

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 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 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 Indianalicensed 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.

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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.

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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

FORMER NORFOLK SOUTHERN PROPERTY SOUTH BEND, INDIANA

TABLE 1

SOIL TCLP ANALYSES - EXCAVATION A (mg/L)

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

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

FORMER NORFOLK SOUTHERN PROPERTY SOUTH BEND, INDIANA

TABLE 2

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario		BS-1A	BS-2A	BS-3A
Sample Date:		Reporting Units	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 -		BS-4A	BS-5A	BS-6A
Sample Date:	Construction Worker	Reporting	10/7/2010	10/7/2010	10/7/2010
Laboratory Identification:	Exposure Scenario	Units	SBI059:BS-4A:S020020	SBI059:BS-5A:S020020	SBI059:BS-6A:S020020
Sample Depth:	Exposure Scenario		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		BS-7A	BS-8A	BS-9A
Sample Date:		Construction Worker Reporting Units	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

FORMER NORFOLK SOUTHERN PROPERTY SOUTH BEND, INDIANA

TABLE 2

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario		BS-9A	BS-10A	BS-11A
Sample Date:		ruction Worker Reporting Units	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 -		BS-12A	BS-13A	SW-1A
Sample Date:		Construction Worker Reporting	10/20/2010	10/20/2010	10/7/2010
Laboratory Identification:	Exposure Scenario	Units	SBI059:BS-12A:S020020	SBI059:BS-13A:S020020	SBI059:SW-1A:S005020
Sample Depth:	Exposure Scenario		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		SW-2A	SW-3A	SW-4A
Sample Date:		I Reporting I	10/7/2010	10/7/2010	10/7/2010
Laboratory Identification:		Units	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

FORMER NORFOLK SOUTHERN PROPERTY SOUTH BEND, INDIANA

TABLE 2

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario		SW-5A	SW-6A	SW-7A
Sample Date:		I Reporting I	10/7/2010	10/7/2010	10/7/2010
Laboratory Identification:		Units	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 -		SW-8A	SW-9A	SW-10A
Sample Date:	Construction Worker Exposure Scenario	Reporting Units	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 -		SW-11A	SW-11A	SW-12A
Sample Date:	Construction Worker Exposure Scenario	onstruction Worker Reporting Units	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

FORMER NORFOLK SOUTHERN PROPERTY SOUTH BEND, INDIANA

TABLE 2

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario		SW-13A	SW-14A	SW-15A
Sample Date:		Reporting Units	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		SW-16A	SW-17A	SW-17A
Sample Date:		Reporting Units	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		SW-18A	SW-19A	SW-20A
Sample Date:		Reporting Units	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

FORMER NORFOLK SOUTHERN PROPERTY SOUTH BEND, INDIANA

TABLE 2

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario		SW-21A	SW-22A	SW-23A
Sample Date:		Reporting Units	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		SW-24A	SW-25A	SW-26A
Sample Date:		Reporting Units	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		SW-27A	SW-28A	SW-29A
Sample Date:		Reporting Units	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

FORMER NORFOLK SOUTHERN PROPERTY SOUTH BEND, INDIANA

TABLE 2

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario		SW-30A	SW-31A	SW-32A
Sample Date:		Reporting Units	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		SW-33A	SW-34A	SW-35A
Sample Date:		Reporting Units	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 -		SW-35A	SW-36A
Sample Date:	Construction Worker Exposure Scenario	Reporting	10/27/2010	10/27/2010
Laboratory Identification:		Units	SBI059:SW-35A:S005020A	SBI059:SW-36A:S005020
Sample Depth:			0.5 - 2	0.5 - 2
Metals (Method 6010)				
Lead	970	mg/kg	205	586

FORMER NORFOLK SOUTHERN PROPERTY SOUTH BEND, INDIANA

TABLE 3

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario		BS-1	BS-2	BS-3	
Sample Date:		I Reportir	Reporting	10/8/2010	10/8/2010	10/8/2010
Laboratory Identification		Units	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		BS-4	BS-5	BS-6B
Sample Date:		I Reporting I	10/8/2010	10/8/2010	10/8/2010
Laboratory Identification		Units	SBI059:BS-4:S020020	SBI059:BS-5:S020020	SBI059:BS-6B:S020020
Sample Depth:	Exposure Scenario		2 - 2	2 - 2	2 - 2
Metals (Method 6010)					
Arsenic	20	mg/kg	5.7	5	6.6

Sample Identification:	RISC Closure Level -		BS-7B	BS-8	BS-9B
Sample Date:	Construction Worker	Reporting	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 -		BS-10B	BS-11B	BS-12B
Sample Date:	Construction Worker	Reporting	10/15/2010	10/18/2010	10/18/2010
Laboratory Identification		Units	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

FORMER NORFOLK SOUTHERN PROPERTY SOUTH BEND, INDIANA

TABLE 3

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario		BS-13B	BS-14B	BS-15B
Sample Date:		Reporting	10/18/2010	10/18/2010	10/18/2010
Laboratory Identification		Units	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 -		BS-16B	BS-17B	BS-18B
Sample Date:	Construction Worker	Reporting	10/18/2010	10/21/2010	10/20/2010
Laboratory Identification		Units	SBI059:BS-16B:S020020	SBI059:BS-17B:S025025	SBI059:BS-18B:S020020
Sample Depth:	Exposure Scenario		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		BS-19B	SW-1B	SW-2B
Sample Date:		r Reporting Units	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		SW-3B	SW-4B	SW-5B
Sample Date:		Reporting	10/8/2010	10/8/2010	10/8/2010
Laboratory Identification		Units	SBI059:SW-3B:S005020	SBI059:SW-4B:S005020	SBI059:SW-5B:S005020
Sample Depth:	Exposure Scenario		0.5 - 2	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Arsenic	20	mg/kg	17.5	7.1	64.7

FORMER NORFOLK SOUTHERN PROPERTY SOUTH BEND, INDIANA

TABLE 3

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario		SW-6B	SW-7B	SW-8B
Sample Date:		Construction Worker Reporting Units	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 -		SW-8B	SW-9B	SW-10B
Sample Date:	Construction Worker	Construction Worker Reporting Units	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		SW-11B	SW-12B	SW-13B
Sample Date:		Reporting	10/8/2010	10/8/2010	10/8/2010
Laboratory Identification		Units	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		SW-14B	SW-15B	SW-16B
Sample Date:		Construction Worker Reporting Units	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

FORMER NORFOLK SOUTHERN PROPERTY SOUTH BEND, INDIANA

TABLE 3

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario		SW-17	SW-17	SW-18
Sample Date:		Reporting	10/8/2010	10/8/2010	10/8/2010
Laboratory Identification		Units	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		SW-19B	SW-20B	SW-21B
Sample Date:		Reporting	10/15/2010	10/15/2010	10/15/2010
Laboratory Identification		Units	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		SW-22B	SW-23B	SW-24B
Sample Date:		Reporting	10/18/2010	10/18/2010	10/18/2010
Laboratory Identification		Units	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		SW-25B	SW-26B	SW-27B
Sample Date:		Reporting Units	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

FORMER NORFOLK SOUTHERN PROPERTY SOUTH BEND, INDIANA

TABLE 3

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario		SW-27B	SW-28B	SW-29B
Sample Date:		Reporting Units	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		SW-30B	SW-30B	SW-31B
Sample Date:		Reporting	10/20/2010	10/21/2010	10/20/2010
Laboratory Identification		Units	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		SW-31B	SW-32B	SW-32B
Sample Date:		Reporting	10/21/2010	10/20/2010	10/21/2010
Laboratory Identification		Units	SBI059:SW-31B:S005025	SBI059:SW-32B:S005020	SBI059:SW-32B:S005025
Sample Depth:	Exposure Scenario		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		SW-33B	SW-34B	SW-35B
Sample Date:		I Reporting	10/21/2010	10/21/2010	10/21/2010
Laboratory Identification		Units	SBI059:SW-33B:S005025	SBI059:SW-34B:S005025	SBI059:SW-35B:S005025
Sample Depth:	Exposure Scenario		0.5 - 2.5	0.5 - 2.5	0.5 - 2.5
Metals (Method 6010)					
Arsenic	20	mg/kg	161	214	63.9

FORMER NORFOLK SOUTHERN PROPERTY SOUTH BEND, INDIANA

TABLE 3

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario		SW-36B	SW-37B	SW-38B
Sample Date:		Reporting	10/27/2010	10/27/2010	10/27/2010
Laboratory Identification		Units	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		SW-39B	SW-40B	SW-41B
Sample Date:		Reporting	10/27/2010	10/27/2010	10/27/2010
Laboratory Identification		Units	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		SW-42B	SW-43B	SW-44B
Sample Date:		Reporting	10/27/2010	10/27/2010	10/27/2010
Laboratory Identification		Units	SBI059:SW-42B:S005020	SBI059:SW-43B:S005020	SBI059:SW-44B:S005020
Sample Depth:	Exposure Scenario		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		SW-45B	SW-46B	SW-47B
Sample Date:		I Reporting I	10/27/2010	10/27/2010	10/27/2010
Laboratory Identification		Units	SBI059:SW-45B:S005020	SBI059:SW-46B:S005020	SBI059:SW-47B:S005020
Sample Depth:	Exposure Scenario		0.5 - 2	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Arsenic	20	mg/kg	27.4	14.7	17.1

FORMER NORFOLK SOUTHERN PROPERTY SOUTH BEND, INDIANA

TABLE 3

Sample Identification:	RISC Closure Level - Construction Worker Exposure Scenario		SW-48B	SW-49B	SW-50B
Sample Date:		Reporting	11/4/2010	11/4/2010	11/4/2010
Laboratory Identification		Units	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		SW-50B	SW-51B	SW-52B
Sample Date:		Reporting	11/4/2010	11/4/2010	11/4/2010
Laboratory Identification		Units	SBI059:SW-50B:S005020A	SBI059:SW-51B:S005020	SBI059:SW-52B:S005020
Sample Depth:	Exposure Scenario		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		SW-53B	SW-54B	SW-55B
Sample Date:		Reporting	11/4/2010	11/4/2010	11/4/2010
Laboratory Identification	• • • • • • • • • • • • • • • • • • • •	Units	SBI059:SW-53B:S005020	SBI059:SW-54B:S005020	SBI059:SW-55B:S005020
Sample Depth:	Exposure Scenario		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		SW-56B	SW-57B	SW-58B
Sample Date:		Reporting	11/4/2010	11/4/2010	11/4/2010
Laboratory Identification		Units	SBI059:SW-56B:S005020	SBI059:SW-57B:S005020	SBI059:SW-58B:S005020
Sample Depth:	Exposure Scenario		0.5 - 2	0.5 - 2	0.5 - 2
Metals (Method 6010)					
Arsenic	20	mg/kg	147	13.7	5.4

FORMER NORFOLK SOUTHERN PROPERTY SOUTH BEND, INDIANA

TABLE 3

Sample Identification:			SW-59B	SW-60B	SW-61B	
Sample Date:		Reporting Units	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:	Exposure Scenario		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 -		SW-62B	SW-63B	SW-63B	
Sample Date:	Construction Worker	Reporting	11/11/2010	11/11/2010	11/11/2010	
Laboratory Identification	dentification	Units	SBI059:SW-62B:S005020	SBI059:SW-63B:S005020	SBI059:SW-63B:S005020A	
Sample Depth:	Exposure Scenario		0.5 - 2	0.5 - 2	0.5 - 2	
Metals (Method 6010)						
Arsenic	20	mg/kg	5.4	4.4	3.4	

Sample Identification:	Construction Worker		SW-64B SW-65B		SW-66B	
Sample Date:		Reporting Units	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:	Exposure Scenario		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		SW-67B	SW-68B	SW-69B	
Sample Date:		Reporting Units	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:	Exposure Scenario		0.5 - 2	0.5 - 2	0.5 - 2	
Metals (Method 6010)						
Arsenic	20	mg/kg	225	47	3.4	

