	\$292.23
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	23.73	30	23.73	\$403.41	\$0.00	\$0.00	\$403.41
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	17.21	20	17.21	\$292.57	\$0.00	\$0.00	\$292.57
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	23.93	30	23.93	\$406.81	\$0.00	\$0.00	\$406.81
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	15.25	20	15.25	\$259.25	\$0.00	\$0.00	\$259.25
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	15.99	20	15.99	\$271.83	\$0.00	\$0.00	\$271.83
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	24.35	30	24.35	\$413.95	\$0.00	\$0.00	\$413.95
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	26.03	30	26.03	\$442.51	\$0.00	\$0.00	\$442.51
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	24.52	30	24.52	\$416.84	\$0.00	\$0.00	\$416.84
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	24.35	30	24.35	\$413.95	\$0.00	\$0.00	\$413.95
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	22.8	30	22.8	\$387.60	\$0.00	\$0.00	\$387.60
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	16.15	20	16.15	\$274.55	\$0.00	\$0.00	\$274.55
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	16.1	20	16.1	\$273.70	\$0.00	\$0.00	\$273.70
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	20.65	30	20.65	\$351.05	\$0.00	\$0.00	\$351.05
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	14.66	20	14.66	\$249.22	\$0.00	\$0.00	\$249.22
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	21.18	20	21.18	\$360.06	\$0.00	\$0.00	\$360.06
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	14.95	20	14.95	\$254.15	\$0.00	\$0.00	\$254.15
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	20.41	30	20.41	\$346.97	\$0.00	\$0.00	\$346.97

Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	18.47	20	18.47	\$313.99	\$0.00	\$0.00	\$313.99
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	18.51	20	18.51	\$314.67	\$0.00	\$0.00	\$314.67
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	20.31	30	20.31	\$345.27	\$0.00	\$0.00	\$345.27
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	18.21	20	18.21	\$309.57	\$0.00	\$0.00	\$309.57
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	16.34	20	16.34	\$277.78	\$0.00	\$0.00	\$277.78
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	20.64	30	20.64	\$350.88	\$0.00	\$0.00	\$350.88
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	21.27	20	21.27	\$361.59	\$0.00	\$0.00	\$361.59
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	20.14	30	20.14	\$342.38	\$0.00	\$0.00	\$342.38
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	19.4	20	19.4	\$329.80	\$0.00	\$0.00	\$329.80
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	17.84	20	17.84	\$303.28	\$0.00	\$0.00	\$303.28
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	16.85	20	16.85	\$286.45	\$0.00	\$0.00	\$286.45
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	25.57	30	25.57	\$434.69	\$0.00	\$0.00	\$434.69
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	18.41	20	18.41	\$312.97	\$0.00	\$0.00	\$312.97
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	17.78	20	17.78	\$302.26	\$0.00	\$0.00	\$302.26
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	22.74	30	22.74	\$386.58	\$0.00	\$0.00	\$386.58
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	17.71	20	17.71	\$301.07	\$0.00	\$0.00	\$301.07
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	17.96	20	17.96	\$305.32	\$0.00	\$0.00	\$305.32
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	17.53	30	17.53	\$298.01	\$0.00	\$0.00	\$298.01
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	19.42	20	19.42	\$330.14	\$0.00	\$0.00	\$330.14
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	16.82	20	16.82	\$285.94	\$0.00	\$0.00	\$285.94
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	20.71	30	20.71	\$352.07	\$0.00	\$0.00	\$352.07
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	19.71	20	19.71	\$335.07	\$0.00	\$0.00	\$335.07
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	18.24	20	18.24	\$310.08	\$0.00	\$0.00	\$310.08
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	19.57	30	19.57	\$332.69	\$0.00	\$0.00	\$332.69
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	20.37	20	20.37	\$346.29	\$0.00	\$0.00	\$346.29
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	18.24	20	18.24	\$310.08	\$0.00	\$0.00	\$310.08
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	18.99	30	18.99	\$322.83	\$0.00	\$0.00	\$322.83
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	19.69	20	19.69	\$334.73	\$0.00	\$0.00	\$334.73
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	18.51	20	18.51	\$314.67	\$0.00	\$0.00	\$314.67
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	20.21	30	20.21	\$343.57	\$0.00	\$0.00	\$343.57
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	19.88	20	19.88	\$337.96	\$0.00	\$0.00	\$337.96
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	19.42	20	19.42	\$330.14	\$0.00	\$0.00	\$330.14
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	21.08	30	21.08	\$358.36	\$0.00	\$0.00	\$358.36

Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	21.78	20	21.78	\$370.26	\$0.00	\$0.00	\$370.26
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	18.38	20	18.38	\$312.46	\$0.00	\$0.00	\$312.46
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	19.95	30	19.95	\$339.15	\$0.00	\$0.00	\$339.15
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	21.03	30	21.03	\$357.51	\$0.00	\$0.00	\$357.51
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	17.34	20	17.34	\$294.78	\$0.00	\$0.00	\$294.78
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	18	20	18	\$306.00	\$0.00	\$0.00	\$306.00
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	18.33	20	18.33	\$311.61	\$0.00	\$0.00	\$311.61
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	22.94	20	22.94	\$389.98	\$0.00	\$0.00	\$389.98
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	14.88	30	14.88	\$252.96	\$0.00	\$0.00	\$252.96
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	15.68	20	15.68	\$266.56	\$0.00	\$0.00	\$266.56
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	16.89	20	16.89	\$287.13	\$0.00	\$0.00	\$287.13
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	16.25	30	16.25	\$276.25	\$0.00	\$0.00	\$276.25
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	14.29	20	14.29	\$242.93	\$0.00	\$0.00	\$242.93
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	17.07	20	17.07	\$290.19	\$0.00	\$0.00	\$290.19
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	17.49	20	17.49	\$297.33	\$0.00	\$0.00	\$297.33
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	17.2	20	17.2	\$292.40	\$0.00	\$0.00	\$292.40
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	18.02	20	18.02	\$306.34	\$0.00	\$0.00	\$306.34
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	12.83	20	12.83	\$218.11	\$0.00	\$0.00	\$218.11
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	19.8	30	19.8	\$336.60	\$0.00	\$0.00	\$336.60
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	17.98	20	17.98	\$305.66	\$0.00	\$0.00	\$305.66
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	15.66	20	15.66	\$266.22	\$0.00	\$0.00	\$266.22
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	18.56	20	18.56	\$315.52	\$0.00	\$0.00	\$315.52
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	21.72	20	21.72	\$369.24	\$0.00	\$0.00	\$369.24
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	17.9	20	17.9	\$304.30	\$0.00	\$0.00	\$304.30
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	14.31	20	14.31	\$243.27	\$0.00	\$0.00	\$243.27
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	18.08	20	18.08	\$307.36	\$0.00	\$0.00	\$307.36
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	14.12	30	14.12	\$240.04	\$0.00	\$0.00	\$240.04
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	15.98	20	15.98	\$271.66	\$0.00	\$0.00	\$271.66
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	15.59	30	15.59	\$265.03	\$0.00	\$0.00	\$265.03
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	19.85	20	19.85	\$337.45	\$0.00	\$0.00	\$337.45
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	20.95	30	20.95	\$356.15	\$0.00	\$0.00	\$356.15
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	14.85	20	14.85	\$252.45	\$0.00	\$0.00	\$252.45
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	18.94	30	18.94	\$321.98	\$0.00	\$0.00	\$321.98

10/28/2010	931610	203	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	716	Cont Soil RCG-Tons
11/4/2010	931981	203	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	716	Cont Soil RCG-Tons
11/4/2010	932387	203	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	716	Cont Soil RCG-Tons
11/4/2010	932390	203	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	718	Cont Soil RCG-Tons
11/4/2010	932422	203	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	757	Cont Soil RCG-Tons
11/4/2010	932440	203	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	718	Cont Soil RCG-Tons
11/4/2010	932467	203	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	716	Cont Soil RCG-Tons
11/4/2010	932479	203	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	757	Cont Soil RCG-Tons
11/5/2010	932501	203	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	716	Cont Soil RCG-Tons
11/5/2010	932502	203	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	718	Cont Soil RCG-Tons
11/5/2010	932514	203	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	757	Cont Soil RCG-Tons
11/5/2010	932527	203	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	716	Cont Soil RCG-Tons
11/5/2010	932528	203	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	718	Cont Soil RCG-Tons
11/5/2010	932564	203	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	757	Cont Soil RCG-Tons
11/15/2010	933555	203	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	718	Cont Soil RCG-Tons
11/15/2010	933579	203	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	718	Cont Soil RCG-Tons
12/2/2010	935379	203	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	718	Cont Soil RCG-Tons
Internal Customer		Loads						
External Customer		Yards						
JOHN BOETTCHER SEWER & EXC	207	4900	\$3,879.73	66025.41				

Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	14.83	20	14.83	\$252.11	\$0.00	\$0.00	\$252.11
Unspecified Contaminated Soil, PMT RCG	LAKE-45	\$17.00	TON	21.35	80	21.35	\$362.95	\$0.00	\$0.00	\$362.95
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	18.06	20	18.06	\$307.02	\$0.00	\$0.00	\$307.02
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	9.87	20	9.87	\$167.79	\$0.00	\$0.00	\$167.79
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	21.81	30	21.81	\$370.77	\$0.00	\$0.00	\$370.77
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	19.58	20	19.58	\$332.86	\$0.00	\$0.00	\$332.86
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	18.22	20	18.22	\$309.74	\$0.00	\$0.00	\$309.74
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	12.79	30	12.79	\$217.43	\$0.00	\$0.00	\$217.43
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	17.43	20	17.43	\$296.31	\$0.00	\$0.00	\$296.31
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	16.82	20	16.82	\$285.94	\$0.00	\$0.00	\$285.94
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	19.03	30	19.03	\$323.51	\$0.00	\$0.00	\$323.51
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	11.46	20	11.46	\$194.82	\$0.00	\$0.00	\$194.82
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	10.55	20	10.55	\$179.35	\$0.00	\$0.00	\$179.35
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	9.15	30	9.15	\$155.55	\$0.00	\$0.00	\$155.55
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	15.78	20	15.78	\$268.26	\$0.00	\$0.00	\$268.26
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	18.66	20	18.66	\$317.22	\$0.00	\$0.00	\$317.22
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00	TON	10.83	20	10.83	\$184.11	\$0.00	\$0.00	\$184.11



EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 808827
928437

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
Ticket Date 10/04/2010 Vehicle# 757 ✓ Volume 30.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000203
State Waste Code Gen EPA ID
Manifest 603041in
Destination
PO
Profile 603041IN (PETROLEUM IMPACTED SOIL)
Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	Net	Tons
In 10/04/2010 10:27:14	Scale	lstop		Tare		
Out 10/04/2010 10:42:42	Scale	lstop		Net		
				Tare		

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RC6-Tons 100		26.77 ✓	Tons				ST JOSEPH
2 5635-SPEC WSTE PRF 100		1	Each				ST JOSEPH

EM LANDFILL

In # 0006012 - 0017-3

Total Tax
Total Ticket

Driver's Signature

NORFOLK



EARTHMOVERS RDF
 26488 COUNTY RD 26
 ELKHART, IN, 46517
 Ph: 574-875-5232

Original
 Ticket# 922467

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
 Ticket Date 10/04/2010 Vehicle# 757 Volume 30.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 PO
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	86200 lb
In: 10/04/2010 12:37:10	Scale	Istop		Tare	36440 lb
Out: 10/04/2010 12:37:10		Istop		Net	49810 lb
				Tons	24.92