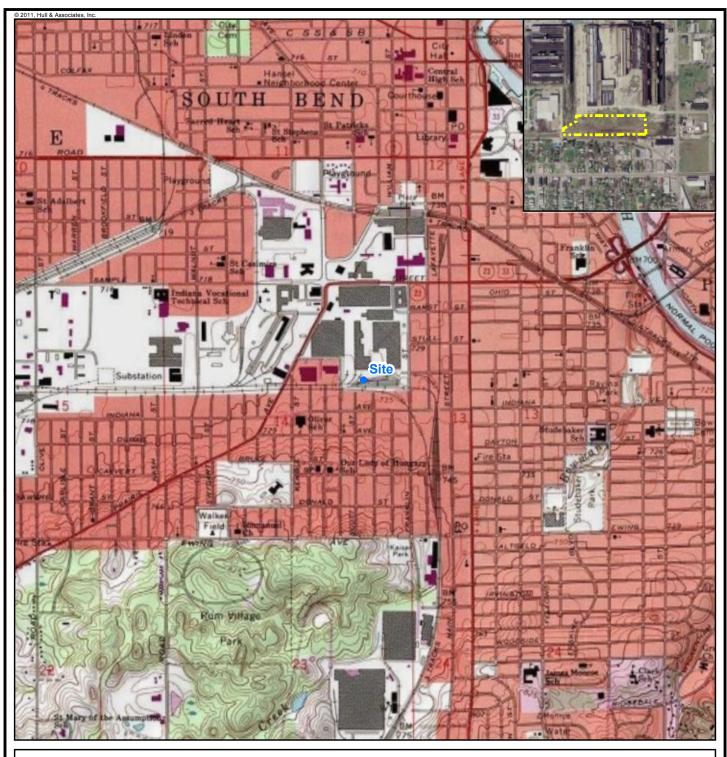
FORMER NORFOLK SOUTHERN PROPERTY SOUTH BEND, INDIANA

TABLE 3

Sample Identification:	DICC Classes I avail		SW-70B	SW-70B SW-71B	
Sample Date:	RISC Closure Level -	Reporting Units	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:	Exposure Scenario		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 -		SW-73B	SW-74B
Sample Date:	Construction Worker	Reporting Units	11/11/2010	11/22/2010
Laboratory Identification	Exposure Scenario		SBI059:SW-73B:S005020	SBI059:SW-74B:S005020
Sample Depth:	Exposure Scenario		0.5 - 2	0.5 - 2
Metals (Method 6010)				
Arsenic	20	mg/kg	6.3	5.8

FIGURES





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.



ciates, inc.

6435 Castleway West Dr. Suite 119 Indianapolis, IN 46250 Phone: (800) 241-7173 Fax: (614) 793.9070 www.hullinc.com Former Norfolk Southern Railroad Voluntary Remedial Soil Excavation

Site Location Map

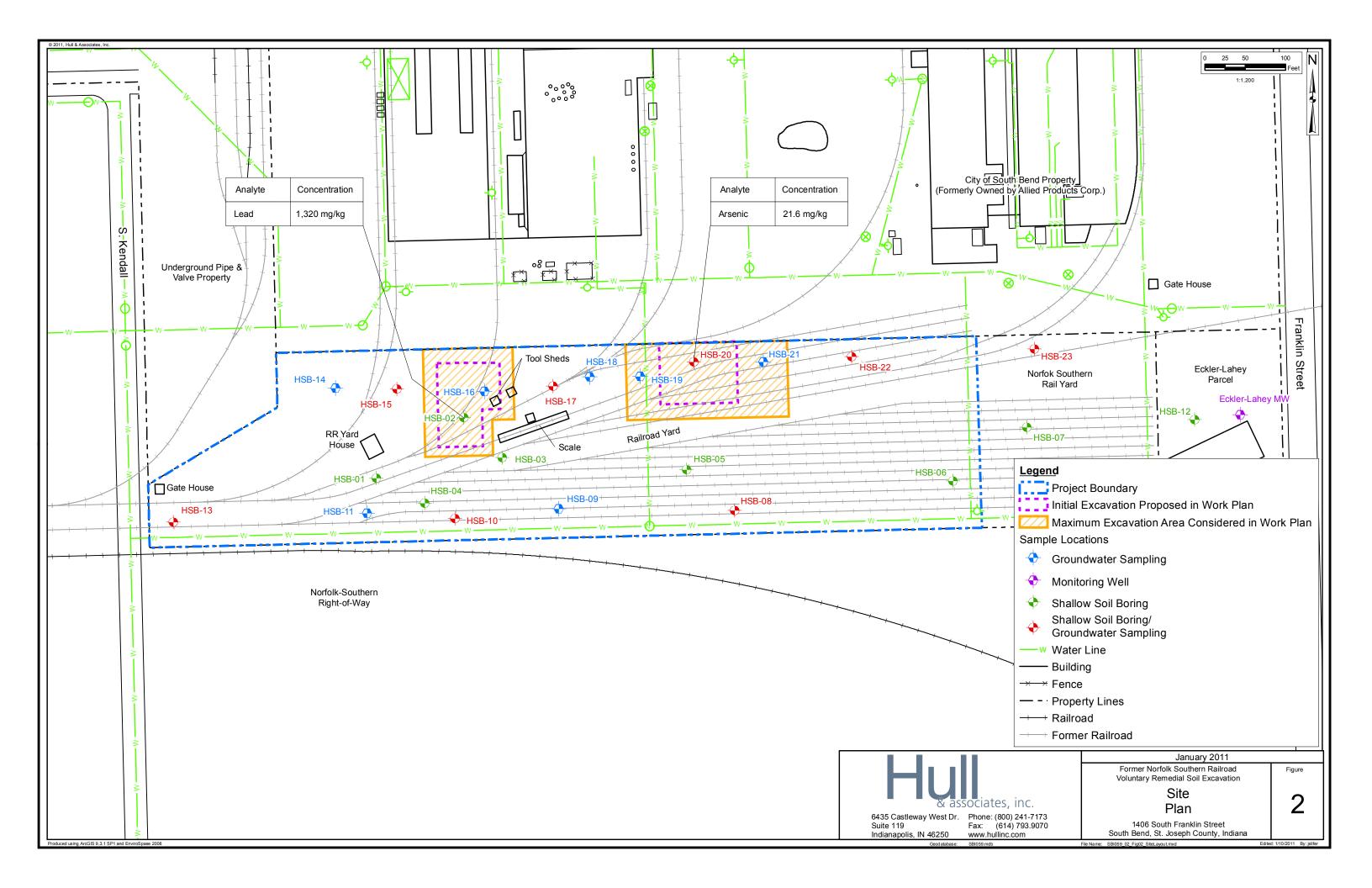
1406 South Franklin Street South Bend, St. Joseph County, Indiana Date:

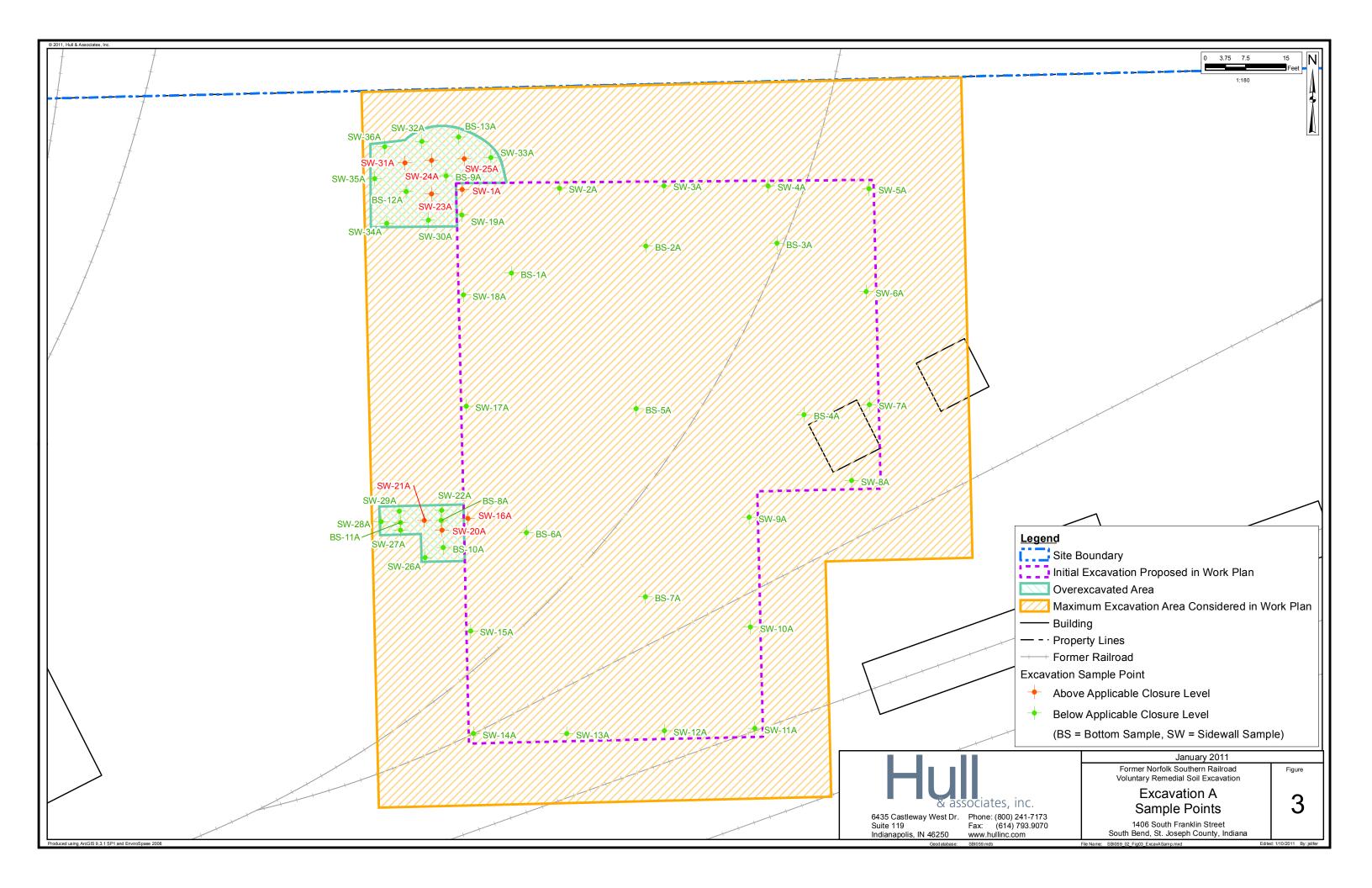
January 2011

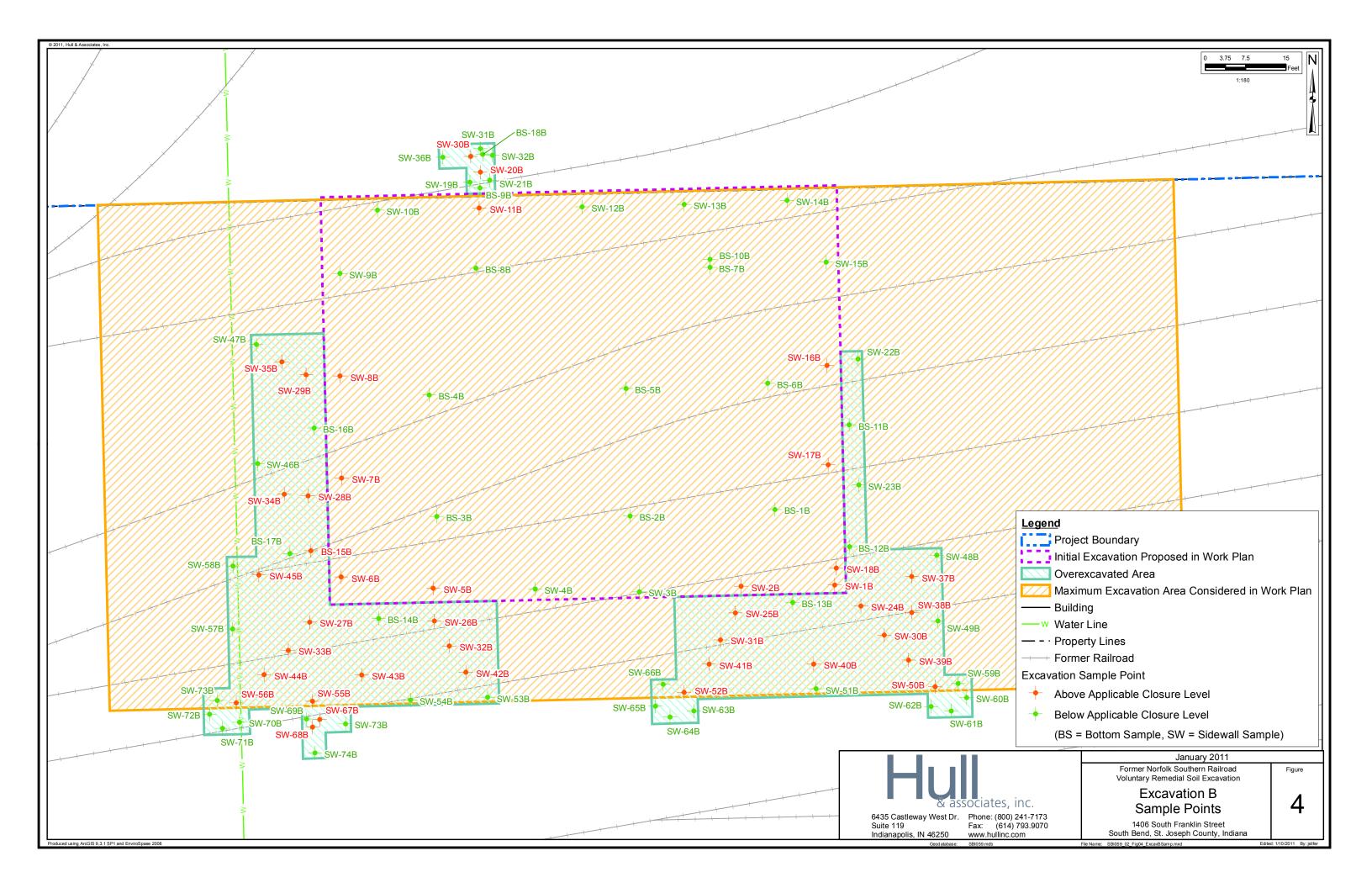
File Name: SBI059_02_Fig01_SiteLocMap.mxd Edited: 1/10/2011 By: jslifer Figure

Ν

Produced using ArcGIS 9.3.1 SP1







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







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







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







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

Date: 09/22/2010 04:58 PM







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

ND mg/L 09/21/10 00:00 09/22/10 02:42 7439-92-1 0.10 Lead

Date: 09/22/2010 04:58 PM

REPORT OF LABORATORY ANALYSIS This report shall not be reproduced, except in full,

Page 5 of 10









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

Date: 09/22/2010 04:58 PM

REPORT OF LABORATORY ANALYSIS

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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

Date: 09/22/2010 04:58 PM

REPORT OF LABORATORY ANALYSIS

Page 7 of 10







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

Date: 09/22/2010 04:58 PM

REPORT OF LABORATORY ANALYSIS

Page 8 of 10





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

Blank

Reporting

Parameter Units Result Limit Analyzed Qualifiers

Lead mg/L ND 0.10 09/22/10 02:24

LABORATORY CONTROL SAM	PLE & LCSD: 484244		4	184245						
		Spike	LCS	LCSD	LCS	LCSD	% Rec		Max	
Parameter	Units	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qualifiers
Lead	mg/L	10	9.4	9.4	94	94	80-120	.1	20	
MATRIX SPIKE SAMPLE:	484246									
		5041579	001	Spike	MS		MS	% R	ec	
Parameter	Units	Result	t	Conc.	Resu	t	% Rec	Lim	its	Qualifiers
Lead	mg/L		ND	10		9.4	94	4	50-150	
MATRIX SPIKE SAMPLE:	484247									
		5041501	001	Spike	MS		MS	% R	ec	
Parameter	Units	Result	t	Conc.	Resu	t	% Rec	Lim	its	Qualifiers
Lead	 mg/L		ND	10		9.1	9	 1	50-150	

Date: 09/22/2010 04:58 PM







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.

Date: 09/22/2010 04:58 PM

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.



CHAIN OF CUSTODY RECORD 1000) PRESERVATIVES PRESERVATIVES
A Coal only, 44 deg. C
B - HNG3 pH-2
D - NaGOH pH-2
D - NaGOH pH-2
E - Zin-besties + NaGOH pH-9
E - Zin-besties + NaGOH pH-9
G - HZ, DH - 2
G - HZ, DH - 2 ☐ <u>Toledo, OH</u>
3401 Glendale Ave.
Suite 300
Toledo, OH 43614
Toledo, OH 43614
Fax (419)385-2018 1055 1180 110 9/30/10/190 9/30/10/10/1645 COLLECTION DATE/TIME 1 alpolio नाव्या व -21/ag/6 SAMPLE TYPES
A-AR
C-ASBESTOS
D-SEDIAENT
D-SEDIAENT
P-PRODUCT
S-SOIL
S-SOIL
Z-SOIL
Z-OTHERS METALS NO. OF CONT. Former Northolk Southern RR Site SAMPLE TYPE & ID Soloolo Sologio 5010010 Soloble 5016016 Mindianapolis, IN 6530 E. 75th St. Suife 174 hofamapolis, IN 4250 Phone: (317)558-0553 Fax: (317)558-0553 Stuart SIGVERS associates, inc. SAMPLE REPORT TO: DOUG 254 \$52 553 Suite 200 Dublin, OH 43016 Phone: (614)793-8777 Fax: (614)793-9070 551 Dublin, OH 6397 Emerald Parkway Project #: 551059 Samplers: रिर्मळ PROJECT NO. SBIOS **SBI059** SRI059 SBIOSA **5BI059**

COMMENTS

98

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ANALYSES

- LAB USE (MUST BE RETURNED WITH REPORT) DATE TIME TIME - RETAINED BY HULL - LAB USE RECEIVED FOR LAB BY: DISTRIBUTION: WHITE YELLOW ပ ω DATE TIME ¥ W COOLER TEMPERATURE AS RECEIVED: RELINQUISHED BY:

DAYS

TURN AROUND TIME: ASAP

6

ASAD

ナダナ

Method of Delivery: Airbill Number.

Deliver To:

2

DATE TIME DATE

PECENTED BY:

355

DATE: 9

11ME: DATE

Sucress S

2

RELINQUISHED BY

RELIMOUISHED BY:

WA Clear

San	iple Condition	n Upon Receipt	
Pace Analytical Client Name:	4/1.10		Project # 5041579
Gliefit Name.	Hur		Floject # <u>901797</u>
Courier: Fed Ex UPS USPS Clien	t Commercial	Pace Other	CONTROL CONTRO
Custody Seal on Cooler/Box Present: yes	no Seals	s intact: 🔲 yes 🍃	⊿ no
Packing Material: Bubble Wrap Bubble	Bags None	•	
Thermometer Used 1234 ABCDE	Type of Ice: / Wet		Samples on ice, cooling process has begun
Cooler Temperature 5.3 c		mpte Containers: [yes no
Temp should be above freezing to 6°C			Date and Intials of person examining
		Comments:	contents 9 20 10
Chain of Custody Present:	ØYes □No □N/A	1	
Chain of Custody Filled Out:	Yes UNO UN/A	2.	
Chain of Custody Relinquished:	ZYes □No □N/A	3.	
Sampler Name & Signature on COC:	Ves □No □N/A	4.	
Short Hold Time Analysis (<72hr):	□Yes ZNo □N/A	1	
Rush Turn Around Time Requested:	Yes No N/A	6. Turnar	round ASAP
Containers Intact:	ØYes □No □N/A	7.	
Sample Labels match COC:	QYes □No □N/A	8.	
-Includes date/time/ID/Analysis (Soil	**	
All containers needing preservation have been pH checked?	□Yes □No 12N/A	9.	
exceptions: VOA, coliform, TOC, O&G, Wi-DRO (water)	,		
All containers needing preservation are found to be in compilance with EPA recommendation.	□Yes □No □ZN/A		
Headspace in VOA Vials (>6mm):	□Yes □No □N/A	10.	
Trip Blank Present:	□Yes □No □N/A	11.	
Trip Blank Custody Seals Present	□Yes □No ØN/A		
Project Manager Review			
Samples Arrived within Hold Time:	TYes No N/A	12.	
Sufficient Volume:	ØYes □No □N/A	13.	
Correct Containers Used:	☑Yes □No □N/A	14.	
Client Notification/ Resolution:		,	Field Data Required? Y / N
Person Contacted:	Date/	Time:	**************************************
Comments/ Resolution:			
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Project Manager Review:	/\sa	SIN	Date: 9.3010
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Sample Container Count

Pace Analytical

CLIENT: K

COC PAGE 0f

Project # 5041579

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V636	3												
RD3C	3							,					
92	3 5				<u> </u>			-					
RPAN	5												
BP2S													
BP2U													
BP2N													
R 4/6									-				
WGFU	_	_	_	_	_	•		-			ļ		
AG1U	-	 		_							_		
DG9H AG1U WGFU R 4/6 BP2N BP211 BP2S BP3N BP311 BP3S AG3E AC1U													
		<u> </u>	-										
Sample Line Item	-	2	3	4	5	9	7	8	6	10	11	12	

AG1U 1liter unpreserved amber gl WGFU 4oz clear soil jar R terra core kit BP2N 500mL HNO3 plastic BP2U 500mL unpreserved plastic BP3N 250mL HNO3 plastic BP3N 250mL HNO3 plastic BP3N 250mL unpreserved plastic	DG9H 40mL HCL amber voa vial AG1U 1liter unpreserved amber glass VGFU 4oz clear soil jar R terra core kit BP2N 500mL HNO3 plastic BP2U 500mL H2SO4 plastic BP3N 250mL HNO3 plastic BP3N 250mL unpreserved plastic
250mL HNO3 plastic 250mL unpreserved p	BP3N 250mL HNO3 plastic BP3U 250mL unpreserved plastic
BP3S 250mL H2SO4 plastic	O4 plastic
AG3S 250mL H2S	250mL H2SO4 glass amber
1 liter H2SC	AG1S 1 liter H2SO4 amber glass
BP1U 1 liter unpre	1 liter unpreserved plastic



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







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





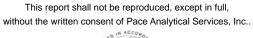
SAMPLE ANALYTE COUNT

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







ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042243

Percent Moisture

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

3.2 %

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 234 mg/kg 2.0 10/11/10 00:00 10/13/10 00:24 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

Date: 10/14/2010 09:28 AM

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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 223 mg/kg 1.9 10/11/10 00:00 10/13/10 01:04 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87 3.6 % Percent Moisture 10/11/10 16:04

0.10

1

Date: 10/14/2010 09:28 AM







ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042243

Percent Moisture

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

2.2 %

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 290 mg/kg 1.9 10/11/10 00:00 10/13/10 01:09 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

Date: 10/14/2010 09:28 AM

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042243

Percent Moisture

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

2.5 %

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 246 mg/kg 2.0 10/11/10 00:00 10/13/10 01:15 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

Date: 10/14/2010 09:28 AM

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042243

Percent Moisture

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

3.8 %

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 **315** mg/kg 2.0 10/11/10 00:00 10/13/10 01:21 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

Date: 10/14/2010 09:28 AM

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042243

Percent Moisture

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

3.4 %

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 3.3 mg/kg 1.8 10/11/10 00:00 10/13/10 01:27 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

Date: 10/14/2010 09:28 AM

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042243

Percent Moisture

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

1.2 %

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 735 mg/kg 1.7 10/11/10 00:00 10/13/10 01:32 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

Date: 10/14/2010 09:28 AM

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042243

Percent Moisture

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

0.76 %

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 210 mg/kg 1.8 10/11/10 00:00 10/13/10 01:38 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

Date: 10/14/2010 09:28 AM

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042243

Percent Moisture

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

1.7 %

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 1530 mg/kg 2.0 10/11/10 00:00 10/13/10 01:44 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

Date: 10/14/2010 09:28 AM

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042243

Percent Moisture

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

4.4 %

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 550 mg/kg 1.8 10/11/10 00:00 10/13/10 01:50 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

Date: 10/14/2010 09:28 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042243

Percent Moisture

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

2.0 %

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 364 mg/kg 1.7 10/11/10 00:00 10/13/10 01:55 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

Date: 10/14/2010 09:28 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042243

Percent Moisture

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

3.1 %

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 131 mg/kg 1.8 10/11/10 00:00 10/13/10 02:18 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

Date: 10/14/2010 09:28 AM







ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042243

Percent Moisture

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

3.7 %

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 396 mg/kg 1.8 10/11/10 00:00 10/13/10 02:24 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

Date: 10/14/2010 09:28 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042243

Percent Moisture

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

0.89 %

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 1400 mg/kg 1.9 10/11/10 00:00 10/13/10 02:30 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