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil PCB-Tons	100	<u>24.92</u>	Tons				ST JOSEPH

*Invo # 0006012-0017-3
 EM LANDALL*

Total Tax
 Total Ticket

Driver's Signature

NORFOLK



EARTHMOVERS RDF
 26486 COUNTY RD 26
 ELKHART, IN, 46517
 Ph: 574-975-5232

Original
 Ticket# 5234EB
 928468

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
 Ticket Date 10/04/2010 Vehicle# 716 Volume 20.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 503041IN
 Destination
 PO
 Profile 503041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	
In	10/04/2010 12:29:50	Scale	Istep		Tare	30050 11
Out	10/04/2010 12:52:31	Scale	Istep		Net	35100 10
					Tons	18.25

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RC6-Tons	100	<u>18.09</u>	Tons				ST JOSEPH

Inv# 0006012-0017-3
 EMLANDFILL

Total Tax
 Total Ticket

Driver's Signature

NOR FOLK



4671602

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 526169

928489

Customer Name	JOHN BOETTCHER SEWER JOHN BOE	Carrier	ctysthbend CITY OF SOUTH BEND
Ticket Date	10/04/2010	Vehicle#	716
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000203
State Waste Code		Gen EPA ID	
Manifest	603041n		
Destination			
Profile	603041IN (PETROLEUM IMPACTED SOIL)		
Generator	141-CITY OF SOUTH BEND CITY OF SOUTH BEND		

	Time	Scale	Operator	Inbound	Gross	88008 15
In	10/04/2010 13:53:43	Scale	lstop		Tare	30229 15
Out	10/04/2010 13:53:43		lstop		Net	29106 15
					Tons	14.05

Comments:

Product	LDX	Qty	UDM	Rate	Tax	Amount	Origin
1	Cont Soil RDD-fans 100	14.05	Tons				ST JOHNS

*Inw# 000012-0017 -3
EM LANDFILL*

Total Tax
Total Ticket

Driver's Signature

Norfolk



4671606

EARTHMOVERS RDF
26408 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 328453

928493

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier stysthbend CITY OF SOUTH BEND
Ticket Date 10/04/2010 Vehicle# 757 Helms 30.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000203
State Waste Code Gen EPA ID
Manifest E03041in
Destination
PO
Profile E03041IN (PETROLEUM IMPACTED SOIL)
Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	84550 15
In	10/04/2010 14:01:13	Scale	1stop		Tare	86440 15
Out	10/04/2010 14:01:13		1stop		Net	10520 15
					Tone	24.26

Comments

Product	LDX	Qty	UDM	Rate	Tax	Amount	Origin
1 Cont Soil PCO-Tons 100		24.26	Tons				ST JOSEPH-

INV # 000612-0017-3

Total Tax
Total Ticket

Driver's Signature

NORFOLK



4671637

EARTHMOVERS RDF
26488 COUNTY RD 2E
ELKHART, IN, 46517
Ph: 574-975-5232

Original
Ticket# 923524

923524

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
 Ticket Date 10/04/2010 Vehicle# 757 Volume 30.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA 10
 Manifest 603041N
 Destination
 PO
 Profile 603041N (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	79760 lb
In 10/04/2010 15:26:13	Scale	Istop		Tare	35440 lb
Out 10/04/2010 15:26:13		Istop		Net	41300 lb
				Tone	21.16

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCG-Tons 100		<u>21.16</u>	Tons				ST JOSEPH

Inv #0006012-0011-3

Total Tax
Total Ticket

Driver's Signature

NORFOLK



4671638

EARTHMOVERS RDF
28400 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Principal
Ticket# 928525

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
Ticket Date 10/04/2010 Vehicle# 716 Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000203
State Waste Code Gen EPA ID
Manifest 603041in
Destination
PG
Profile 603041IN (PETROLEUM IMPACTED SOIL)
Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	88400 10
In	10/04/2010 15:28:27	Scale	lstop		Tare	20800 10
Out	10/04/2010 15:28:27		lstop		Net	88500 10
					Tone	14.00

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil PCG-Tons	100	14.29	Tons				BT JOSEPH

Inv # 0006012-0017-3

Total Tax
Total Ticket

Driver's Signature

NORFOLK



4671660

EARTHMOVERS RCF
25488 COUNTY RD 26
ELMHART, IN, 46317
Ph: 574-875-5232

Original
Ticket# 996247

928547

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier citysbend CITY OF SOUTH BEND
 Ticket Date 10/05/2010 Vehicle# 716 Volume 20.0
 Payment Type Credit Account Container
 Annual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 Waste Code Gen EPA ID
 Manifest 503041IN
 Destination
 Profile 503041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	
10/05/2010 07:01:49	Scale	Istop		20920	16
10/05/2010 07:01:49		Istop		20560	16
				Net	33050
				Tons	16.53

Comments:

Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
Cont Soil RCG-Tons	100	16.53	Tons				ST JOSEPH

Inw # 0006012 -0017-3

Total Tax
Total Ticket

Driver's Signature

NORFOLK





4671631

EARTHMOVERS RDF
25488 COUNTY RD 2E
ELKHART, IN, 46517
Ph: 574-675-5232

Original
Ticket# 000540

928548

Customer Name JOHN ROETTCHE GEMER JOHN BOE Carrier citysbend CITY OF SOUTH BEND
 Ticket Date 10/05/2010 Vehicle# 757 Volume 22.3
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041N
 Destination
 PC
 Profile 603041N (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Rebound	Gross	
In	10/05/2010 07:03:49	Scale	1stop		50000	lb
Out	10/05/2010 07:03:49		1stop		38400	lb
					Net	11600
					Tons	22.32

Comments

Product	UOM	Qty	UOM	Rate	Tax	Amount	Origin
Cont Soil RC2B-Tons	100	22.32	Tons				ST JOSEPH

Inv # 000612-0017-3

Total Tax
Total Ticket

Driver's Signature

403WM-N



4671696

EARTHMOVERS RDF
26498 COUNTY RD 22
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 925567

928583

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ntysthband CITY OF SOUTH BEND
Ticket Date 10/05/2010 Vehicle# 757 Volume 32.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000203
State West. Code Gen EPA ID
Manifest 503041IN
Destination
PO
Profile 503041IN (PETROLEUM IMPACTED SOIL)
Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	
In	10/05/2010 08:35:23	Scale	lstop		Tons	86200 15
Out	10/05/2010 08:35:23		lstop		Net	32440 10
					Tons	43760 15
						24.86

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil REC-Tons	100	24.86	Tons				ST JOSEPH--

Inv # 0006012-0017-3

Total Tax
Total Ticket

Driver's Signature

403WM-N





4671704

EARTHMOVERS RDF
25488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket # 928592

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
Ticket Date 10/05/2010 Vehicle# 716 Volume 20.0
Payment Type Credit Account Container
Annual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000203
State Waste Code Gen EPA ID
Manifest 603041IN
Destination
Q
Profile 603041IN (PETROLEUM IMPACTED SOIL)
Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	86380 10
in 10/05/2010 09:10:56	Scale	lstop		Tare	30950 10
out 10/05/2010 09:10:56		lstop		Net	36120 10
				Tons	18.35

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
Cont Soil RC0-Tons	100	<u>18.06</u>	Tons				ST JOSEPH-

Inv # 0006012-0017-3

Total Tax
Total Ticket

Driver's Signature

NORFOLK



4671717

EARTYMOVERS, RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5332

Original
Ticket# 928604

928604

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
 Ticket Date 10/05/2010 Vehicle# 757 Volume 30.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 PO
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	76200 lb
In	10/05/2010 09:54:18	Scale	Istop		Tare	38470 lb
Out	10/05/2010 09:54:18		Istop		Net	39868 lb
					Tons	19.97

Comments:

Product	LDW	Qty	UDM	Rate	Tax	Amount	Origin
1 Cont Soil PCG-Tons	100	19.95	Tons				ST JOSEPH

Invo # 0006012-0017-3

Total Tax
Total Ticket

river's Signature

403WM-N





4671725

EARTHMOVERS RDF
26498 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket # 928612

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier City of South Bend
Ticket Date 10/05/2010 Vehicle# 716 Volume 20.0
Payment Type Credit Account Container
Annual Ticket# Driver
Billing Ticket# Check#
Waste Code Billing # 0000203
Manifest # 603041IN Gen EPA ID
Destination
Profile 603041IN (PETROLEUM IMPACTED SOIL)
Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	66600 75
10/05/2010 10:20:02	Scale	lstop		Tare	30850 15
10/05/2010 10:20:02		lstop		Net	35800 15
				Tons	17.90

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
Cont Soil: PCB-Ton: 100		17.90	Tons				ST JOSEPH

Inv # 0006012 -0017-3

Total Tax
Total Ticket

Driver's Signature

NORFOLK





4671742

EARTHMOVERS RDF
26499 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-3232

Original
Ticket# 928629

928629

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier City of South Bend
 Ticket Date 10/05/2010 Vehicle# 757 Volume 38.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041IN
 Destination
 Material 603041IN (PETROLEUM IMPACTED SOIL)
 Operator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	
In	10/05/2010 11:13:05	Scale	Istop		38440	10
Out	10/05/2010 11:13:05		Istop		49962	10
					Tons	24.53

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCG-Tons	100	24.53	Tons				BY 1032PA-

Inw # 0006012-0017-3

Total Tax
Total Ticket

river's Signature

403WM-N



4671745

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 524432

928632

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
 Ticket Date 10/05/2010 Vehicle# 716 Volume 30.8
 Payment Type Credit Account Container _____
 Annual Ticket# Driver _____
 Billing Ticket# Check# _____
 Route Billing # 0000203
 State Waste Code Gen EPA ID _____
 Manifest 803041IN
 Destination _____
 Profile 803041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	35290 16
10/05/2010 11:30:56	Scale	lstop		Tare	30560 18
10/05/2010 11:30:56		lstop		Net	34290 11
				Tons	17.19

Comment:

Product	LES	Rev	UDM	Rate	Tax	Amount	Origin
Cont Soil RCG-Tons 100		17.19	Tons				CT JNDSPR

Inw #0006012 -0017-3

Total Tax
Total Ticket

Driver's Signature

NORFOLK





4671763

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 985530

928650

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
 Ticket Date 10/05/2010 Vehicle# 752 Volume 30.0
 Payment Type Credit Account Container
 Annual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	83500 12
In 10/05/2010 12:34:46	Scale	Istop		Tare	38440 11
Out 10/05/2010 12:34:46		Istop		Net	47180 16
				Tons	23.73

Comments

Product	UOM	Rate	Tax	Amount	Origin
Cont Soil RC6-Tons 100	Tons	23.73			ST 002504

In #0006012-0017-3

Total Tax
Total Ticket

Driver's Signature

403WM-N





4671774

EARTHMOVERS RDF
25448 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original:
Ticket# 983601

928661

Customer Name JOHN BOETTCHE SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
 Ticket Date 10/05/2010 Vehicle# 716 Volume 20.2
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0002203
 State Waste Code Gen EPA ID
 Manifest 503041IN
 Destination
 PO
 Profile 503041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	55281
In	10/05/2010 12:54:51	Scale	Istop		Tare	39862
Out	10/05/2010 12:54:51		Istop		Net	34623
					Tons	17.21

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
Cont Soil RCG-Tons	100	17.21	Tons				ST JOSEPH

Inw #0006012 -0017-3

Total Tax
Total Ticket

Driver's Signature

NORFOLK



4671798

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 928025

928685

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
 Ticket Date 10/05/2010 Vehicle# 757 Volume 33.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest E03041in
 Destination
 PO
 Profile E03041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	34800 lb
In 10/05/2010 14:03:45	Scale	lstop		Tare	34442 lb
Out 10/05/2010 14:03:45		lstop		Net	47858 lb
				Tons	103.02

Comments:

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RC6-Tons	100	23.93	Tons				97 108804-

Inw # 0006012-0017-3

Total Tax
Total Ticket

Driver's Signature

403WM-N





4671803

EARTHMOVERS RDF
2640A COUNTY RD 2E
ELKHART, IN, 46517
PH: 574-875-5232

Original
Ticket# 988880

928690

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
 Ticket Date 10/05/2010 Vehicle# 716 Volume 20.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 PO
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	81380 11
In	10/05/2010 14:16:33	Scale	lstop		Tare	30852 11
Out	10/05/2010 14:15:33		lstop		Net	28500 11
					Tons	15.22

Comments:

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RDG-Tons	100	<u>15.25</u>	Tons				ST JOSEPH-

In # 0006012-0017-3

Total Tax
Total Ticket

river's Signature

NORFOLK





4671823

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket # 928711

928711

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
Ticket Date 10/05/2010 Vehicle# 716 Volume 28.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000203
State Waste Code Gen EPA ID
Manifest 603041in
Destination
PU
Profile 603041IN (PETROLEUM IMPACTED SOIL) ...
Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	62240 11
In 10/05/2010 15:25:32	Scale	lstop		Tare	30850 11
Out 10/05/2010 15:25:32		lstop		Net	31580 11
				Tons	15.99

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCG-Tons	100	<u>15.99</u>	Tons				ST JOSEPH

Ino# 0006012-0017-3

Total Tax
Total Ticket

Driver's Signature

NORFOLK



4671829

EARTHMOVERS RIF
26485 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 928718

928718

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
 Ticket Date 10/05/2010 Vehicle# 757 Volume 30.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041M
 Destination
 PO
 Profile 603041M (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	95118 10
In	10/05/2010 15:37:59	Scale	Istep		Total	36440 15
Out	10/05/2010 15:37:59		Istep		Net	42732 10
					Tons	21.08

Comments:

Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 Cont Soil RC6-Tons	100	24.35	Tons				CT JOSEPH-

Inw# 0006012 -0017-3

Total Tax
Total Ticket

Driver's Signature



4671847

EARTHMOVERS RDF
26428 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 358735

928735

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
 Ticket Date 10/06/2010 Vehicle# 757 Volume 26.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 PO
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	98500 11
In 10/06/2010 07:07:03	Scale	1stop		Tare	09440 11
Out 10/06/2010 07:07:03		1stop		Net	12060 11
				Tone	26.00

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCB-Tons	100	<u>26.03</u>	Tons				ST 000074-

*Invoice# 0006012-0017-3
NORFOLK*

Total Tax
Total Ticket

Driver's Signature



4671833

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 528772

928 770

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
 Ticket Date 10/06/2010 Vehicle# 757 Volume 20.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 PO
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	
In 10/06/2010 09:05:04	Scale	Istop		Tare	35440 15
Out 10/06/2010 09:05:04		Istop		Net	45340 15
				Tons	24.52

Comments

Product	LDX	Qty	UDM	Rate	Tax	Amount	Origin
1 Cont Soil RCB-Tons	100	24.52	Tons				ST 3052701

In#0006012-0017-3

NORFOLK

Total Tax
Total Ticket

Driver's Signature



4671885

EARTHMOVERS RDF
26485 COUNTY RD 28
ELKHART, IN, 46517
Ph: 574-675-5232

Original
Ticket# 926772

928772

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
 Ticket Date 10/06/2010 Vehicle# 757 Volume 30.0
 Payment Type Credit Account Container
 Manual Ticket# 699295 Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 PD
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Gen EPA ID 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	85146 lbs
In 10/06/2010 10:44:17	Scale	lstop		Tare	35490 lbs
Out 10/06/2010 10:44:17		lstop		Net	40720 lbs
		* Manual Weight		Tone	24.35

Comments:

Product	LDX	Qty	UDM	Rate	Tax	Amount	Origin
1 Cont Soil RCG-Tons	100	24.35	Tons				ST JOSEPH

Invo # 0006012-0017-3

NORFOLK

Total Tax
Total Ticket

Driver's Signature



4672048

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 928935

928935

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
 Ticket Date 10/07/2010 Vehicle# 757 Volume 30.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 60304in
 Destination
 PO
 Profile 60304IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	52040 lb
In	10/07/2010 09:56:21	Scale	Istop		Tare	35446 lb
Out	10/07/2010 09:56:21		Istop		Net	45500 lb
					Tons	22.00

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RC6-Tons	100	22.00	Tons				ST JOSEPH-

Ino# 0006012-0017-3

Total Tax
Total Ticket

river's Signature

NORFOLK



4672051

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 928927
928939

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier citysbend CITY OF SOUTH BEND
Ticket Date 10/07/2010 Vehicle# 715 Volume 20.2
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000203
State Waste Code Gen EPA ID
Manifest 60304111
Destination
PO
Profile 60304111 (PETROLEUM IMPACTED SOIL)
Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	
In	10/07/2010 10:03:07	Scale	lstop		30200	15
Out	10/07/2010 10:03:07		lstop		13600	15
					Tons	16.15

Comments

Product	LE#	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RC0-Tons	100	16.15	Tons				ST JOSEPH

Inw# 0006012-0017-3

Total Tax
Total Ticket

Driver's Signature *Shane*



4672056

EARTHMOVERS RRF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 928943

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
Ticket Date 10/07/2010 Vehicle# 718 Volume 20.0
Payment Type Credit Account Container
Annual Ticket# Driver
hauling Ticket# Check#
Route Billing # 0000203
State Waste Code Gen EPA ID
Manifest 603041in
Destination
Profile 603041IN (PETROLEUM IMPACTED SOIL)
Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	
n	10/07/2010 10:00:40	Scale	Istop		61150 lb	
ut	10/07/2010 10:11:08	Scale	Istop		Tare 29960 lb	
					Net 32200 lb	
					Tons 16.10	

Comments REPLACEMENT TICKET FOR TICKET # 928937 REPLACEMENT TICKET FOR TICKET # 928942

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
Cont Soil RCG-Tons	100	16.10	Tons				ST JOSEPH-

In # 0006012-0017-5

Total Tax
Total Ticket

Driver's Signature



4672032

EARTHMOVERS PDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 928969

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
Ticket Date 10/07/2010 Vehicle# 757 Volume 36.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000203
State Waste Code Gen EPA ID
Manifest 603041in
Destination
PO
Profile 603041IN (PETROLEUM IMPACTED SOIL)
Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	
In	10/07/2010 11:56:54	Scale	sellian		Tare	36440 15
Out	10/07/2010 11:56:54		sellian		Net	41000 15
					Tons	20.65

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
Cont Soil RC6-Tons	100	<u>20.65</u>	Tons				ST JOSEPH-

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Total Tax
Total Ticket

Driver's Signature

NORFOLK





4672083

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-3232

Original
Ticket# 120972
928970


Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
Ticket Date 10/07/2010 Vehicle# 718 Volume 23.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000203
State Waste Code Gen EPA ID
Manifest E03041in
Destination
PO
Profile E03041IN (PETROLEUM IMPACTED SOIL)
Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	
In	10/07/2010 11:58:55	Scale	sellian		56290	12
Out	10/07/2010 11:58:55		sellian		28960	12
					Net	29320
					Tons	14.05

Comments

Product	LDX	Qty	UDM	Rate	Tax	Amount	Origin
1 Cont Soil RC6-Tons	100	14.66	Tons				RT JOSEPH

Inv# 0006012-0017-3

Driver's Signature 

Total Tax
Total Ticket



4672095

EARTHMOVERS RDF
26406 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 928982
928982

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
Ticket Date 10/07/2010 Vehicle# 716 Volume 20.0
Payment type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000203
State Waste Code Gen EPA ID
Manifest 60304.in
Destination
PO
Profile 5030411N (PETROLEUM IMPACTED SOIL)
Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	
In	10/07/2010 12:31:19	Scale	lstop		73200	lb
Out	10/07/2010 12:31:12		lstop		30850	lb
					Net	42350
					Tons	21.18

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RC9-Tons	100	21.18	Tons				ST JOSEPH

In# 0006012-0017-3

Total Tax
Total Ticket

Driver's Signature

Shane



4672111

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 928996


Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
 Ticket Date 10/07/2010 Vehicle# 718 Volume 20.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 PO
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	58860 16
In 10/07/2010 13:21:53	Scale	lstop		Tare	29960 16
Out 10/07/2010 13:21:53		lstop		Net	29900 16
				Tons	14.95

Comments:

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCG-Tons	100	<u>14.95</u>	Tons				ST JOSEPH-

Inv#0006012-0017-3

Driver's Signature 

Total Tax
Total Ticket





4672113

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 525000

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
 Ticket Date 10/07/2010 Vehicle# 757 Volume 30.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 PG
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	
In 10/07/2010 13:25:59	Scale	Istop		Tare	77250 10
Out 10/07/2010 13:25:59		Istop		Net	36440 10
				Tons	40890 10
					20.0

Comments #

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCG-Tons	100	<u>20.41</u>	Tons				ST JOSEPH-

Invo # 0006012-0017-3

Total Tax
Total Ticket

Driver's Signature

NORFOLK



4672117

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 929004

929004

Customer Name	JOHN BOETTCHER SEWER JOHN BOE	Carrier	ctysthbend CITY OF SOUTH BEND
Ticket Date	10/07/2010	Vehicle#	715
Payment Type	Credit Account	Container	Volume 20.0
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000203
State Waste Code		Gen EPA ID	
Manifest	603041in		
Destination			
Profile	603041IN (PETROLEUM IMPACTED SOIL)		
Generator	141-CITY OF SOUTH BEND CITY OF SOUTH BEND		

	Time	Scale	Operator	Inbound	Gross	
In	10/07/2010 13:43:02	Scale	lstop		Tare	57000 lb
Out	10/07/2010 13:45:02		lstop		Net	30950 lb
					Tons	15.47

Comments

Product	LOS	Qty	UDM	Rate	Tax	Amount	Origin
1	Cont Soil RC6-Tons	140		18.97	Tons		ST JOSEPH

Inw # 000602 - 0017 - 3

Total Tax
Total Ticket

Driver's Signature

Shane



4672132

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 029015

929019

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
 Ticket Date 10/07/2010 Vehicle# 718 Volume 20.2
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 PG
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	
In 10/07/2010 14:39:17	Scale	lstop		55960	15
Out 10/07/2010 14:39:17		lstop		Tare	28960
				Net	37020
				Tons	18.51

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Conc Soil RC3-Tons	100	18.51	Tons				ST JOHNS

In # 000602-0017-3

Driver's Signature

Total Tax
Total Ticket



4672140

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Tickets 929027

929027

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
 Ticket Date 10/07/2010 Vehicle# 757 Volume 30.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 PO
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	
In	10/07/2010 14:53:01	Scale	1stop		Tare	77060 lb
Out	10/07/2010 14:53:01		1stop		Net	38440 lb
					Tons	40820 lb
						20.31

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil PCB-Tons	100	20.31	Tons				ST JOSEPH

Inv# 0006612-0017-3

NORFOLK

Total Tax
Total Ticket

river's Signature



4672144

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 129031

929031

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier City of South Bend
 Ticket Date 10/07/2010 Vehicle# 716 Volume 20.8
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 503041in
 Destination
 PO
 Profile 503041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	
In	10/07/2010 15:01:43	Scale	lstop		67880	lb
Out	10/07/2010 15:01:43		lstop		39860	lb
					Net	30420
					Tons	18.21