Date: 10/14/2010 09:28 AM

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042243

Percent Moisture

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

1.1 %

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 755 mg/kg 1.7 10/11/10 00:00 10/13/10 02:35 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

Date: 10/14/2010 09:28 AM







ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042243

Percent Moisture

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

0.81 %

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 108 mg/kg 1.8 10/11/10 00:00 10/13/10 02:41 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

Date: 10/14/2010 09:28 AM







ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042243

Percent Moisture

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

9.3 %

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 163 mg/kg 1.9 10/11/10 00:00 10/13/10 02:47 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

Date: 10/14/2010 09:28 AM







ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042243

Percent Moisture

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

9.0 %

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 275 mg/kg 2.2 10/11/10 00:00 10/13/10 02:53 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

Date: 10/14/2010 09:28 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042243

Percent Moisture

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

9.1 %

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 107 mg/kg 1.9 10/11/10 00:00 10/13/10 02:58 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

Date: 10/14/2010 09:28 AM







ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042243

Percent Moisture

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

10.5 %

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 398 mg/kg 1.9 10/11/10 00:00 10/13/10 03:04 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

Date: 10/14/2010 09:28 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042243

Percent Moisture

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

6.7 %

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 530 mg/kg 2.0 10/11/10 00:00 10/13/10 03:33 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

Date: 10/14/2010 09:28 AM







ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042243

Percent Moisture

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

5.8 %

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 5.6 mg/kg 1.8 10/11/10 00:00 10/13/10 03:38 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

Date: 10/14/2010 09:28 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042243

Percent Moisture

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

17.0 %

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 14.3 mg/kg 2.0 10/11/10 00:00 10/13/10 03:44 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

Date: 10/14/2010 09:28 AM







ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042243

Percent Moisture

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

11.1 %

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 7.9 mg/kg 2.0 10/11/10 00:00 10/13/10 03:50 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

Date: 10/14/2010 09:28 AM







ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042243

Percent Moisture

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

7.5 %

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 7.2 mg/kg 1.9 10/11/10 00:00 10/13/10 03:56 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

Date: 10/14/2010 09:28 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042243

Percent Moisture

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

7.1 %

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 10.4 mg/kg 2.1 10/11/10 00:00 10/13/10 04:01 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

Date: 10/14/2010 09:28 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042243

Percent Moisture

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

10.6 %

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 9.9 mg/kg 1.9 10/11/10 00:00 10/13/10 04:47 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

Date: 10/14/2010 09:28 AM







ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042243

Percent Moisture

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

6.3 %

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 243 mg/kg 1.9 10/11/10 00:00 10/13/10 04:53 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

Date: 10/14/2010 09:28 AM

REPORT OF LABORATORY ANALYSIS







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 DF Results Units Report Limit Prepared CAS No. Qual Analyzed

6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010

ND ug/L 10.0 10/11/10 00:00 10/12/10 21:44 7439-92-1 Lead

Date: 10/14/2010 09:28 AM

REPORT OF LABORATORY ANALYSIS This report shall not be reproduced, except in full,

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Project: SBI059
Pace Project No.: 5042243

Lead

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,

5042243017, 5042243018, 5042243019, 5042243020

Parameter Units Blank Reporting Result Limit Analyzed Qualifiers

mg/kg ND 2.0 10/13/10 00:12

LABORATORY CONTROL SAMPLE: 493470

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 493471 493472

MS MSD

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





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

Blank Reporting

 Parameter
 Units
 Result
 Limit
 Analyzed
 Qualifiers

 Lead
 mg/kg
 ND
 2.0
 10/13/10 03:21

LABORATORY CONTROL SAMPLE: 493474

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 493475 493476

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





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

Blank Reporting
Parameter Units Result Limit Analyzed Qualifiers

Lead ug/L ND 10.0 10/12/10 21:32

LABORATORY CONTROL SAMPLE: 493317

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 493318 493319

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







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,

5042243019, 5042243010, 5042243011, 5042243012, 5042243013, 5042243014, 5042243015, 5042243016,

5042243017, 5042243018, 5042243019, 5042243020

SAMPLE DUPLICATE: 493465

Parameter

 Units
 5042243001 Pup Result
 Dup RPD
 Max RPD
 RPD
 Qualifiers

 3.2
 3.2
 .07
 5

SAMPLE DUPLICATE: 493466

Percent Moisture

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







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

S042243026 Dup Max
Parameter Units Result Result RPD RPD Qualifiers

 Percent Moisture
 %
 7.1
 7.1
 .1
 5

SAMPLE DUPLICATE: 493496

5042267028 Dup Max RPD RPD Parameter Units Result Result 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

Date: 10/14/2010 09:28 AM

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.



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		CHAIN	CHAIN OF CUSTODY RECORD	ORD VAMS	PAGE / OF 3
& āssociates, inc.	į				.ON
	Mason, OH 4900 Parkway Dr. Suite 100	Solon, OH 6161 Cochran Road Suite D	☐ <u>Toledo, OH</u> 3401 Glendale Ave. Suite 300		
Dublin, OH 43016 Indianapolis, IN 46250 Phone: (614) 793-8777 Phone: (715 558-6558 Env. (747) 568-6558	Mason, OH 45040 Phone: (513) 459-967	Solon, OH 44139 Phone: (440) 519-2555	Toledo, OH 43614 Phone: (419) 385-2018		ANALYSES
-	Fax: (513) 458-9669	rax: (440) 519-2560	(419) 385-5487 PRESERVATIVES	TIVES	
1	5 + 1 80 J		PRESERVATIVES		
10 F		C - ASESTOS C - REDIMENT D - SEDIMENT	B-HNO ₃ pH-2 B-BOTH		/////
ct# 581059	Phase:	P-PRODUCT S-SOIL	E - ZnAcetate + NaCH, pH>9 E - ZnAcetate + NaCH, pH>9 F - Na S O O nose.	<i> </i>	
हेन्स	ame.	W-WAIER Z-OTHERS All samulos	G-HGL pH <2 G-HGL		~ ~ ~ ~ / / / /
PROJECT SAMPLE NO. LOCATION	SAMPLE TYPE & ID	NO. OF METALS	LS COLLECTION DATE:		COMMENTS
581051 : 5w-9A :	5005-020	7	X 1521/1/41		100 -
1 :5w-10 4 :			× 552/		(W)
: SW - 114 :			X 809/		- (7)
: 900 A11-02:			X 8081		Dsp/1244 _004
: 421-WS:			X MS/		
: \$W~134:	_		X 815)		900-
: 5W-WY:			√322 X		200-
: 451-US:			1329 X		700
: \$791-175;	-		(334 X		600-
: 471-05:			X 01-81		010-
: 510-174(By)	_}		X 012/		Duplicate -011
: 451-mx:	>	* *	× 97.61		(10-
RELINQUISHED BY:	٦	RECEIVED BY:	0	Deliver To:	
RELINGUISHED BY	18 % > / S / S / S / S / S / S / S / S / S /	RECEIVED BY	TIME: 2.32	Method of Delivery	
	TIME:		DAIE	Airbill Number:	
RELINQUISHED BY:	DATE:	RECEIVED FOR LAB BY:	DATE:	NOTES.	
	TIME:		TIME:	NOIES:	5.2
COOLER TEMPERATURE AS RECEIVED:	3,0,5	DISTRIBUTION: WHITE ·LAB USE (M YELLOW ·LAB USE	- LAB USE (MUST BE RETURNED WITH REPORT) - LAB USE		
			T H N T	I UKN AKOUND I IME:	DAYS

Stepas/ M F COMMENTS 2012 100 10--015 ロロア 0101 てもし 040 -190 1033 701 T 0 1 PAGE __ ġ ANALYSES DAYS TURN AROUND TIME: Method of Delivery: Airbill Number: NOTES: Deliver To: **CHAIN OF CUSTODY RECORD** PRESERVATIVES DATE: 10-8-10 - LAB USE (MUST BE RETURNED WITH REPORT) X TIME: 2.32 > × 1526 1425 146 -05-N 1436 153 1521 1433 701 五五 10/7110 1357 As samples are kept at 4 degrees Celstu ☐ <u>Toledo, OH</u>
3401 Glendale Ave.
3401 Glendale Ave.
Suite 300
Toledo, OH 43614
5 Phone: (419) 385-2018
Fax: (419) 385-5487 101 COLLECTION DATE/TIME DATE ij DATE TIME - RETAINED BY HULL A - AIR
C - ASBESTOS
D - SEDIMENTE
G- GROUNDWATER
P- PRODUCT
S- 801L
W-WATER
Z- OTHERS - LAB USE | Solon, OH | 6161 Cochran Road | 6161 Cochran Road | Sulte D | Solon, OH 44139 | 7 Phone (440) 519-2555 | Fax: (440) 519-2560 | 1 RECEIVED FOR LAB BY METALS RECEIVED BY: DISTRIBUTION: WHITE YELLOW RECEIVED BY: NO. OF CONT. PINK Y (Mason, OH 4900 Parkway Dr. Sufe 100 A 5000 Parkway Dr. Sufe 100 A 5000 Mason, OH 459-9677 Fax. (513) 459-969 020-: BS-1A: 5020-020 DATE: 10/7/10 SAMPLE TYPE & ID ပ TIME: 163 3,0 500 S : 46 - 50S となった Phase: などろ DATE DATE TIME Ĭ₩ Day Straw : 5m-24 : : 500-14 : : 45-mg 5w-6A .. : 女か-35: 5w- 204 ociates, inc. 15W-7A : SW-34 : B5-24 SAMPLE LOCATION :135-3A 40/4 Client: City b COOLER TEMPERATURE Project #: 581055 CDublin, OH
6397 Emerald Parkway
Suite 200 Dublin, OH 43016 Phone: (614) 793-8777 Fax: (614) 793-9070 REPORT TO: AS RECEIVED: RELINQUISHED BY: RELINQUISHED BY: RELINQUISHED BY: Samplers: -PROJECT NO. 581059

· Stranis, 500 + MS/MSD - CON/SM * COMMENTS 201090 M <u>М</u> PAGE V 4 2 ġ DAYS ANALYSES TURN AROUND TIME: Method of Delivery: Airbill Number: NOTES: Deliver To: TO CHAN **CHAIN OF CUSTODY RECORD** PRESERVATIVES 1337 10-8-10 - LAB USE (MUST BE RETURNED WITH REPORT) PRESERVATIVES M
A - Cool only, -4 deg, C F - B - B + BNO₂ pH-C R - C - H₂Cy pH-C D - NaCH pH-12 B - ZAA-sordne + NaCH, pH-pg F - Ng, \$7 0 (0.009%) 1558 1887 2 1531 5191 ☐ <u>Toledo, OH</u>
3401 Glendale Ave.
3401 Glendale Ave.
Sulte 300
Toledo, OH 43614
5 Phone: (419) 385-2018
Fax: (419) 385-5487 iples are kept at 4 degrees Celai COLLECTION DATE/TIME DATE TIME DATE DATE TIME TIME - RETAINED BY HULL 01/2/01 SAMPLE TYPES
A- ARR
C. - ASBESTOS
B- SEDIMENT
P. PRODUCT
S. SOIL
S. WATER
Z. OTHERS - LAB USE | Csolon, OH | Classical State | Cochran Road | Sulte D | Solon, OH 44139 | Phone: (440) 519-2555 | Fax: (440) 519-2560 | Phone: (440) 519-2560 | Phon RECEIVED FOR LAB BY: METALS DISTRIBUTION: WHITE YELLOW RECEIVED BY: RÉCEIVED BY: ¥ NO. OF CONT. N 7 Exporut Blow Mason, OH
4900 Parkway Dr.
Sulfe 100
Mason, OH 45040
Phone: (513) 459-9677
Fax: (513) 459-9869 F Tro Blank 5020-020 5020-020 : 5020-020 DATE: 10/7/10 SAMPLE TYPE & ID ပ 300 → Soft Phase: \mathcal{O} Stract ΨË DATE DATE TIME TIME Wresh Š Exigue Albert B5-44 : associates, inc. B5-54 Para Ja, SAMPLE LOCATION : BS-7A Bs-64 - K- 44 73/16 7)0/20/ COOLER TEMPERATURE Project #: 581051 Dublin, OH 43016 Phone: (614) 793-8777 Fax: (614) 793-9070 6397 Emerald Parkway Suite 200 REPORT TO:____ AS RECEIVED: RELINQUISHED BY: RELINQUISHED BY: RELINQUISHED BY: Dublin, OH Samplers: PROJECT NO. 581051 Client