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RC6-Tons	100	18.21	Tons				ST JOSEPH

Invt# 0006012-0017-3

Total Tax
Total Ticket

Driver's Signature

Share



4672160

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 929047

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier City of South Bend
Ticket Date 10/07/2010 Vehicle# 716 Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000203
Waste Code Gen EPA ID
Manifest 503041IN
Destination

Title 503041IN (PETROLEUM IMPACTED SOIL)
Operator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	
10/07/2010 15:52:39	Scale	Spillan		63540	1b
10/07/2010 15:52:39		Spillan		30860	1b
				Net	32680 1b
				Tons	16.34

LD%	Qty	UOM	Rate	Tax	Amount	Origin
11	RCB-Tons 100	16.34	Tons	-3		ST JOSEPH-

T# 00601-007-3

Total Tax
Total Ticket



4672174

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 929061

929061

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier 'ctysthbend CITY OF SOUTH BEND
 Ticket Date 10/07/2010 Vehicle# 757 Volume 30.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041IN
 Destination
 PD..
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	
In	10/07/2010 16:19:00	Scale	sellian		77700 13	
Out	10/07/2010 16:19:00		sellian		Tare 36400 13	
					Net 41200 13	
					Tons	20.64

Comments

Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 Cont Soil RCB-Tons	100	<u>20.64</u>	Tons				ST JOSEPH-

In # 000012-0012-3

Total Tax
Total Ticket

NORFOLK

Driver's Signature



4672176

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 929063

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthband CITY OF SOUTH BEND
Ticket Date 10/07/2010 Vehicle# 715 Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000203
State Waste Code Gen EPA ID
Manifest 603041IN
Destination
RD
Profile 603041IN (PETROLEUM IMPACTED SOIL)
Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	
In	10/07/2010 16:22:39	Scale	sellian		73400 lb	
Out	10/07/2010 16:22:39		sellian		39850 lb	
					Net	42540 lb
					Tons	21.27

Comments

Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 Cont Soil RCG-Tons	100	<u>21.27</u>	Tons				ST JOSEPH-

In #0006012-0017-3

Total Tax
Total Ticket

Driver's Signature *Shane*



4672182

EARTHMOVERS RDF
26488 COUNTY RD 2E
ELKHART, IN, 45517
Ph: 574-875-5232

Original
Ticket# 929059

929069

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
 Ticket Date 10/08/2010 Vehicle# 757 Volume 30.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 503041in
 Destination
 PO
 Profile 503041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	
In 10/08/2010 07:07:13	Scale	Istop		Tare	76720 lb
Out 10/08/2010 07:07:13		Istop		Net	36440 lb
				Tons	40290 lb
					20.14

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RC6-Tons	100	<u>20.14</u>	Tons				ST JOSEPH-

Inw# 0006012-0017-3

Total Tax
Total Ticket

river's Signature

NORFOLK



4672184

EARTHMOVERS RDF
25498 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 529071

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
Ticket Date 10/08/2010 Vehicle# 716 Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000203
State Waste Code Gen EPA ID
Manifest 603041in
Destination
PD
Profile 603041IN (PETROLEUM IMPACTED SOIL)
Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	59650 lb
In	10/08/2010 07:11:20	Scale	lstop		Tare	30800 lb
Out	10/08/2010 07:11:20		lstop		Net	38800 lb
					Tons	19.40

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCG-Tons	100	<u>19.40</u>	Tons				ST JOSEPH-

Inw # 0006012 - 0017-3

Total Tax
Total Ticket

Driver's Signature *Shane*



4672208

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
PH: 574-875-5232

Original
Ticket# 929035
929095

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
Ticket Date 10/08/2010 Vehicle# 718 Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000203
State Waste Code Gen EPA ID
Manifest 603041in
Destination
PO
Profile 603041IN (PETROLEUM IMPACTED SOIL)
Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	64640 15
In	10/08/2010 08:26:43	Scale	lstop		Tare	28960 30
Out	10/08/2010 08:26:43		lstop		Net	35680 15
					Tons	17.84

Comments

Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 Cont Soil RCG-Tons	100	<u>17.84</u>	Tons				ST JOSEPH-

Inv # 0006012-0017-3

Driver's Signature

NORFOLK

Total Tax
Total Ticket



4672212

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 529039

929099

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
 Ticket Date 10/08/2010 Vehicle# 716 Volume 20.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 PO
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	64560 lb
In	10/08/2010 08:36:51	Scale	Istop		Tare	30060 lb
Out	10/08/2010 08:36:51		Istop		Net	33700 lb
					Tone	16.85

Comments

Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 Cont Soil RCS-Tons	100	16.85	Tons				ST JOSEPH-

Inv # 0006012-0017-3

Total Tax
Total Ticket

Driver's Signature *Shane*



4672219

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 929106

Customer Name	JOHN BOETTCHER SEWER JOHN BOE	Carrier	ctysthbend CITY OF SOUTH BEND
Ticket Date	10/08/2010	Vehicle#	<u>757</u> Volume 30.0
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000203
State Waste Code		Gen EPA ID	
Manifest	60304iin		
Destination			
Profile	603241IN (PETROLEUM IMPACTED SOIL)		
Generator	141-CITY OF SOUTH BEND CITY OF SOUTH BEND		

	Time	Scale	Operator	Inbound	Gross	87580 10
In	10/08/2010 08:54:21	Scale	Istop		Tare	35440 10
Out	10/08/2010 08:54:21		Istop		Net	51140 10
					Tons	25.57

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RC6-Tons	100	<u>25.57</u>	Tons				ST JOSEPH

Ins# 0006012 - 0017-3

Total Tax
Total Ticket

river's Signature

NORFOLK





4672228

EARTHMOVERS ROP
28488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 929115

929115

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
 Ticket Date 10/08/2010 Vehicle# 718 Volume 20.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 PO
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	
In 10/08/2010 09:35:07	Scale	Istop		65700 lb	
Out 10/08/2010 09:35:07		Istop		20960 lb	
				Net	36920 lb
				Tons	18.4

Comments

Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 Cont. Soil RCG-Tons	100	18.41	Tons				ST JOSEPH-

Inv# 0006012-0017-3

NORFOLK

Total Tax
Total Ticket

Driver's Signature



4672234

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 929121

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
Ticket Date 10/08/2010 Vehicle# 716 Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000203
State Waste Code Gen EPA ID
Manifest 603041in
Destination
PO
Profile 603041IN (PETROLEUM IMPACTED SOIL)
Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	
In	10/08/2010 09:50:59	Scale	Istop			66420 lb
Out	10/08/2010 09:50:59		Istop			30860 lb
					Net	35560 lb
					Tons	17.78

Comments

Product	LD%	Dty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCG-Tons	100		Tons	17.78			ST JOSEPH-

Inw # 0006012 -0017 -3

Total Tax
Total Ticket

river's Signature *Shane*





4672241

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 908125

929128

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
 Ticket Date 10/08/2010 Vehicle# 757 Volume 30.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 PO
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	
In	10/08/2010 10:10:11	Scale	Istop		51920 lb	
Out	10/08/2010 10:10:11		Istop		Tare 36440 lb	
					Net 45460 lb	
					Tons 22.74	

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RC6-Tons	100	22.74	Tons				ST JOSEPH--

Inw #0006012-0017-3

Total Tax
Total Ticket

river's Signature

NORFOLK





4672249

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 929136

Customer Name	JOHN BOETTCHER SEWER JOHN BOE	Carrier	ctysthbend CITY OF SOUTH BEND
Ticket Date	10/08/2010	Vehicle#	718
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000203
State Waste Code		Gen EPA ID	
Manifest	603041in		
Destination			
Profile	603041IN (PETROLEUM IMPACTED SOIL)		
Generator	141-CITY OF SOUTH BEND CITY OF SOUTH BEND		

	Time	Scale	Operator	Inbound	Gross	64380	15
In	10/08/2010 10:47:02	Scale	Istop		Tare	28960	15
Out	10/08/2010 10:47:02		Istop		Net	35420	15
					Tons		17.71

Comments:

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1		17.71	Tons				ST JOSEPH-

Inv# 000602-0017-3

Driver's Signature

NORFOLK

Total Tax
Total Ticket



4672251

EARTHMOVERS RDF
2248A COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 529138

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
Ticket Date 10/08/2010 Vehicle# 716 Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000203
State Waste Code Gen EPA ID
Manifest 603041in
Destination
PO
Profile 603041IN (PETROLEUM IMPACTED SOIL)
Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	56700 10
In 10/08/2010 10:57:21	Scale	Istop		Tare	30500 10
Out 10/08/2010 10:57:21		Istop		Net	35920 10
				Tons	17.96

Comments

Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 Cont Soil ROG-Tons	100	17.96	Tons				ST JOSEPH

Inw# 0006012 -0017 -3

Total Tax
Total Ticket

Driver's Signature

Shore



4672258

EARTHMOVERS RDF
26498 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 029145
929145

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
Ticket Date 10/08/2010 Vehicle# 757 Volume 30.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000203
State Waste Code Gen EPA ID
Manifest 50304in
Destination
PO
Profile 50304IN (PETROLEUM IMPACTED SOIL)
Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	
In	10/08/2010 11:29:11	Scale	sellian		71000	lb
Out	10/08/2010 11:29:11		sellian		35440	lb
					Net	35560
					Tons	17.53

Comments

Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 Cont Soil RC6-Tons	100	17.53	Tons				ST JOSEPH-

Inw#0006012-0017-3

Total Tax
Total Ticket

Driver's Signature

NORFOLK



4672262

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 005145

929149

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
 Ticket Date 10/08/2010 Vehicle# 718 Volume 20.2
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 503041IN
 Destination
 PO
 Profile 503041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	
In	10/08/2010 12:02:58	Scale	Istop		Tare	57920 10
Out	10/08/2010 12:02:59		Istop		Net	38940 10
					Tons	19.42

Comments

Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 Cont Soil RC6-Tons	100	19.42	Tons				ST JOSEPH

In # 0006012-0017-3

Total Tax
Total Ticket

Driver's Signature

Norfolk



4672264

EARTHMOVERS RDF
26485 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 929151

Customer Name	JOHN BOETTCHER SEWER JOHN BOE	Carrier	ctysthbend CITY OF SOUTH BEND
Ticket Date	10/08/2010	Vehicle#	715
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000203
State Waste Code		Gen EPA ID	
Manifest	603041in		
Destination			
Profile	603041IN (PETROLEUM IMPACTED SOIL)		
Generator	141-CITY OF SOUTH BEND CITY OF SOUTH BEND		

	Time	Scale	Operator	Inbound	Gross	64500	15
In	10/08/2010 12:07:33	Scale	lstop		Tare	30860	15
Out	10/08/2010 12:07:33		lstop		Net	33640	15
					Tons		16.82

Comments:

Product	LDX	Qty	UDM	Rate	Tax	Amount	Origin
1 Cont Soil RCG-Tons	100	16.82	Tons				ST JOSEPH-

Inv#0006012-0017-3

Total Tax
Total Ticket

Driver's Signature

Shane





4672282

EARTHMOVERS RDF
26485 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 929169

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
Ticket Date 10/08/2010 Vehicle# 757 Volume 30.2
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000203
State Waste Code Gen EPA ID
Manifest 6030411
Destination
PO
Profile 6030411N (PETROLEUM IMPACTED SOIL)
Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	
In	10/08/2010 12:46:35	Scale	lstop		77650	10
Out	10/08/2010 12:46:35		lstop		36440	10
					Net	41420
					Tons	20.71

Comments

Product	LDX	Qty	UDM	Rate	Tax	Amount	Origin
i Cont Soil RCB-Tons	100	<u>20.71</u>	Tons				ST JOSEPH

In#0006012-0017-3

Total Tax
Total Ticket

Driver's Signature

NORFOLK



4672288

EARTHMOVERS, RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 929175

929175

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
 Ticket Date 10/08/2010 Vehicle# 718 Volume 20.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 PD
 Profile 603041IN (PETROLEUM IMPACTED SDIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	
In	10/08/2010 13:09:59	Scale	Istop		58380	15
Out	10/08/2010 13:09:59		Istop		28962	15
					Net	39420
					Tons	19.71

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil PCB-Tons	100	19.71	Tons				ST JOSEPH-

Inw # 0006012-0017-3

Driver's Signature

NORFOLK

Total Tax
Total Ticket



4672291

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 929178
929178

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
Ticket Date 10/08/2010 Vehicle# 716 Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000203
State Waste Code Gen EPA ID
Manifest 60304110
Destination
PO
Profile 6030411N (PETROLEUM IMPACTED SOIL)
Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	
In	10/08/2010 13:16:01	Scale	Istop		57340	10
Out	10/08/2010 13:16:01		Istop		30860	10
					Net	36480
					Tons	18.24

Comments

Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 Cont Soil PCB-Tons	100	18.24	Tons				ST JOSEPH-

Inv # 0006012-0017-3

Total Tax
Total Ticket

river's Signature

Shane



4672305

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 529192

929192

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthband CITY OF SOUTH BEND
 Ticket Date 10/08/2010 Vehicle# 757 Volume 30.2
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 PO
 Profile 603041in (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	
In 10/08/2010 14:04:03	Scale	1stop		75580 lb	
Out 10/08/2010 14:04:03		1stop		56440 lb	
				Net	19140 lb
				Tons	19.57

Comments:

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RC6-Tons	100	19.57	Tons				ST JOSEPH--

Inw# 006012-0011-3

Total Tax
Total Ticket

Driver's Signature

NORFOLK



4672312

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original:
Ticket# 929199

929199

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
 Ticket Date 10/08/2010 Vehicle# 719 Volume 20.3
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 PO
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	
In 10/08/2010 14:19:07	Scale	lstop		69700	lb
Out 10/08/2010 14:19:07		lstop		28960	lb
				Net	40740
				Tons	20.37

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCG-Tons	100	20.37	Tons				ST JOSEPH-

Inw# 0006012-0017-3

Driver's Signature

NORFOLK

Total Tax
Total Ticket



4672317

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 929204

929204

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
Ticket Date 10/08/2010 Vehicle# 716 Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000203
State Waste Code Gen EPA ID
Manifest 503041M
Destination
PO
Profile 603041M (PETROLEUM IMPACTED SOIL)
Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	67349 lb
In 10/08/2010 14:35:03	Scale	Istop		Tare	30080 lb
Out 10/08/2010 14:35:03		Istop		Net	36400 lb
				Tons	18.21

Comments

Product	LD%	Dty	UDM	Rate	Tax	Amount	Origin
1 Cont Soil RCG-Tons	100		Tons				ST JOSEPH-

Inw# 0006012-0017-3

Total Tax
Total Ticket

Driver's Signature *Shane*



4672329

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 929216
929216

Customer Name	JOHN BOETTCHER SEWER JOHN BOE	Carrier	ctysthbend CITY OF SOUTH BEND
Ticket Date	10/08/2010	Vehicle#	<u>757</u> Volume 30.0
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000203
State Waste Code		Gen EPA ID	
Manifest	603041in		
Destination			
PO			
Profile	603041IN (PETROLEUM IMPACTED SOIL)		
Generator	141-CITY OF SOUTH BEND CITY OF SOUTH BEND		

	Time	Scale	Operator	Inbound	Gross	
In	10/08/2010 15:25:14	Scale	Istop		74420	lb
Out	10/08/2010 15:25:14		Istop		36440	lb
					Net	37980
					Tons	18.99

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RC6-Tons	100	<u>18.99</u>	Tons				ST JOSEPH

Inw#0006012-0017-3

Total Tax
Total Ticket

Driver's Signature

NORFOLK



4672333

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 929220

929220

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
 Ticket Date 10/08/2010 Vehicle# 718 Volume 20.0
 Payment Type Credit Account Container _____
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 PO
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	
In 10/08/2010 15:32:26	Scale	Istop		Tare	88340 lb
Out 10/08/2010 15:32:26		Istop		Net	28960 lb
				Tare	39360 lb
					19.69

Comments

Product	LD%	Dty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil PCB-Tons	100		Tons				ST JOSEPH-

Inw #0006012-0017-3

river's Signature

NORFOLK

Total Tax
Total Ticket



4672339

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 329226
929226

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
Ticket Date 10/08/2010 Vehicle# 716 Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000203
State Waste Code Gen EPA ID
Manifest 603041in
Destination
PO
Profile 603041in (PETROLEUM IMPACTED SOIL)
Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	
In 10/08/2010 15:43:21	Scale	lstop		Tare	67800 lb
Out 10/08/2010 15:43:31		lstop		Net	30950 lb
				Tons	37020 lb
					18.51

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RC6-Tons	100	18.51	Tons				ST JOSEPH--

In #0006012-0017-3

Total Tax
Total Ticket

river's Signature *Shome*



4672394

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 929281

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
Ticket Date 10/11/2010 Vehicle# 757 Volume 30.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000203
State Waste Code Gen EPA ID
Manifest 6030411n
Destination
PO
Profile 6030411N (PETROLEUM IMPACTED SOIL)
Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	
In 10/11/2010 08:22:58	Scale	lstop		Tare	76860 lb
Out 10/11/2010 08:22:58		lstop		Net	36440 lb
				Tons	90420 lb
					20.21

Comments

Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 Cont Soil RCG-Tons	100	<u>20.21</u>	Tons				ST JOSEPH-

Inw #0006012-0017-3

Total Tax
Total Ticket

Driver's Signature

NORFOLK



4672396

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 929283

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
Ticket Date 10/11/2010 Vehicle# 716 Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000203
State Waste Code Gen EPA ID
Manifest 603041in
Destination
PO
Profile 603041IN (PETROLEUM IMPACTED SOIL)
Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	
In	10/11/2010 08:26:48	Scale	lstop		Tare	70620 lb
Out	10/11/2010 08:26:48		lstop		Net	30860 lb
					Tons	39760 lb
						19.88

Comments

Product	LD%	Dty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCG-Tons	100		Tons	19.88			ST JOSEPH-

Ins #0006012-0017-3

Total Tax
Total Ticket

Driver's Signature *Shane*

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4672398

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 929285

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
 Ticket Date 10/11/2010 Vehicle# 718 Volume 20.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 PO
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	
In	10/11/2010 08:30:47	Scale	Istop		28960 lb	
Out	10/11/2010 08:30:47		Istop		30840 lb	
						19.42

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCG-Tons	100	19.42	Tons				ST JOSEPH-

Ins# 0006012-0017-3

Driver's Signature

Norfolk

Total Tax
Total Ticket



4672422

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-675-5232

Original
Ticket# 929309

929309

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
 Ticket Date 10/11/2010 Vehicle# 757 Volume 30.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 PG
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	78500 lb
In 10/11/2010 09:39:25	Scale	Istop		Tare	36440 lb
Out 10/11/2010 09:39:25		Istop		Net	42160 lb
				Tons	21.00

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCB-Tons	100	21.00	Tons				ST JOSEPH-

Inw #0006012-0017-3

Total Tax
Total Ticket

Driver's Signature

NORFOLK



4672426

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 929313

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
 Ticket Date 10/11/2010 Vehicle# 718 Volume 20.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 PG
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	72520 lb
In	10/11/2010 09:53:48	Scale	lstop		Tare	28960 lb
Out	10/11/2010 09:53:48		lstop		Net	43560 lb
					Tons	21.78

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil RCG-Tons 100	<u>21.78</u>	Tons				ST JOSEPH-

Inw #0006012-2017-3

Driver's Signature

Total Tax
Total Ticket

Norfolk



4672435

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 929322

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
 Ticket Date 10/11/2010 Vehicle# 716 Volume 20.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 ID
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

In	Time	Scale	Operator	Inbound	Gross	67620 lb
	10/11/2010 10:13:40	Scale	Istop		Tare	30860 lb
Out	10/11/2010 10:13:40		Istop		Net	36760 lb
					Tons	18.38

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
Cont Soil RC6-Tons	100	18.38	Tons				ST JOSEPH-

Invt 0006012-0017-3

Total Tax
Total Ticket

Driver's Signature *Shane*

Norfolk





4674283

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 930070

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
 Ticket Date 10/15/2010 Vehicle# 757 Volume 30.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 PO
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	76340 lb
In 10/15/2010 12:31:25	Scale	1stop		Tare	36440 lb
Out 10/15/2010 12:31:25		1stop		Net	39900 lb
				Tons	19.95

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil PCB-Tons	100	<u>19.95</u>	Tons				ST JOSEPH-

Trs #0006012-0017-3

Total Tax
Total Ticket

Driver's Signature

*NORFOLK
(ADDITIONAL CONT.)*



4674395

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 930181

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
Ticket Date 10/18/2010 Vehicle# 757 Volume 30.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000203
State Waste Code Gen EPA ID
Manifest 603041in
Destination
PO
Profile 603041IN (PETROLEUM IMPACTED SOIL)
Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	78500 lb
In 10/18/2010 08:52:59	Scale	lstop		Tare	36440 lb
Out 10/18/2010 08:52:59		lstop		Net	42060 lb
Comments				Tons	21.03

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RC6-Tons	100	21.03	Tons				ST JOSEPH-

Intr # 0000203-0017-9

Total Tax
Total Ticket

Driver's Signature

Norfolk
Norfolk





4674402

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 930188

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
Ticket Date 10/18/2010 Vehicle# 718 Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000203
State Waste Code Gen EPA ID
Manifest 603041in
Destination
PD
Profile 603041IN (PETROLEUM IMPACTED SOIL)
Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

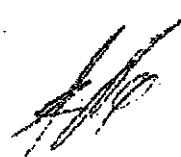
	Time	Scale	Operator	Inbound	Gross	63640 lb
In	10/18/2010 09:11:39	Scale	Istop		Tare	28960 lb
Out	10/18/2010 09:11:39		Istop		Net	34680 lb
					Tons	17.34

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RC6-Tons 100		17.34	Tons				ST JOSEPH-

Inv # 0006028-0017-9

river's Signature



Norfolk

Total Tax
Total Ticket



Job 1

4674403

EARTHMOVERS RDF
26488 COUNTY RD 26
ELKHART, IN, 46517
Ph: 574-875-5232

Original
Ticket# 930189

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
Ticket Date 10/18/2010 Vehicle# 7 Volume 20.0
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000203
State Waste Code Gen EPA ID
Manifest 603041in
Destination
PO
Profile 603041IN (PETROLEUM IMPACTED SOIL)
Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	
In	10/18/2010 09:13:25	Scale	Istop		64360 lb	
Out	10/18/2010 09:13:25		Istop		28360 lb	
					Net	36000 lb
					Tons	18.00

Comments:

Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 Cont Soil RC6-Tons	100	18.00	Tons				ST JOSEPH-

Inv # 0006213-0017-9

Operator's Signature

Operator's Signature

Total Tax
Total Ticket

*NORFOLK
(ADDITIONAL)*



EARTHMOVERS RDF
 26488 COUNTY RD 26
 ELKHART, IN, 46517
 Ph: 574-975-5232

Original
 Ticket# 930709

930709

Customer Name JOHN BOETTCHER SENIOR JOHN BOE Carrier City of South Bend
 Ticket Date 10/21/2010 Vehicle# 718 Volume 20.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041IN
 Destination
 PG
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	55620 lb
In 10/21/2010 07:21:01	Scale	Istep		Tare	28960 lb
Out 10/21/2010 07:21:01		Istep		Net	26660 lb
				Tons	19.33