Sample Condition Upon Receipt

Sal	inbie cond	ilition.	Opon Neceip	
Face Analytical Client Name	:	4	1 550C	Project # <u>50 42 43</u>
(,			
Courier: Fed Ex UPS USPS Clie Tracking #:	nt Comm	ercial	Pace Other	<u> </u>
Custody Seal on Cooler/Box Present: yes	☐ no	Seals	intact: yes	no
Packing Material: Bubble Wrap Bubble	Bags 🔲 N	lone	Other	
Thermometer Used 1/2346ABCDE	Type of ice	: Wet	⁷ Blue N one	Samples on ice, cooling process has begun
Cooler Temperature 3 · O	Ice Visible	e in Sa	mple Containers:	yes no
Temp should be above freezing to 6°C			Comments:	Date and Initials of person examining contents: / クー 8ー/ 0 リリ
Chain of Custody Present:	∐Yes □No	□n/a	1.	
Chain of Custody Filled Out:	✓Yes □No	□n/a	2.	
Chain of Custody Relinquished:		□n/a	3.	
Sampler Name & Signature on COC:	✓Yes □No	□n/a	4.	
Short Hold Time Analysis (<72hr):	□Yes ☑No	□n/a	5.	
Rush Turn Around Time Requested:	ZiYes □No	□n/a	6.	
Containers Intact:	Yes ONo	□n/a	7.	
Sample Labels match COC:	Yes DNo	□n/a	8.	
Includes date/time/ID/Analysis				
All containers needing preservation have been pH checked	PÎYes □No	□n/a	9.	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)				
All containers needing preservation are found to be in compliance with EPA recommendation.	Yes 🗆 No	□n/a		
Headspace in VOA Vials (>6mm):	□Yes □No	□n/a	10.	
Trip Blank Present:	Yes DNo	□n/a	11.	
Trip Blank Custody Seals Present	☑Yes □No	□n/a		
Project Manager Review	Tuktu (i.)	21.49 H	Original and second and an analysis of the second and the second a	
Samples Arrived within Hold Time:	XíYes □No	□n/a	12.	
Sufficient Volume:	Yes □No	□n/a	13.	
Correct Containers Used:	∑res □No	□n/a	14.	
Client Notification/ Resolution:			·	Field Data Required? Y / N
Person Contacted:		_Date/	Time:	<u></u>
Comments/ Resolution:				
				
			1-	
	1/	7	/	
	1	1/		_
Project Manager Review:	NATA X	TIAN	15	Date: /0/8-//D
- 4500	· · · · · · · · · · · · · · · · · · ·			——————————————————————————————————————
£				

Sample Container Count

Pace Analytical

CLIENT: HULL \$ \$550C

COC PAGE / of 3

Sample Line Item

Project # 504343

	Comments																	7,700					
	33S AG1H																						
	BP3N BP3U BP3S AG3S AG1H																						
DG9H AG1U WGFIJ R 4/6 RP2N BD211 BD25		6	-	Sc		X	6		6		6		ત	_	6		X		îc	6		6	
Item DG9H	Į.		2	1	8		4	ı	င	•	:O	_		a	0	 O:)	10			1.0		

a vial hber glass lastic samber amber sstic			BPTIN 1 liter HNO3 plastic DG9P 40ml TSP amher visit	glass BP4S 1 liter H2SOA ploatio		er riz3O4 amber glass BP10 1 liter unpreserved plastic DG9T 40mL Na Thio amber via	BP1Z 1 liter NaOH Zn Ac	DOO'N ENGLY IN THE STATE OF THE		per glass BP2O 500mL NaOH plastic	DD37 E00-1 11-013	+	BP3A 250ml NaOh Asc Acid plastic	ממט סמט איני איני איני סייס		BP3Z 250mL NaOH, Zn Ac plastic	Air Oscarda	2000	glass DG9B 40mL Na Bisulfate amber vial W	DOOM April 16-01
dass		VF Air Either	- Aut - INC	AG1H 1 liter HCL amber glass	S 1 Hor U2601	ACTO THE FLOOR AMBELGIASS	AG11 1 liter Na Thiosulfate amber of	AG2N 500mi HNO3 amber glass	Section Court Court	AGES SUUTIL FIZSO4 amber glass	AG2U 500mL unpresenzed amber ala	מוס המוס המוס המוס המוס המוס המוס המוס ה	AG3U 250mL unpreserved amber gla	BG1H 1 liter HCL clear class	The Great Glass	DO 15 1 liter HZSO4 clear glass	BG1T 1 liter Na Thiosulfate clear dia	7 134	intel unipreserved glass	BP1A 1 liter NaOH Asc Acid plactic
김 4 三 4 회 의 의 의 의 의 의 의 의 기 그 그	Container Codes	_	-					500mL HNO3 plastic AG2							╁	1	_	-	\dagger	-

Sample Container Count

Pace Analytical

COLIENT: 1/1 + 15500 coc 10#_

Project # 5042343

Comments BP3N BP3U BP3S AG3S AG1H DG9H AG1U WGFU R 4/6 BPZN BP2U BP2S coco coco coco coco Sample Line Item 10 $^{\circ}$ S 7 5 4 ဖ ∞ ರಾ

7	İ		<u> </u>				T					T		Ţ.	T		T			Ţ
		DG9P 40mL TSP amber vial	S. 40ml H2SO4 amberviol	To the state of th	UGS 1 40mL Na I No amber vial	U 40mL unpreserved amber vial	I Miles 10	wipe/swap	JGFU 407 tinnresented amber wide	DOM DOWN POR POR MICE	U Summa Can	1 101 1 1-07	VOSTI 4UTIL FICE CIERT VIRI	T 40mL Na Thio clear vial	100	VGSU 40mL unpreserved clear vial	VSV Hospital contrate of the C	I canabace septa vial & FICE	WGFX 4oz wide jar w/hexane wipe	ZPLC Ziploc Bag
		69 <u>0</u>	DG9S		3 0	0690 -		_			-	7	5	VG9T	2	3	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		Ğ. Ö.	ZPL
	DD4M 4 Ban (1MC)	or ity I file HINGS plastic	BP1S 1 liter H2SO4 plastic	BP1U 1 liter unmessened plastic	DOCA T THE THE PROPERTY OF THE	Dr.12 1 Itter NaOH, Zn, Ac	BP2A 500ml NaOH Asc Acid plastic	מושפור הבייה ויים בייה הפיים הומפור	Brzuj buuml NaOH plastic	RP27 500ml NaOU 72 A2	+	BP3A 250ml NaOh Asr Arid plastic	חומפות הוא היים ויים היים היים היים היים היים היים	BP3C 250mL NaOH plastic	BP37 250ml NaOH Zn Ac plactic	ביטווב ומסוו, בוו אר חומפוונ	C Air Cassettes	DC0B 40ml No Discussion	TOTAL INA DISUITATE AMDEL VIA!	DG9M 40mL MeOH clear vial
	AF Air Filter		ACTH 1 Mer HCL amber glass	AG1S 1 liter H2SO4 amber glass	AG1T 1 liter Na Thinsulfate ambor Al	אססאו בסט ייייטי אינייטי מיווחפו או	AGZN 500mL HNO3 amber glass	AG2S 500ml H2SO4 amber glass	ייטבט מסטוור ויגסטי מוווספו קומצא	AG2U 500mL unpreserved amber ala	Sign Sales and Color and C	AG3U Z5Uml, unpreserved amber gla	RG1H 4 liter HC1 whose sheet	COLLEGE SION OFFICE GIASS	BG1S 1 liter H2SO4 clear glass	BOAT 4 Boards This are	DOLL I HER ING I DIOSUITATE CIEBR GIA	BG1U 1 liter unpreserved glass	DOMA A SECTION OF THE COLUMN ASSESSMENT OF THE	Dr IA I IIIET NACH, ASC ACID plastic
Container Codes	DG9H 40mL HCL amber voa vial	000	u allinei grass	WGFU 402 clear soil jar	terra core kit	SOOM! HNO3 plactic		500mL unpreserved plastic	1	SUUTIL HZSO4 plastic	BP3N 250ml HNO3 plactic	ECONIE I II CO PIRAMIC	250mL unpreserved plastic	750ml 1000 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DI SO ASULL HASO4 Plastic	250ml H2SO4 glass amber	DOMEST CONTRACT	AG1S 1 liter H2SO4 amber glass	BP1U 1 liter unpresenzed plactic	יייי בייי ביייי ביייי בייייי בייייי בייייי
	DG9H	AG111	11000	NVGFU	<u>α</u>	RP2N	i	BP2U	9000	2720	BP3N	5	BP3U	2000	20 70	AG3S	()	AGIS	BP1U	

Sample Container Count

CLIENT: HON SHESOC

COC PAGE 3 of 3

200 D

Sample Line Item

Project # 5042243

DG9H AG1U WGFU R 4/6 BP2N BP2U BP3S BP3N BP3U BP3S AG3S AG1H

Pace Analytical

Comments

			· ·			- ,		, . .				7	_	,	7				.,						
													DG9P 40mL TSP amber vial	40mL H2SO4 amber vial		40mL unpreserved amber vial	Wipe/Swab				40ml. Na Thio. clear vial			4oz wide iar w/hexane wipe	ZPLC Ziploc Bag
													DG9P	DG9S	DG9T	DG90		JGFU	n	H69A	VG9T	VG9U	VSG	WGFX	ZPLC
													1 liter HNO3 plastic	1 liter H2SO4 plastic	1 liter unpreserved plastic	1 liter NaOH, Zn, Ac	BP2A 500mL NaOH, Asc Acid plastic	BP2O 500mL NaOH plastic	BP2Z 500mL NaOH, Zn Ac	250mL NaOh, Asc Acid plastic	BP3C 250mL NaOH plastic	BP3Z 250mL NaOH, Zn Ac plastic	Air Cassettes	DG9B 40mL Na Bisulfate amber vial	DG9M 40mL MeOH clear vial
													BP1N	BP1S	BP1U	BP1Z	BP2A	BP20	BP2Z	BP3A	вРзс	BP3Z	ပ	DG9B	DG9M
													AF Air Filter	AG1H 1 liter HCL amber glass	AG1S 1 liter H2SO4 amber glass	AG1T 1 liter Na Thiosulfate amber gl	AG2N 500mL HNO3 amber glass		AG2U 500mL unpreserved amber gla	AG3U 250mL unpreserved amber gla	BG1H 1 liter HCL clear glass		BG1T 1 liter Na Thiosulfate clear gla	BG1U 1 liter unpreserved glass	BP1A 1 liter NaOH, Asc Acid plastic
			-	-										—	A	A	SA	¥	A	8	8	8	B	8	
6	2	26	76	6								Container Codes		_		}	- 1	1	- 1	- 1				1	1 liter unpreserved plastic
7-	2	3	4	5	9	7	8	ග	10	11	12		DG9H	AG1U	WGFU	2	BPZN	BP2U	BP2S	REAR	ВРЗО	BP3S	AG3S	AG1S	BP1U





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







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





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

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SAMPLE ANALYTE COUNT

Project: SBI059
Pace Project No.: 5042267

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		ASTM D2974-87	KLS	1
5042267020	SBI059:BS-1:S020020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042267021	SBI059:BS-5:S020020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042267022	SBI059:BS-8:S020020	EPA 6010	FRW	1
		ASTM D2974-87	KLS	1
5042267023	SBI059:EQ-BLANK:W100810	EPA 6010	FRW	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







ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042267

Percent Moisture

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

3.5 %

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 368 mg/kg 2.1 10/11/10 00:00 10/12/10 17:12 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 10/14/2010 10:42 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042267

Percent Moisture

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

5.8 %

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 129 mg/kg 2.1 10/11/10 00:00 10/12/10 17:18 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 10/14/2010 10:42 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042267

Percent Moisture

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

15.2 %

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 17.5 mg/kg 2.3 10/11/10 00:00 10/12/10 17:23 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 10/14/2010 10:42 AM

REPORT OF LABORATORY ANALYSIS







ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042267

Percent Moisture

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

8.0 %

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 **7.1** mg/kg 2.0 10/11/10 00:00 10/12/10 17:29 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 10/14/2010 10:42 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042267

Percent Moisture

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

6.5 %

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 64.7 mg/kg 2.1 10/11/10 00:00 10/12/10 17:46 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 10/14/2010 10:42 AM