Comments REPLACEMENT TICKET FOR TICKET # 930709

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil PCB-Tons	100	19.33	Tons				ST JOSEPH-

I # 000028-00179
All pd

Driver's Signature

Total Tax
 Total Ticket



EARTHMOVERS RDF
 25488 COUNTY RD 35
 ELKHART, IN, 46517
 Ph: 574-875-5232

Original
 Ticket# 920754

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier citysbend CITY OF SOUTH BEND
 Ticket Date 10/21/2010 Vehicle# 715 Volume 20.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 503041in
 Destination
 ID
 Profile 503041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	75740 lb
In	10/21/2010 10:15:45	Scale	lstep		Tare	29850 lb
Out	10/21/2010 10:15:45		lstep		Net	15000 lb
					Tare	22.94

Comments:

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCB-Tons	100	22.94	Tons				ST JOSEPH

I # 0000208 0017-9

Total Tax
 Total Ticket

Driver's Signature *Share*

Norfolk



EARTHMOVERS RDF
 26180 COUNTY RD 26
 ELKHART, IN, 46517
 Ph: 574-875-5222

Original
 Ticket# 930814

930814

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier City of South Bend
 Ticket Date 10/21/2010 Vehicle# 3 Volume 30.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 PG
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	57120 lb
In 10/21/2010 13:27:37	Scale	Istep		Tare	27380 lb
Out 10/21/2010 13:27:37		Istep		Net	29780 lb
				Tons	14.89

Comments

Product	LD%	Qty	UCM	Rate	Tax	Amount	Origin
1 Cont Soil RC6-Tons	100	14.88	Tons				ST JOSEPH-

I#0000203-0017-9
Alfred

Driver's Signature

Total Tax
 Total Ticket



EARTHMOVERS RDF
 26489 COUNTY RD 26
 ELKHART, IN, 46517
 PH: 574-875-5222

Original
 Ticket# 930820

930820

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier stuythbend CITY OF SOUTH BEND
 Ticket Date 10/21/2010 Vehicle# 716 Volume 20.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603011in
 Destination
 PD
 Profile 603011IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	02200	lb
In 10/21/2010 13:45:32	Scale	Totop		Tare	20000	lb
Out 10/21/2010 13:45:39		Totop		Net	31360	lb
				Tons	15.68	

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RC9-Tons	100	15.68	Tons				ST JOSEPH-

I # 0006028-0017-9

Total Tax
 Total Ticket

Driver's Signature *Shane*

Norfolk



EARTHMOVERS RDF
 32199 COUNTY RD 26
 ELKHART, IN, 46517
 Ph: 574-875-5232

Original
 Ticket# 930835

9308 35

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier styocthbend CITY OF SOUTH BEND
 Ticket Date 10/21/2010 Vehicle# 719 Volume 20.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 PO
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	62710 lb
In 10/21/2010 14:23:15	Scale	Islop		Tare	28960 lb
Out 10/21/2010 14:23:15		Islop		Net	33750 lb
				Tare	16.89

Comments

Product	LDX	Qty	UDM	Rate	Tax	Amount	Origin
1 Cont Soil RCB-Tonc	100	16.89	Tonc				ST JOSEPH

I #0006028-0017-9
AK
Allied

Total Tax
 Total Ticket

Driver's Signature



EARTHMOVERS RDF
 26489 COUNTY RD 28
 ELKHART, IN, 46517
 Ph: 574-875-5232

Original
 Ticket# 930855
 930855

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier stysthbend CITY OF SOUTH BEND
 Ticket Date 10/21/2010 Vehicle# 3 Volume 30.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000202
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 PD
 Profile 603041in (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	59850 1
In 10/21/2010 15:24:24	Scale	lctop		Tons	37160 1
Out 10/21/2010 15:24:24		lctop.		Net	32500 1
				Tons	16.2

Comments

Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 Cont Soil RCB-Tonn	100	16.25	Tonn				ST JOSEPH-

I#000628-007

Worfolk

Total Tax
 Total Ticket

Driver's Signature



EARTHMOVERS RDF
 26488 COUNTY RD 26
 ELKHART, IN, 46517
 Ph: 574-875-5222

Original
 Ticket# 930859

930859

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier St Josephband CITY OF SOUTH BEND
 Ticket Date 10/21/2010 Vehicle# 716 Volume 20.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen ERM ID
 Manifest 6030411n
 Destination
 PG
 Profile 6030411n (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	
In 10/21/2010 15:40:42	Scale	cellian		Tare	30950 15
Out 10/21/2010 15:10:42		cellian.		Net	20500 15
				Tons	14.29

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCS-Tons 100		14.29	Tons				ST JOSEPH-

I # 0000203-0017-9

Total Tax
 Total Ticket

Driver's Signature

Share

Mark



EARTHMOVERS PDF
 26488 COUNTY RD 26
 ELKHART, IN, 46517
 Ph: 574-875-5232

Original
 Ticket# 931237

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier cityofsbend CITY OF SOUTH BEND
 Ticket Date 10/26/2010 Vehicle# 718 Volume 20.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 PO
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	62100 lb
In	10/26/2010 08:45:25	Scale	operator		Tare	28950 lb
Out	10/26/2010 08:45:25		operator		Net	34140 lb
					Tons	17.07

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RC0-Tons	100	17.07	Tons				ST JOSEPH-

Inw #0006028-0017-9

Noted/k

Total Tax
 Total Ticket

Driver's Signature



EARTHMOVERS RDF
 26789 COUNTY RD 26
 ELKHART, IN, 46517
 Ph: 574-875-5232

Original
 Ticket# 931254

Customer Name JOHN BOETTNER SEWER JOHN BOE Carrier cityofsbend CITY OF SOUTH BEND
 Ticket Date 10/26/2010 Vehicle# 716 Volume 20.0
 Payment Type Credit Account Container —
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 PO
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	65810 lb
In 10/26/2010 09:35:25	Scale	William		Tare	30850 lb
Out 10/26/2010 09:35:25		William		Net	34980 lb
				Tons	17.49

Comments:

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCB-Tonc	100	17.49	Tonc				ST JOSEPH

Invt# 0006028-0017-1

Aprfolk

Total Tax
 Total Ticket

Driver's Signature

Shane



EARTHMOVERS RDF
 26488 COUNTY RD 26
 ELKHART, IN, 46517
 Ph: 574-875-5232

Original
 Ticket# 931266

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier City of South Bend CITY OF SOUTH BEND
 Ticket Date 10/26/2010 Vehicle# 718 Volume 20.0
 Payment Type Credit Account Container —
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000003
 State Waste Code Gen EPA ID
 Manifest 603041IN
 Destination
 PG
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	
In 10/26/2010 10:17:48	Scale	calihan		Tare	63350 lb
Out 10/26/2010 10:17:48		calihan		Net	28950 lb
				Tons	31400 lb
					17.20

Comments:

Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 Cont Soil PCB-Tons	100	17.20	Tons	1017-9			ST JOSEPH-

The 000003 - 0017-9

North

Total Tax
 Total Ticket

Driver's Signature



WASTE MANAGEMENT
 EARLHOMERS PDF
 26499 COUNTY RD 26
 ELMHART, IN 46517
 PH: 574-875-6232

0-151731
 Ticket# 931273

NOV-11-2010 09:23AM

From: 5748757801

Customer Name JOHN BOETTCHER SEWER JOHN BOE
 City/Thorough CITY OF SOUTH BEND
 Volume 29.0

Ticket Date 10/26/2010
 Vehicle# 716
 Payment Type Credit Account
 Container
 Manual Ticket#
 Driver
 Hauling Ticket#
 Check#
 Billing # 0000293
 Gen Srv ID

State Waste Code
 Manifest
 Destination
 PG

Profile
 Generator 6020411N (METROLEUM IMPACTED BOLL)
 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

In 10/26/2010 10:49:55 Scale
 Out 10/26/2010 10:49:55 Scale
 Operator
 Inbound
 Gross
 Tons
 Net
 Tons

Comments

Product	LDX	Qty	UDM	Rate	Tax	Amount	Origin
1 Cont Soil RCE-Tons 100		19.02	Tons				ST JOSEPH-

Total Tax
 Total Ticket

Driver's Signature *Shane*

4030004



EARTHMOVERS RDF.
 26488 COUNTY RD 25
 ELYMORT, IN, 46517
 Ph: 574-875-5232

Original
 Ticket# 931409

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier stysthbend CITY OF SOUTH BEND
 Ticket Date 10/27/2010 Vehicle# 715 Volume 20.0
 Payment Type Credit Amount Contain#
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 PG
 Profile 603041IN (PETROLEUM-IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	In	Gross
In 10/27/2010 10:21:09	Scale	Ystop		56200 lb
Out 10/27/2010 10:21:09	Scale	Ystop		30540 lb
				Net 25660 lb
				Tons 12.83

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCS-Tons	100	12.83	Tons				ST JOSEPH--

Inw# D006028-0017-A

Norfolk

Total Tax
 Total Ticket

river's Signature *Shane*



EARTHMOVERS RDF
 25488 COUNTY RD 25,
 ELMHART, IN, 46517
 Ph: 574-875-5232

Original
 Ticket# 931412

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier City of South Bend
 Ticket Date 10/27/2010 Vehicle# 757 Volume 30.0
 Payment Type Credit Amount Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 503041in
 Destination
 PG
 Profile 503041IN (PETROLEUM IMPREGNATED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Generator	Inbound	Gross	75040 lb
In 10/27/2010 10:28:36	Scale	1000		Tare	35440 lb
Out 10/27/2010 10:28:36		1000		Net	39500 lb
				Tenc	19.80

Comments

Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 Cent Soil RC6-Tenc	100	19.80	Tenc				ST JOSEPH--

J#000628-0017-9
Norfolk

Total Tax
 Total Ticket

Driver's Signature



EARTHMOVERS RDF
 26498 COUNTY RD 26
 ELKHART, IN, 46517
 Ph: 574-876-5232

Original
 Ticket# 931430

Customer Name JOHN BOE CARRIER City of South Bend
 Ticket# 1024 Vehicle# 715 Value# 20.0
 Invoice# 1024 Container
 Material Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID

Material 2411N (PETROLEUM IMPREGATED SOIL)
 City of South Bend

In	Scale	Operator	Inbound	Gross	
10/20/80 11:41:44	Scale	William		Tare	30540 15
09/20/80 11:41:44		William		Net	35950 15
				Tare	17.98

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RC6-Tenc	100	17.98	Tenc				ST JOE/ENH-

I# 000608-0017A

Norfolk

Total Tax
 Total Ticket

Signature *Share*



EARTHMOVERS RDF
 26488 COUNTY RD 28
 ELKHART, IN, 46517
 Ph: 574-875-8232

Original
 Ticket# 931454
 931454

Customer Name JOHN BOETTCHER SENIOR JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
 Ticket Date 10/27/2010 Vehicle# 715 Value 20.0
 Payment Type Credit Account Container —
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 Profile 603041IN (PETROLEUM IMPORTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Green	15
In	10/27/2010 13:13:09	Scale	Scale		Tare	30640 15
Out	10/27/2010 13:13:09		Inter		Net	31320 15
					Tare	15.66

Comments

Product	LD%	Dty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RC6-Tonc	100	15.66	Tonc				ST JOSEPH-

Inter 000018-0017-9

Norfolk

Total Tax
 Total Ticket

Driver's Signature *Shae*



EARTHMOVERS RDF
 26488 COUNTY RD 2E
 ELWORT, IN, 46517
 Ph: 574-875-5232

Original
 Ticket# 931470
 931470

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier citysbend CITY OF SOUTH BEND
 Ticket Date 10/27/2010 Vehicle# 715 Volume 20.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 PG
 Profile 603041IN (PETROLEUM INFECTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Generator	Inbound	Gross	
In	10/27/2010 13:58:18	Scale	141-CITY OF SOUTH BEND		37980 lb	
Out	10/27/2010 13:58:18	Scale	141-CITY OF SOUTH BEND		30860 lb	
					Net	37120 lb
					Tax	18.56

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Cent Soil PCB-Tonc	100	Tonc	18.56			ST JOSEPH-

I# 0006028-0017-9
Norfolk

Total Tax
 Total Ticket

river's Signature



~~NORTHMYERS RD~~
 28488 COUNTY RD 25
 ELKHART, IN, 46517
 Ph: 574-875-2222

Original
 Ticket# 931481

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier atyothbend CITY OF SOUTH BEND
 Ticket Date 10/27/2010 Vehicle# 715 Value# 20.0
 Payment Type Credit Account Container —
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 PO
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	74000 lb
In 10/27/2010 14:24:47	Scale	Tstop		Tare	30540 lb
Out 10/27/2010 14:24:47		Istop		Net	43440 lb
				Tons	21.72

* Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cent Soil RC9-Tons	100	21.72	Tons				ST JOSEPH-

I# 006018-0017-9

Norfolk

Total Tax
 Total Ticket

Driver's Signature

Shane



EARTHMOVERS RDF
 26488 COUNTY RD 26
 ELKHART, IN, 46517
 Ph: 574-875-5232

Original
 Ticket# 931497

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier citysbend CITY OF SOUTH BEND
 Ticket Date 10/27/2010 Vehicle# 715 Volume 20.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen ETV ID
 Manifest 503041in
 Destination
 Description 503041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	55650 lb
In 10/27/2010 15:17:45	Scale	Isop		Tare	30950 lb
Out 10/27/2010 15:17:45		Isop		Net	35000 lb
				Tons	17.90

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cent Soil RCG-Tons	100	17.90	Tons				ST JOSEPH-

I # 005628-0017-9
Norfolk

Total Tax
 Total Ticket

river's Signature *[Signature]*



EARTHMOVERS PDF
 25408 COUNTY RD 26
 ELKHART, IN, 46517
 Ph: 574-875-5232

Original
 Ticket# 921502

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctyothbend CITY OF SOUTH BEND
 Ticket Date 10/27/2010 Vehicle# 715 Volume 29.0
 Payment Type Credit Account Container ✓
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 PO
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Generator	Inbound	Gross	
In	10/27/2010 15:03:19	Scale	cellion		Tons	30640 15
Out	10/27/2010 15:03:19		cellion		Net	29620 15
					Tons	14.31

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
Cont Soil RCB-Tons	100	14.31	Tons				ST JOSEPH-

I#0006028-0017-9

Norfolk

Total Tax
 Total Ticket

Driver's Signature *Shane*



EARTHMOVERS RDF
 26498 COUNTY RD 2E
 ELKHART, IN, 46517
 Ph: 574-875-5232

Original
 Ticket# 931515

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier City of South Bend
 Ticket Date 10/28/2010 Vehicle# 715 Volume 20.0
 Payment Type Credit Account Container
 Annual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000233
 State Waste Code Gen Exp ID
 Manifest 603041in
 Destination
 TO
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND, CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	67020 lb
In 10/28/2010 07:52:27	Scale	istop		Tare	30850 lb
Out 10/28/2010 07:52:27		istop		Net	36160 lb
				Tare	18.00

Comments:

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCB-Tons	100	18.00	Tons				ST JOSEPH-

I # 0006028-0017-9

Total Tax
 Total Ticket

Driver's Signature

Norfolk



~~EARTHMOVERS RDF~~
 26788 COUNTY RD 26
 ELKHART, IN, 46517
 Ph: 574-875-5832

Original
 Ticket# 931532

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier citythband CITY OF SOUTH BEND
 Ticket Date 10/28/2010 Vehicle# 757 Value 30.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gro EPA ID
 Manifest 603041in
 Destination
 PO
 Profile 603041IN (PETROLEUM IMPREGATED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Generator	Inbound	Gross	51680 lb
In	10/28/2010 08:42:33	Scale	141		Tare	36440 lb
Out	10/28/2010 08:42:33		141		Net	28240 lb
					Tare	14.12

Comment:

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil RC6-Tenc	100	Tenc	14.12			ST JOSEPH-

IT# 006028-0017-9
Norfolk

Total Tax
 Total Ticket

river's Signature

[Handwritten Signature]



EARTHMOVERS RDF
 26498 COUNTY RD 26
 ELKHART, IN, 46517
 Ph: 574-875-5232

Original
 Ticket# 931543

Customer Name JOHN BOETTCHER BEWER JOHN BOE Carrier citysbend CITY OF SOUTH BEND
 Ticket Date 10/28/2010 Vehicle# 715 Volume 20.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 PG
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Crack	52920 lb
In 10/28/2010 09:18:35	Scale	Ittop		Fare	30000 lb
Out 10/28/2010 09:18:35		Ittop		Net	31950 lb
				Tons	15.98

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCB-Tons	100	15.98	Tons				ST JOSEPH-

I #0056028-017-8

river's Signature

Total Tax
 Total Ticket

Norfolk



EARTHMOVERS RDF
 26488 COUNTY RD 26
 ELKHART, IN, 46517
 Ph: 574-875-8232

Original
 Ticket# 931550

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier stysthbend CITY OF SOUTH BEND
 Ticket Date 10/29/2010 Vehicle# 757 Value 20.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000202
 State Waste Code Gen. EPA ID
 Manifest 5030411n
 Destination
 Profile 5030411N (PETROLEUM IMPREGATED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Date	Time	Scale	Operator	Inbound	Grcc	Value
In 10/29/2010	09:59:11	Scale	Intop		Tons	36440 15
Out 10/29/2010	09:59:11		Intop		Net	31180 15
					Tons	15.59

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RC6-Tons	100	15.59	Tons				ST JOSEPH-

Norfolk
J# 0006025
0017-9

Total Tax
 Total Ticket

river's Signature



EARTHMOVERS RDF
 26488 COUNTY RD 26
 ELKHART, IN, 46517
 Ph: 574-875-5232

Original
 Ticket# 931555

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier citysbend CITY OF SOUTH BEND
 Ticket Date 10/28/2010 Vehicle# 716 Volume 20.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 503041in
 Destination
 PO
 Profile 503041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	70500 lb
In 10/28/2010 10:28:03	Scale	1step		Tare	30850 lb
Out 10/28/2010 10:29:03		1step		Net	39700 lb
				Tons	19.85

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCS-Tons	100	19.85	Tons				ST JOSEPH-

I # 0006028-0017-9

Total Tax
 Total Ticket

Driver's Signature

Porfolk



EARTHMOVERS RDF
 26188 COUNTY RD 26
 ELKHART, IN, 46517
 Ph: 574-875-5222

Original
 Ticket# 931566

Customer Name JOHN BOETTCHER BEWER JOHN BOE Carrier St Joseph City of South Bend
 Ticket Date 10/29/2010 Vehicle# 757 Volume 30.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000003
 State Waste Code Gen EPA ID
 Manifest 602041in
 Destination
 PO
 Profile 602041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND ST JOSEPH OF SOUTH BEND

	Time	Scale	Generator	Inbound	Gross	78340 15
In	10/29/2010 11:20:14	Scale	Selfill		Tare	35440 15
Out	10/29/2010 11:20:14		Selfill		Net	41900 15
					Tons	20.95

Comments:

Product	LD%	Dty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RC6-Tons	100	20.95	Tons				ST JOSEPH-

*T# 2006028-0017-9
 Norfolk*

Total Tax
 Total Ticket

Operator's Signature *Jeff*



EARTHMOVERS RDF
 26488 COUNTY RD 25
 ELKHART, IN, 46517
 Ph: 574-875-5222

Original
 Ticket# 931573

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier citysdbend CITY OF SOUTH BEND
 Ticket Date 10/28/2010 Vehicle# 715 Volume 20.0
 Payment Type Credit Account Container _____
 Manual Ticket# Driver _____
 Hauling Ticket# Check# _____
 Route Billing # 0000202
 State Waste Code Gen EPA ID _____
 Manifest 6030411n
 Destination
 PG
 Profile 5030411N (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	
In	10/28/2010 11:40:45	Scale	collian		30850	lb
Out	10/28/2010 11:40:45		collian		29700	lb
						Tons 14.85

Comments:

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil PCB-Tonc	100	14.85	Tonc				ST JOSEPH-

T#0006028-001-9

Total Tax
 Total Ticket

river's Signature



EARTHMOVERS ROF
 26488 COUNTY RD 26
 ELKHART, IN, 46517
 Ph: 574-875-5232

Original
 Ticket# 931500

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier stysthbend CITY OF SOUTH BEND
 Ticket Date 10/28/2010 Vehicle# 757 Value# 30.0
 Payment Type Credit Account Container
 Annual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0900293
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 TO
 Profile 603041IN (PETROLEUM IMPREGATED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	
In	10/28/2010 12:58:27	Scale	Isaac		74320	lb
Out	10/28/2010 12:58:27	Scale	Isaac		35440	lb
					Net	37880 lb
					Tons	18.94

Comments

Product	LDW	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RDB-Tons	100	18.94	Tons				ST JOSEPH-

IF 0006028-00179

Total Tax
 Total Ticket

Driver's Signature

Lot
~~John Boettcher~~
 Norfolk



EARTHMOVERS R/W
 25488 COUNTY RD 26
 ELKHART, IN, 46517
 Ph: 574-875-5232

Original
 Ticket# 931510

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier cityofsbend CITY OF SOUTH BEND
 Ticket Date 10/28/2010 Vehicle# 715 Volume 20.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 00000003
 State Waste Code Gen EPA ID
 Manifest 503041in
 Destination
 PD
 Profile 503041in (PETROLEUM IMPREGATED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	60520 lb
In	10/28/2010 13:31:13	Scale	10tap		Tare	30860 lb
Out	10/28/2010 13:31:13	Scale	10tap		Net	29660 lb
					Tare	14.83

Comments:

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Ball RCB-Tons	100	14.83	Tons				ST JOSEPH-

J#0006028-0017-9

Driver's Signature

Total Tax
 Total Ticket

Norfolk



EARTHMOVERS RRF
 25488 COUNTY RD 26
 ELKHART, IN, 46517
 Ph: 574-875-5222

Original
 Ticket# 932387

Customer Name JOHN BOETTCHER, SENIOR JOHN BOE Carrier styothband CITY OF SOUTH BEND
 Ticket Date 11/04/2010 Vehicle# 716 Volume 20.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 503041in
 Destination
 PG
 Profile 503041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Abound	Gross
In 11/04/2010 11:12:22	Scale		30860 lb
Out 11/04/2010 11:12:22			35120 lb
			18.06 Tons

Comments

Product	LDZ	Qty	UOM	Rate	Tax	Amount	Origin
Cont Soil RC6-Tons	100	18.06	Tons				ST JOSEPH-