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042267

Percent Moisture

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

3.7 %

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 27.5 mg/kg 1.8 10/11/10 00:00 10/12/10 17:52 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 10/14/2010 10:42 AM

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042267

Percent Moisture

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

4.5 %

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 25.2 mg/kg 2.0 10/11/10 00:00 10/12/10 17:58 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 10/14/2010 10:42 AM

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042267

Percent Moisture

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

4.2 %

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 142 mg/kg 2.0 10/11/10 00:00 10/12/10 18:03 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 10/14/2010 10:42 AM

REPORT OF LABORATORY ANALYSIS







ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042267

Percent Moisture

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

2.7 %

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 15.7 mg/kg 2.0 10/11/10 00:00 10/12/10 18:09 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 10/14/2010 10:42 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042267

Percent Moisture

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

4.2 %

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 8.7 mg/kg 2.0 10/11/10 00:00 10/12/10 18:15 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 10/14/2010 10:42 AM

REPORT OF LABORATORY ANALYSIS







ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042267

Percent Moisture

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

2.9 %

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 25.1 mg/kg 2.0 10/11/10 00:00 10/12/10 18:20 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 10/14/2010 10:42 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042267

Percent Moisture

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

3.3 %

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 17.5 mg/kg 2.0 10/11/10 00:00 10/12/10 18:26 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 10/14/2010 10:42 AM

REPORT OF LABORATORY ANALYSIS







ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042267

Percent Moisture

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

6.0 %

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 207 mg/kg 2.1 10/11/10 00:00 10/12/10 18:32 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 10/14/2010 10:42 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042267

Percent Moisture

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

4.9 %

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 16.3 mg/kg 2.0 10/11/10 00:00 10/12/10 18:38 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 10/14/2010 10:42 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042267

Percent Moisture

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

6.0 %

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 338 mg/kg 2.1 10/11/10 00:00 10/12/10 19:00 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 10/14/2010 10:42 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042267

Percent Moisture

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

2.0 %

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 37.2 mg/kg 2.0 10/11/10 00:00 10/12/10 19:06 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 10/14/2010 10:42 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042267

Percent Moisture

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

9.6 %

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 5.7 mg/kg 2.1 10/11/10 00:00 10/12/10 19:12 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 10/14/2010 10:42 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042267

Percent Moisture

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

6.8 %

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 3.9 mg/kg 2.1 10/11/10 00:00 10/12/10 19:17 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 10/14/2010 10:42 AM

REPORT OF LABORATORY ANALYSIS







ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042267

Percent Moisture

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

2.7 %

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 2.2 mg/kg 1.8 10/11/10 00:00 10/12/10 19:46 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 10/14/2010 10:42 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042267

Percent Moisture

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

5.6 %

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 7.9 mg/kg 2.0 10/11/10 00:00 10/12/10 19:52 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 10/14/2010 10:42 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042267

Percent Moisture

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

5.2 %

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 5.0 mg/kg 2.0 10/11/10 00:00 10/12/10 15:35 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 10/14/2010 10:42 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042267

Percent Moisture

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

5.5 %

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 14.4 mg/kg 2.1 10/11/10 00:00 10/12/10 16:03 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 10/14/2010 10:42 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042267

Sample: SBI059:EQ- Lab ID: 5042267023 Collected: 10/08/10 14:36 Received: 10/09/10 10:46 Matrix: Water

BLANK:W100810

Parameters Results Units Report Limit DF Prepared Analyzed CAS No. Qual

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

Date: 10/14/2010 10:42 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042267

Percent Moisture

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

5.7 %

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 4.4 mg/kg 1.8 10/11/10 00:00 10/12/10 16:09 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 10/14/2010 10:42 AM







ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042267

Percent Moisture

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

2.9 %

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 9.3 mg/kg 1.8 10/11/10 00:00 10/12/10 16:15 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 10/14/2010 10:42 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042267

Percent Moisture

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

3.3 %

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 11.3 mg/kg 2.0 10/11/10 00:00 10/12/10 16:38 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 10/14/2010 10:42 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042267

Percent Moisture

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

6.9 %

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 143 mg/kg 2.1 10/11/10 00:00 10/12/10 16:43 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 10/14/2010 10:42 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042267

Percent Moisture

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

9.7 %

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 6.6 mg/kg 2.0 10/11/10 00:00 10/12/10 16:49 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 10/14/2010 10:42 AM

REPORT OF LABORATORY ANALYSIS







ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042267

Percent Moisture

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

6.5 %

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 22.0 mg/kg 2.1 10/11/10 00:00 10/12/10 16:55 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

10/12/10 14:55

Date: 10/14/2010 10:42 AM

REPORT OF LABORATORY ANALYSIS

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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

ParameterUnitsBlank Reporting ResultReporting LimitAnalyzedQualifiersArsenicmg/kgND2.010/12/10 17:01

LABORATORY CONTROL SAMPLE: 493301

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits

ParameterUnitsConc.Result% RecLimitsQualifiersArsenicmg/kg5051.410380-120

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 493302 493303

MS MSD

5042267018 MS MSD MS MSD Max Spike Spike % Rec Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits RPD RPD Qual

Arsenic mg/kg 3.9 48.3 49.3 50.4 51.6 96 97 75-125 2 20

Date: 10/14/2010 10:42 AM





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

Blank Reporting

 Parameter
 Units
 Result
 Limit
 Analyzed
 Qualifiers

 Arsenic
 mg/kg
 ND
 2.0
 10/12/10 14:42

LABORATORY CONTROL SAMPLE: 493305

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 493306 493307

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





EPA 6010

6010 MET

Analysis Method:

Analysis Description:

Project: SBI059
Pace Project No.: 5042267

QC Batch: MPRP/6508
QC Batch Method: EPA 3010

Associated Lab Samples: 5042267023

METHOD BLANK: 493316 Matrix: Water

Associated Lab Samples: 5042267023

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

Arsenic ug/L ND 10.0 10/12/10 21:32

LABORATORY CONTROL SAMPLE: 493317

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 493318 493319

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

Date: 10/14/2010 10:42 AM







Project: SBI059
Pace Project No.: 5042267

QC Batch: PMST/5202 Analysis Method: ASTM D2974-87

Units

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

5042267001 Dup Max
Result RPD RPD Qualifiers

Percent Moisture % 3.5 3.5 0 5

SAMPLE DUPLICATE: 493490

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

Date: 10/14/2010 10:42 AM RE

REPORT OF LABORATORY ANALYSIS

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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
 Max RPD
 RPD
 Qualifiers

 Percent Moisture
 %
 7.1
 7.1
 1
 5

SAMPLE DUPLICATE: 493496

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

Date: 10/14/2010 10:42 AM







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 Result Result RPD RPD Qualifiers

Percent Moisture % 44.4 44.2 .3 5

SAMPLE DUPLICATE: 493840

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

Date: 10/14/2010 10:42 AM







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.

Date: 10/14/2010 10:42 AM

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.

This report shall not be reproduced, except in full,



& associates, i

CHAIN OF CUSTODY RECORD

PAGE 1 OF 3

No. 6599

	ANALYSES	1111111111					Tal.	- *** / / / / / / / / / / / / / / / / /	COMMENTS	/ ()	700-	003	7007	- 205	900-	L-80-	8/10	600-	010-	10-	1101			ary:					DAYS DAYS
		PRESERVATIVES				1		\ \ \															Leliver 10:	Method of Delivery:	Airbill Number:	NOTE OF		1	TURN AROUND TIME
☐Solon. OH ☐ Toledo. OH 6161 Cochran Road 3401 Glendale Ave.	Suite A Suite 300 Solon, OH 44139 Toledo, OH 43614 Phone: (440)54555 Dhone: (440)395	Phone: (440)519-2555 Phone: (419)385-2018 Fax: (440)519-2560 Fax: (419)385-5487		PRESERVATIVES	- NOT FILL I	D - NaOH pH>12 E - ZnAcetate + NaOH, pH>9	F-Na. \$ 0 (0.008%) G-HCL pH <	All samples are kept at 4 degrees Celsius.	NO. OF METALS COLLECTION CONT.	2 V 10/8/10-11/56 X	X 184 X	X (201 X	×),~05/	/207 X	x 1121/	X 2121/	1218×	X 722/X	X 223/X	1231 X	\ \ \ \ \ \ \ \ \	PAC		DATE	TIME:	RECEIVED FOR LAB BY: DATE:	TME:	DISTRIBUTION: WHITE -LAB USE (MUST BE RETURNED WITH REPORT) YELLOW -LAB USE	
Dublin, OH Dindianapolis, IN Mason, OH C G397 E Fith St. 4900 Parkway Dr.	Suite 174 Indianapolis, IN 46250 Phone: (317)558-0558	Fax: (317)558-0553	REPORT TO: Dayy Stown !-	Clear City of Suther	Nortolle	\$ \$	لكا عمار	5	PROJECT SAMPLE SAMPLE NO. LOCATION TYPE & ID	581051 : 50-1B : 5005-020	1 5w 23 :	: 52-33 ::	: 52-43 :	: 25-04:	NO I	: 3/-~;	: 38-m=:	: 5w-dB:	: 5w - mg :	: 5W - 1/B :	12B:	```	Judy 11-2 TIME: 10:46	RELINQUISHED BY:	TIME:	RELINQUISHED BY:	TIME	AS RECEIVED: C	

Larency COMMENTS Cat New Pales Duplieute Oranto Р Г 2 & Swigge PAGE ġ ANALYSES TURN AROUND TIME: Method of Delivery: Airbill Number: COM NOTES: Deliver To: **CHAIN OF CUSTODY RECORD** 1 Crossit PRESERVATIVES 37754 METALS F - FILTERED N - NOT FILTERED B - BOTH DATE: 10-9-10
TIME: 10:4/ 715:01 - LAB USE (MUST BE RETURNED WITH REPORT) A-Cool only, ct deg. C F-B- NHO₂ pH<2 B- C-H₂80₂ pH<2 C-H₂80₂ pH (2008%) > 122 7.55 122 1436 1,527 4.00 1:107 1327 スパ 19/8/10 1257 are kept at 4 degrees Celalu こて ☐ <u>Toledo, OH</u>
3401 Glendale Ave.
Suife 300
Toledo, OH 43614
Toledo, OH 43614
5 Phone: (419) 385-2018
Fax: (419) 385-5487 COLLECTION DATE/TIME PRESERVATIVES DATE TIME DATE TIME A.AR C.ASBESTOS D. SEDIMENT G. GROUNDWATER P. PRODUCT S. SOIL W. WATER Z. OTHERS James Johns RECEIVED BY: SAMPLE TYPES - LAB USE RECEIVED FOR LAB BY: © Solon, OH 6151 Cochran Road Suite D Solon, OH 44139 7 Phone; (440) 519-2555 Fax: (440) 519-2560 METALS DISTRIBUTION: WHITE YELLOW RECEIVED BY: NO. OF N Resignant Black 4900 Parkway Dr. Suite 100 Mason, OH 45040 Phone: (513) 459-9677 Fax: (513) 459-9869 4004-010 10 m : 5020-0206: Isis Blant SAMPLE TYPE & ID ပ Mason, OH DATE: 10/9/ Phase: J. 35 ij DATE DATE TIME TIME Indianapolis, IN 46250 Phone: (317) 558-0558 Fax: (317) 558-0553 ☐ Indianapolis, IN 6330 E, 75th St. Suite 176 んご 1 X 20 - 17 (27) : (3+0) MO - 5/2: ociates, inc. SAMPLE LOCATION 5<2 ζ, 8)-ws: The state of the s 85-5 9 なる 11-35 びかーへ COOLER TEMPERATURE アント Nortalk 32 Project #: 421 051 ر ا 32 Dublin, OH 43016 Phone: (614) 793-8777 Fax: (614) 793-9070 Dublin, OH 6397 Emerald Parkway AS RECEIVED: REPORT TO: RELINQUISHED BY: RELINQUISHED BY: RELINQUISHED BY: Samplers: -5हे। ठेड PROJECT NO. Select. Client:

200

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020-P/0-

7.40 140/

DAYS

- RETAINED BY HULL

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		CHAIN OF	HAIN OF CUSTODY RECORD	ORD	PAGE 3 OF 3
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ш	Mason, OH 4900 Parkway Dr. Suite 100	Golon, OH Dioledo, OH 6161 Cochran Road 3401 Gendale Ave. Suite D Suite 300	H ale Ave.		
Dubilit, Crt. 430.10 Indianapolis, IN. 46250 Phone: (614) 793-8777 Phone: (617) 558-0558 Fay: (614) 793-6070 Fav. (417) 558-055	IN 46250 Mason, OH 45040 558-0558 Phone: (513) 459-9677 8-0553 Equ. (513) 450 0500	Solon, OH 44139 Phone: (440) 519-255	ι		ANALYSES
4	Stort	rax: (440) 519-2550	85-5487 PRESERVATIVES	ATIVES	
	South Bend	SAMPLE TYPES PR A+AIR A	PRESERVATIVES METALS A-Cool only, 44 deg. C F-FILTERED		
Nortolk	i I	C-ASBESTOS B. D-SEDIMENT C. G-GROUNDWATER	HNO ₃ pH<2 N-NOT FILTERED H ₂ 80 ₄ pH<2 B-BOTH		7////
	Phase:	P- PRODUCT B- SOIL W-WATER F-	D - NaOH ptb: 12 E - ZhAcetate + NaOH, ph:>8 F - Na, § O (0.006%)		
Samplers: Lote Wash	1 P	yes and			876////
PROJECT SAMPLE NO. LOCATION	SAMPLE TYPE & ID	NO. OF METALS CO	COLLECTION DATE/TIME		COMMENTS
861-W2: P20182	: 5005-020	2 / 10/8/10	X 105/		V ()
5M-03:			/ Sos X		10+0 J
					-07f
: 510-16B	→		X 6181		(401
-63	: 5820-020		X MS		1 X C)
85-73	5050-020	>> >> >>	× 625		100 V
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RELINGUIGHED BY:	DATE: 10/9/10	RECEIVED BY:	DATE: 10-9-10	Deliver To:	
RELINQUISHED BY:	TIME: 10:4 /	Jappes Jones RECEIVED BY:	TIME: 10:96	Method of Delivery:	
	TIME:		TIME:	Airbill Number:	
RELINQUISHED BY:	DATE:	RECEIVED FOR LAB BY:	DATE:	NOTES:	
COOLER TEMPERATURE	° ' '	DISTRIBUTION:	IIME		
AS RECEIVED:	2 7.1/		- LAB USE (MUST BE RETURNED WITH REPORT) - LAB USE	TURN AROUND TIME:	DAYS
		PINK - RETAINED BY HULL) i

Sample Condition Upon Receipt

Face Analytical Client Name:	401	AE	550C	Project # <u>60</u>	1267
	•			-	
Courier: Fed Ex UPS USPS Client					
Custody Seal on Cooler/Box Present:	☑ no	Seals	intact: yes	☑ no	
Packing Material: 🔲 Bubble Wrap 🔻 🔀 Bubble I	Bags 🔲 N	lone	Other		
Thermometer Used 12346ABCDF				Samples on ice, cooling	process has begun
Cooler Temperature / 1		_	mple Containers:	yes no	
Temp should be above freezing to 6°C			Comments:	Date and Initials of contents: //)	person examining
Chain of Custody Present:	Øyes □No	□N/A	1.	<u></u>	
Chain of Custody Filled Out:	ĽYes □No	□n/a	2.		<u> </u>
Chain of Custody Relinquished:	☑Yes □No	□n/a	3.		
Sampler Name & Signature on COC:	Pres □No	□n/a	4.	<u> </u>	.
Short Hold Time Analysis (<72hr):	□Yes ☑No	□N/Å	5.		
Rush Turn Around Time Requested:	□Yes ☑No	□n/a	6.		
Containers Intact:	Yes □No	□n/a	7.		
Sample Labels match COC:	Zives □No	□n/a	8.		
-Includes date/time/ID/Analysis All containers needing preservation have been pH checked?		□n/a	9.		
exceptions: VOA, colliform, TOC, O&G, WI-DRO (water) All containers needing preservation are found to be in compliance with EPA recommendation.	Øes □No	□n/a			
Headspace in VOA Vials (>6mm):	□Yes □No	□n/a	10.		
Trip Blank Present:	Yes □No	□n/a	11.		
Trip Blank Custody Seals Present	□¥es □No	□n/a	Market file of the Adam and a contract of the		
Project Manager Review	Angele (5 fil. desert) Angele (1 fil. desert)				
Samples Arrived within Hold Time:	Yes □No	□n/a	12.		
Sufficient Volume:	Yes □No	□n/a	13.		
Correct Containers Used:	ŻYes □No	□n/a	14.		
Client Notification/ Resolution:				Field Data Required?	Y / N
Person Contacted:		_ Date/	Time:		
Comments/ Resolution:					
			<u> </u>		
	. .				
-					
i./		/	,		
1/_					101:
Project Manager Review:	1/1/)	Hw	117-	Date: <i>((</i>	19/10

Sample Container Count

Pace Analytical

CLIENT: GUM & MSSOC.

COC PAGE / of 3

COC ID#

Project # GD 43467

Comments DG9H AG1U WGFU R 4/6 BP2N BP2U BP2S BP3N BP3U BP3S AG3S AG1H e colorece cacelace Sample Line Item 10 12 4 5 9 1~ ∞ Φ)

Container Codes			
DG9H 40mL HCL amber voa vial	AF Air Filter	BP1N 1 liter HNO3 plastic	DC0D 40-1 TOB
AG1U 1liter unpreserved amber glass	AG1H 1 liter HCL amber glass	BP1S 1 liter H2SO4 plactic	DOSC 40m. ISP amber vial
WGFU 4oz clear soil jar	AG1S 1 liter H2SO4 amber glass	BP411 1 liter impressored alastic	DGSS 40mL HZSO4 amber vial
R terra core kit	AG1T 1 liter Na Thiosulfate amber of	RP17 1 ifter NoOu 2. A.	
BP2N 500mL HNO3 plastic	AG2N 500mL HNO3 amber class	BP24 500ml NaOLI Acc Acid at a state of the	DG9U 40mL unpreserved amber vial
BP2U 500mL unpreserved plastic	AG2S 500mL H2SO4 amber class	BP20 S00ml NoOU place	Wipe/Swab
BP2S 500mL H2SO4 plastic	AG2U 500mL unpreserved amber da	RP27 SOOM NOUL 72 A	JGFU 402 unpreserved amber wide
BP3N 250mL HNO3 plastic	AG311 250ml unpresented ember als	DESA SES TOURIL NAON, ZII AC	U Summa Can
BP3U 250ml innreserved plastic	DOALL A ILL. III)	BP3A Z50mL NaOh, Asc Acid plastic	VG9H 40mL HCL clear vial
	DOIN INTERMIT Clear glass	BP3C 250ml. NaOH plastic	VG9T 40mL Na Thio. clear vial
S SEOTIL TISSOF PRINCE	BG1S 1 liter H2SO4 clear glass	BP3Z 250mL NaOH, Zn Ac plastic	VG9U 40mL unpreserved clear vial
ACAS A THE HASON glass amber	BG1T 1 liter Na Thiosulfate clear gla	C Air Cassettes	VSG Headsnace sents visi & LD
AGIS Lifter HZSO4 amber glass	BG1U 1 liter unpreserved glass	DG9B 40ml. Na Bisulfate amber vial	WGFX 402 wide jar w/hexane wine
or to thiel unpreserved plastic	BP1A 1 liter NaOH, Asc Acid plastic	DG9M 40mL MeOH clear vial	ZPI C. Zinloc Ban

Sample Container Count

Pace Analytical

CLIENT: HULLY SOC

COC 10#

Project # Gンサンレフ

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	Comments											
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PED3N PED311 PE	De la No la									***************************************		
BP2N RP211 RP2S												
DG9H AG1U WGFU R 4/6 BP2N BP211 BP2S	6	7	56	-6	<u>c6</u>	5	6	6	do			
Sample Line Item DG9H AC	7-	2	33	4	5	9	7	8	O	10	7	12
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		DG9P 40mL TSP amber vial	DG9S: 40ml H2SO4 amberial	TOTAL STATE OF THE		40mL unpreserved amber vial	Wineforms	wipe/swap	JGFU 4oz unpreserved amber wide		Summa Can	MODY AND LOS	אסיוור חסר כפש אומו	VG9T 40ml. Na Thio. clear vial	40ml	Acon tolling unpreserved clear vial	Headsnace senta vial & HCI	יייי ייייייייייייייייייייייייייייייייי	WGFA 402 WIGE Jar Whexane wipe	ZPLC Ziploc Bag
		50	DG98	2	200	7690 -			- JEE	-	0	אַטָּטָאַ		VG9T	יוסטי/	200	VSG	71015	75	ZPLC
	BD4N 4 the UNO production	I liter LINOS plastic	1 liter H2SO4 plastic	BP111 1 liter unpresented plactic	A 122 MILDING MASIN	Dr 12 1 litter NaOH, Zn, Ac	BP2A 500mL NaOH Asc Acid plastic	המטוק היים היים היים הומסור	BPZU SUUML NaOH plastic	BP27 500ml NaOH 75. Ac	מסוור ואסטו, בוו אר	BP3A 250mL NaOh, Asc Acid plastic		DESC ZOUML NACH Plastic	BP3Z 250ml NaOH Zn Ac plastic	anonid as the first service of	C Air Cassettes	DG9B 40ml Na Bisulfate ambasi.	TOTHE NA DISCHIALE ATTICET VIA	UG9M 40mL MeOH clear vial
	PD4N	ב ב	BP1S	BP11	2,00	71 10	BP2A	5	BP20	BP27	1	BP3A	0	אַכּידַם	BP3Z	(כ	ngap		DG9M
	AF Air Filter		AG1H 1 liter HCL amber glass	AG1S 1 liter H2SO4 amber glass	AG1T 1 liter Na Thiosuffate ambor at	יייכי יים ווויססחומום מונוספו חו	AGZN 500mL HNO3 amber glass	AG2S 500ml H2COA combos class	Sound 112004 altiper glass	AG2U 500mL unpreserved amber of a		AG3U 250mi, unpreserved amber gla	RG1H 1 liter HCI clear along	III I IOF OICEI BIESS	BG1S 1 liter H2SO4 clear glass	1 litor No Thissailfate	con a men ma consulate clear dia	BG1U 1 liter unpreserved glass	:	DE LA LINE MACH, ASC ACIO DIASTIC
	AF			AG1S	AG1T		AGZN	AGOS		AG2U	200	AGSU	E T		BG1S	BC1T	2	BG1U	D01A	2
Container Codes	DG9H 40mL HCL amber voa vial	4 literatura proposacione de la contractione de la	incer unpreserved amber glass	4oz clear soil jar	R terra core kit	COOm HAIDS A STATE OF	DE ZIA DOUILL TINOS PIRSTIC	500mL unpreserved plastic		SUUML HZSO4 plastic	BP3N 250ml HNO2 plostic	בייוויב וואסט טומפוני	250mL unpreserved plastic	250ml 112004 -1- 12	Dras zouril HzsQ4 plastic	AG3S1 250mL H2SO4 class amber 1	in a company of the c	1 liter H2SO4 amber glass	BP1U 1 liter unpreserved plasfic	Oronic pas specialism
	H650	11×00		WGFU	œ	NCOO	חביות	BP2U	0000	27.70	RP3N	5	BP3U	2000	3	AG3S	(AGIS	BP1U	

Sample Container Count

CLIENT: 1404) STRSOC COC PAGE 3 a?