Total Tax
 Total Ticket

Driver's Signature *Share*

Norfolk



EARTHMOVERS RDF
 26188 COUNTY RD 26
 ELKHART, IN, 46517
 Ph: 574-875-5222

Original
 Ticket# 932390

Customer Name JOHN BOETTCHER GENER JOHN BOE Carrier citythbnd CITY OF SOUTH BEND
 Ticket Date 11/04/2010 Vehicle# 718 Volume 20.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 PG
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND

	Time	Scale	Generator	Inbound	Gross	
In	11/04/2010 11:17:23	Scale			Tons	48700 lb
Out	11/04/2010 11:17:23				Tons	28950 lb
					Tons	19740 lb
					Tons	9.87

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
Cont Soil RDG-Tons	100	9.87	Tons				ST JOSEPH-

Driver's Signature

Total Tax
 Total Ticket

Norfolk



EARTHMOVERS RRF
 26488 COUNTY RD 26
 ELKHART, IN, 46517
 Ph: 574-875-5232

Original
 Ticket# 932422

Customer Name JOHN BOETTNER SEWER JOHN BOE Carrier citysbend CITY OF SOUTH BEND
 Ticket Date 11/04/2010 Vehicle# 757 Volume 30.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000202
 State Waste Code Gen ERM ID
 Manifest 6030411n
 Destination
 PO
 Profile 6030411N (PETROLEUM INTERFERE SILL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	80050 lb
In	11/04/2010 12:43:17	Scale	Islop		Tare	36440 lb
Out	11/04/2010 12:43:17		Islop		Net	43620 lb
					Tare	21.91

Comments

Product	Qty	Unit	Rate	Tax	Amount	Origin
1 Cent Soil RCG-Tons 100	21.91	Tons				ST JOSEPH-

NOR FOLK

Total Tax
 Total Ticket

Driver's Signature

Joe



EARTHMOVERS RDF
 26489 COUNTY RD 26
 ELKHART, IN, 46517
 Ph: 574-875-5232

Original
 Ticket# 932440

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier City of South Bend
 Ticket Date 11/04/2010 Vehicle# 718 Value 20.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 5020411n
 Destination
 DO
 Profile 5020411N (PETROLEUM IMPURE SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Generator	Inbound	Gross	
In 11/04/2010 13:45:39	Scale			58120	lb
Out 11/04/2010 13:45:39				28960	lb
				39160	lb
					Tons 19.58

Comments

Product	LDX	Qty	UDM	Rate	Tax	Amount	Origin
1 Cent Soil RC0-Tons	100	19.58	Tons				ST JOSEPH-

Driver's Signature

Total Tax
 Total Ticket

Norfolk



EARTHMOVERS RDF
 26498 COUNTY RD 26
 ELKHART, IN, 46517
 Ph: 574-875-5232

Original
 Ticket# 932467

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier City of South Bend
 Ticket Date 11/04/2010 Vehicle# 715 Volume 20.9
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000293
 State Waste Code Gen EPA ID
 Manifest 6030411N
 Destination
 Profile 6030411N (PETROLEUM IMPREGNATED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	
In 11/04/2010 15:08:17	Scale	Istop		Tare	67300 lb
Out 11/04/2010 15:08:17	Scale	Istop		Net	30860 lb
				Tare	36440 lb
				Tare	18.22

Comments REPLACEMENT TICKET FOR TICKET # 932466

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCB-Tons 100		18.22	Tons				ST JOSEPH-

Driver's Signature

Shane

Total Tax
 Total Ticket

Norfolk



EARTHMOVERS RDF
 26488 COUNTY RD 26,
 ELKHART, IN, 46517
 Ph: 574-875-5232

Original
 Ticket# 932479

Customer Name JOHN BOETTNER SEWER JOHN BOE Carrier stysthbend CITY OF SOUTH BEND
 Ticket Date 11/04/2010 Vehicle# 757 Volume 30.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 6030411n
 Destination
 ID
 Profile 6030411N (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	62020 lb
In	11/04/2010 15:47:07	Scale	collian		Tare	35440 lb
Out	11/04/2010 15:47:07		collian		Net	25580 lb
					Tare	12.79

Comments

Product	LD%	Qty	UCM	Rate	Tax	Amount	Origin
1 Cont Soil RC6-Tenc	100	12.79	Tenc				ST JOSEPH-

NORFOLK

Total Tax
 Total Ticket

Driver's Signature

JOE



EARTHMOVERS OF
 26488 COUNTY RD 26,
 ELKHART, IN, 46517
 Ph: 574-875-5232

Original
 Ticket# 932501

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier citysbend CITY OF SOUTH BEND
 Ticket Date 11/05/2010 Vehicle# 716 Volume 20.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000283
 State Waste Code Gen EPA ID
 Manifest 503041in
 Destination
 PO
 Profile 503041IN (PETROLEUM LIMP/USED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Description	Inbound	Gross	15
In 11/05/2010 07:14:56	Scale	141		Tare	30850 15
Out 11/05/2010 07:14:56		1stop		Net	34850 15
				Tons	17.43

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RC9-Tons	100	17.43	Tons				ST JOSEPH-

Adolfk

Total Tax
 Total Ticket

Driver's Signature *Shane*



EARTHMOVERS RDF
 26488 COUNTY RD 26
 ELKHART, IN, 46517
 Ph: 574-875-5232

Original
 Ticket# 932582

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier City of South Bend
 Ticket Date 11/05/2010 Vehicle# 718 Volume 20.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000002
 State Waste Code Sch EPA ID
 Manifest 603041in
 Destination
 PO
 Profile 603041IN (PETROLEUM IMPROVED SOIL)
 Generator 141-CITY OF SOUTH BEND

Time	Scale	Inbound	Gross
In 11/05/2010 07:17:30	Scale		62600 15
Out 11/05/2010 07:17:30			Tare 38950 15
			Net 33640 15
			Tare 16.92

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCG-Tons 100		16.92	Tons				ST JOSEPH-

Perfolk

Total Tax
 Total Ticket

Driver's Signature



EARTHMOVERS ROF
 25488 COUNTY RD 26
 ELKHART, IN, 46517
 Ph: 574-975-5232

Original
 Ticket# 932514

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier cityofsbend CITY OF SOUTH BEND
 Ticket Date 11/05/2010 Vehicle# 757 Volume 20.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 503041in
 Destination
 PO
 Profile 503041IN (PETROLEUM IMPROVED SOIL)
 Generator 141-CITY OF SOUTH BEND, IN OF SOUTH BEND

Date	Time	Scale	Operator	Inbound	Gross	lb
11/05/2010	07:53:34	Scale	1313p		74500	1b
11/05/2010	07:53:34	Scale	1313p		38440	1b
					36060	1b
					19.03	Tons

Comments

Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 Cent Soil RCG-Tonc	100	19.03	Tonc				ST JOSEPH-

AD-Folk

Total Tax
 Total Ticket

Driver's Signature



EARTHMOVERS RDF
 26488 COUNTY RD 26
 ELKHART, IN, 46517
 Ph: 574-875-5222

Original
 Ticket# 932527

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier stysthband CITY OF SOUTH BEND
 Ticket Date 11/05/2010 Vehicle# 715 Value 20.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 ID
 Profile 603041IM (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND DEPT OF PUBLIC WORKS

Time	Scale	Operator	Inbound	Gross	Weight
In 11/05/2010 08:32:27	Scale			Tare	53750 lb
Out 11/05/2010 08:32:27		Isop		Net	30850 lb
				Tare	22920 lb
				Tare	11.46

Comments:

Product	LDZ	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RC6-Tons	100	11.46	Tons				ST JOSEPH

Portfolk

Total Tax
 Total Ticket

Driver's Signature *Shore*



EARTHMOVERS RDF
 26488 COUNTY RD 26
 ELKHART, IN, 46517
 Ph: 574-675-8232

Original
 Ticket# 932528

Customer Name JOHN BOETTCHER, SEWER JOHN BOE Carrier City of South Bend
 Ticket Date 11/05/2010 Vehicles 718 Value 20.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000003
 State Waste Code San EPA ID
 Manifest 603041in
 Destination
 DO
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND, CITY OF SOUTH BEND

Time	Scale	Weight	Arboud	Gross	Tare	Net	Tons
In 11/05/2010 08:34:45	Scale	1200		50000	15	28960	15
Out 11/05/2010 08:34:45	Scale	1300				21100	15
							10.55

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCG-Tons	100	10.55	Tons				ST JOSEPH-

Worfolk

Total Tax
 Total Ticket

Driver's Signature



EARTHMOVERS RDF
 26482 COUNTY RD 26
 ELKHART, IN, 46517
 Ph: 574-875-5232

Original
 Ticket# 932554

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier citysbend CITY OF SOUTH BEND
 Ticket Date 11/05/2010 Vehicle# 757 Volume 30.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000202
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 PO
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Gross	54740 lb
11/05/2010 10:23:39	Scale	Isop		Tare	36440 lb
11/05/2010 10:23:39		Isop		Net	18300 lb
				Tons	9.15

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Sent Soil RC6-Tons	100	Tons	9.15			ST JOSEPH-

Not for

Total Tax
 Total Ticket

Driver's Signature

[Handwritten Signature]



EARTHMOVING ROP
 26408 COUNTY RD 26
 ELKHART, IN, 46517
 Ph: 574-875-3232

Original
 Ticket# 933555

Customer Name JOHN BOETTCHER GENER JOHN BOE Carrier ctystsbend CITY OF SOUTH BEND
 Ticket Date 11/15/2010 Vehicle# 718 Volume 20.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 Gen EPA ID
 State Waste Code
 Manifest 603041in
 Destination
 PD
 Profile 603041IN (PETROLEUM IMPACTED SOILS)
 Generator 141-CITY OF SOUTH BEND SOUTH BEND

In 11/15/2010 09:07:37
 Out 11/15/2010 09:07:37

Inbound	Gross	60520
	Tare	28960
	Net	31560
	Tons	11

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCB-Tons	100	15.78	Tons				ST JOSE

Abnfolk

Driver's Signature

Total Tax
 Total Ticket



EARTHMOVERS, INC.
 26488 COUNTY RD 26
 ELKHART, IN, 46517
 Ph: 574-879-5232

Original
 Ticket# 933579

Customer Name JOHN BOETTCHER GENER. JOHN BOE Carrier ctysthband CITY OF SOUTH BEND
 Ticket Date 11/15/2010 Vehicle# 718 Volume 20.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 PO
 Profile 603041in (BENJOLEM HIGSTER SOIL)
 Generator 141-CITY OF SOUTH BEND IN SOUTH BEND

	Time	Operator	Inbound	Gross	66280
In	11/15/2010 10:38:47			Tare	28960
Out	11/15/2010 10:38:47			Net	37320
				Tons	18

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RC6-Tons	100	18.56	Tons				ST JOSEF

North

Total Tax
 Total Ticket

Driver's Signature



EARTHMOVERS RDF
 26408 COUNTY RD 26
 ELKHART, IN, 46517
 Ph: 574-875-5232

Original
 Ticket# 935379

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND
 Ticket Date 12/02/2010 Vehicle# 718 Volume 20.0
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0000203
 State Waste Code Gen EPA ID
 Manifest 603041in
 Destination
 PD
 Profile 603041IN (PETROLEUM IMPACTED SOIL)
 Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	50620 lb
In	12/02/2010 13:45:12	Scale	Istop		Tare	28960 lb
Out	12/02/2010 13:45:12		Istop		Net	21660 lb
					Tons	10.83

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCG-Tons	100	10.83	Tons				ST JOSEPH-

[Handwritten Signature]
 Norfolk

Total Tax
 Total Ticket

Driver's Signature