Project # 50432687

DG9H AG1U WGFU R 4/6 BP2N BP2U BP2S BP3N BP3U BP3S AG3S AG1H

Sample Line Item

Face Analytical

Comments

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															Ocop 40ml Teb contraction			OG91 40IIIL Na I IIIO amber viai	Wine/Swah	JGFU 40z unpreserved amber wide	Summa Can		40mi Na Thio clearwing	40m unpresented along tipl	VSG Headenane cente viol 8 LOS	And wide in withouses with	ZPLC Ziploc Bag
				-						-	-				9000	2000	T050	1000		JGFU	כ	VG9H	VG9T	VG911	VSG	XJUM.	ZPLC
															1 liter HNO3 plastic	BP1S 1 liter H2SO4 plastic	1 liter unbreserved plastic	1 liter NaOH, Zn. Ac	500mt NaOH, Asc Acid plastic	BP20 500mL NaOH plastic	BP2Z 500mL NaOH, Zn Ac	BP3A 250mL NaOh, Asc Acid plastic	BP3C 250mL NaOH plastic	BP3Z 250mL NaOH. Zn Ac plastic	C Air Cassettes	DG9B 40ml. Na Bisulfate amber vial	DG9M 40mL MeOH clear viat
															BP1N	BP1S	BP1U	BP1Z	BP2A	BP20	BP2Z	BP3A	ВРЗС	BP3Z	Ö	DG9B	DG9M
															Air Filter	1 liter HCL amber glass	1 liter H2SO4 amber glass	1 liter Na Thiosulfate amber gl	500mL HNO3 an	500mL H2SO4 amber glass	500ml, unpreserved amber gla	AG3U 250mL unpreserved amber gla	1 liter HCL clear glass	1 liter H2SO4 clear glass		BG1U 1 liter unpreserved glass	BP1A 1 liter NaOH, Asc Acid plastic
_															AF	AG1H	AG1S	AG1T	AG2N	AG2S	AGZU	AG3U	ВС1Н	BG1S	BG1T	BG1U	BP1A
1	đ	6	ds	d		3								Container Codes	40mL HCL amber voa 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
1	2	33	4	ıc	5	9	7	Ø	σ	0	10		12	1	H69G	AG10	WGFU	<u>0</u> 2	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1S	BP1U



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







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





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







ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042509

Percent Moisture

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

8.2 %

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 1700 mg/kg 2.1 10/18/10 00:00 10/19/10 00:06 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

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Date: 10/20/2010 03:14 PM





10/18/10 14:55



ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042509

Percent Moisture

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

6.4 %

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 1930 mg/kg 2.0 10/18/10 00:00 10/19/10 00:23 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

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Date: 10/20/2010 03:14 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042509

Percent Moisture

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

8.8 %

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 403 mg/kg 2.0 10/18/10 00:00 10/19/10 00:29 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042509

Percent Moisture

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

7.4 %

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 10.7 mg/kg 2.2 10/18/10 00:00 10/19/10 00:34 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

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Date: 10/20/2010 03:14 PM

REPORT OF LABORATORY ANALYSIS

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10/18/10 14:55



ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042509

Percent Moisture

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

7.4 %

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 1700 mg/kg 2.1 10/18/10 00:00 10/19/10 00:57 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

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REPORT OF LABORATORY ANALYSIS





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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042509

Percent Moisture

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

7.7 %

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 1160 mg/kg 2.1 10/18/10 00:00 10/19/10 01:03 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

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Date: 10/20/2010 03:14 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042509

Percent Moisture

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

9.3 %

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 1190 mg/kg 2.1 10/18/10 00:00 10/19/10 01:08 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

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Date: 10/20/2010 03:14 PM

REPORT OF LABORATORY ANALYSIS

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Project: SBI059 Pace Project No.: 5042509

Percent Moisture

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

9.8 %

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 280 mg/kg 2.2 10/18/10 00:00 10/19/10 01:14 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

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Date: 10/20/2010 03:14 PM

REPORT OF LABORATORY ANALYSIS

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10/18/10 14:56



ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042509

Percent Moisture

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

9.5 %

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 44.6 mg/kg 2.1 10/18/10 00:00 10/19/10 01:20 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

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Date: 10/20/2010 03:14 PM

REPORT OF LABORATORY ANALYSIS





QUALITY CONTROL DATA

Project: SBI059
Pace Project No.: 5042509

Lead

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 Reporting Result Limit Analyzed Qualifiers

mg/kg ND 2.0 10/19/10 08:38

LABORATORY CONTROL SAMPLE: 496116

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 496117 496118

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 496119 496120

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 496121 496122

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

Date: 10/20/2010 03:14 PM





Qualifiers



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

5042509001 Dup Max
Parameter Units Result RPD RPD

Percent Moisture % 8.2 8.2 .1 5

SAMPLE DUPLICATE: 496315

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

Date: 10/20/2010 03:14 PM REPORT OF LABORATORY ANALYSIS

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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

Date: 10/20/2010 03:14 PM

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.



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CHAIN OF & associates, inc.	CHAIN OF CUSTODY RECORD	RD //M/S	PAGE OF L
Continuidation Cont	☐ Toledo, OH 3401 Glendale Ave. 3401 Glendale Ave. Suite 300 Flower, OH 43614 Flower, (419) 385-5487 Flower, (419) 385-5487 Flower, (419) 885-5487		ANALYSES
AMPLETYPES A-AR C-ASSESTOS PRESERVATIVES METALS		pasting!	
	>\ \		COMMENTS
: 500-201 : \$00-cx	X 0251 01		/00 -
: 4/2-05:	722 X		-00)
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: 52-23A : 5005-020	× 225/		1965
: 52-25 :			700-
1 : 34-94 : 5020-020 V	X 2552 X		Jan_
1 :035-94(0y):	x 525		* Duglicate 1209
1101 1 2 020-0205: 24-05:	X - hit of 51/61		
:82			
01/9//01	0/17/101	Deliver To:	
RECEIVED BY:	6.9	Method of Delivery:	
DEI INCHIEGLED BV. RECEIVED FOR LAB RV.		Airbill Number:	202
DATE:	DAIE:	NOTES:	
COOLER TEMPERATURE / 2 °C WHITE - LAB USE (MUST BE YELLOW - LAB USE (MUST BE YELLOW - LAB USE PINK - RETAINED BY HULL	RETURNED WITH REPORT)	TURN AROUND TIME: 3/4	DAYS

Sample Condition Upon Receipt Face Analytical Client Name: _ Project # 5042-509 Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other Tracking #: yes no no Seals intact: ☐Bubble Bags ☐ None ☐ Other Packing Material: Bubble Wrap Samples on ice, cooling process has begun Type of Ice: Whet Blue None 12346ABCDE Thermometer Used ☐ yes Cooler Temperature Ice Visible in Sample Containers: Temp should be above freezing to 6°C Date and Initials of person examining contents: 10-16-10 Comments: ŽÎYes □No □N/A 1. Chain of Custody Present: □N/A 2. ØYes □No Chain of Custody Filled Out: DrYes □No □N/A 3. Chain of Custody Relinquished: ☑Yes ☐No □N/A 4. Sampler Name & Signature on COC: ☐Yes ☑No □n/a Short Hold Time Analysis (<72hr): ☑Yes □No □N/A 6. Rush Turn Around Time Requested: ⊠Yes □No □n/a Containers Intact: ŹYes □No □N/A Sample Labels match COC: -Includes date/time/ID/Analysis All containers needing preservation have been pH checked? □Yes □No ØN/A 9. exceptions: VOA, coliform, TOC, O&G, WI-DRO (water) All containers needing preservation are found to be in □Yes □No □N/A compliance with EPA recommendation. ☑N/A 10. ∐Yes □No Headspace in VOA Vials (>6mm): □Yes ✓ No □N/A 111. Trip Blank Present: □n/A □Yes □№ Trip Blank Custody Seals Present Project Manager Review XYes □No □N/A 12. Samples Arrived within Hold Time: DXYes □No □N/A 13. Sufficient Volume: /□/Mes □No □N/A Correct Containers Used: Field Data Required? Client Notification/ Resolution: Date/Time: Person Contacted: Comments/ Resolution: Date: **Project Manager Review:**

Sample Container Count

CLIENT: W. J. SACC) jo COC PAGE (

Project # 504)

DG9H AG1U WGFU R 4/6 BPZN BP2U BP3S BP3U BP3S AG3S AG1H

Sample Line Item

COC 10#

													٠													
Comments														40mL TSP amber vial	40mL H2SO4 amber vial	40mL Na Thio amber vial		Wipe/Swab	4oz unpreserved amber wide	Summa Can	VG9H 40mL HCL clear vial	40mL Na Thio. clear vial	VG9U 40mL unpreserved clear vial	Headspace septa vial & HCL	4oz wide jar w/hexane wipe	ZPLC Ziploc Bag
										-				DG9P	DG9S	DG9T	DG90	_	JGFU	כ	VG9H	VG9T	VG9U	VSG	WGFX	ZPLC
AG3S AG1H														1 liter HNO3 plastic		4	1 liter NaOH, Zn, Ac	500mL NaOH, Asc Acid plastic		500mL NaOH, Zn Ac	BP3A 250mL NaOh, Asc Acid plastic	250mL NaOH plastic	250mL NaOH, Zn Ac plastic	Air Cassettes	DG9B 40ml. Na Bisulfate amber vial	40ml, MeOH clear vial
BP3S														BP1N	BP1S	BP1U	BP1Z	BP2A	BP20	BP2Z	BP3A	ВРЗС	BP3Z	၁	DG9B	DG9M
BP2U BP2S BP3N BP3U														Air Filter	1 liter HCL amber glass	1 liter H2SO4 amber glass	1 liter Na Thiosulfate amber gl	500mL HNO3 amber glass	AG2S 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
BP2N									-					AF	AG1H	AG1S	AG1T	AG2N	4G2S	AG2U	AG3U		BG1S	BG1T		BP1A
DG9H AG1U WGFU R 4/6 E	6	(T)	C	x b	70	CO	0	70					Container Codes	i	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
ltem	-	2	3	ক	5	9	7	8	6	10	11	12		Н690	AG1U	WGFU	8	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1S	BP1U



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









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





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





10/18/10 14:45



ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042511

Percent Moisture

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

6.0 %

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 5.0 mg/kg 2.0 10/18/10 00:00 10/19/10 01:25 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1







Project: SBI059 Pace Project No.: 5042511

Percent Moisture

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

6.2 %

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 23.4 mg/kg 2.1 10/18/10 00:00 10/19/10 02:05 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

10/18/10 14:45

Date: 10/20/2010 02:52 PM

REPORT OF LABORATORY ANALYSIS





10/18/10 14:45



ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042511

Percent Moisture

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

3.7 %

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 10.6 mg/kg 2.0 10/18/10 00:00 10/19/10 02:11 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1







Project: SBI059 Pace Project No.: 5042511

Percent Moisture

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

5.2 %

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 4.4 mg/kg 2.1 10/18/10 00:00 10/19/10 02:16 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

10/18/10 14:46

Date: 10/20/2010 02:52 PM

REPORT OF LABORATORY ANALYSIS

Page 7 of 11







Project: SBI059 Pace Project No.: 5042511

Percent Moisture

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

2.8 %

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 2.1 mg/kg 1.9 10/18/10 00:00 10/19/10 02:22 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

10/18/10 14:46



Qualifiers



QUALITY CONTROL DATA

SBI059 Project: 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

Blank

Reporting

Limit Parameter Units Result Analyzed

ND 2.0 10/19/10 08:38 Arsenic mg/kg

LABORATORY CONTROL SAMPLE: 496116

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 496117 496118

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 496119 496120

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 496122

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







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

 Percent Moisture
 Units
 5042284001 Result Result
 Dup Result
 Max RPD
 Max RPD
 Qualifiers

 13.7
 13.7
 13.7
 1
 5

SAMPLE DUPLICATE: 496249

5042477001 Dup Max RPD RPD Parameter Units Result Result 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

Date: 10/20/2010 02:52 PM

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

nelac

MAGE 1 OF 1	ANALYS)154h	COMMENTS	100 -	\$00-1	500					W CX	IME: \(\sum_{\ell} \frac{1}{\ell} \right(\text{DAYS} \)
CORD	PRESERVATIVES	9							,	Method of Delivery:	NOTES:	TURN AROUND TIME:
CHAIN OF CUSTODY RECORD	December 2012 December 2013 December 2014 December 2015 December 201	A-AR A-AR	TT. METALS COLLECTION DATE/TIME	2 V 10/13/19/14 X		× 32h / / / /				NOTES SONS TIME: 30:44 RECEIVED BY: DATE:	RECEIVED FOR LAB BY: DATE: TIME:	DISTRIBUTION: WHITE - LAB USE (MUST BE RETURNED WITH REPORT) YELLOW - LAB USE PINK - RETAINED BY HULL
& associates, inc.	Dublin, OH 6397 Emerald Parkway 6390 E. 75th St. 8400 Parkway Dr. Suite 200 Suite 200 Suite 176 Suite 176 Suite 100 Suite 170 Suite 100 Suite 170 Suite 100 Suite 100 Suite 170 Suite 100 Suite 170 Suite 1	North OF Suth North Sita Silosa Phase:	CT SAMPLE SAMPL	5005: 50-w2: P20182	: 812-a2 : :85-9 :502 -020	ora-oras: 201-52:			RELINQUISHED BY: // DATE: 10/16/10	RELINQUISHED BY: DATE: TIME: OU !!	RELINQUISHED BY: DATE: TIME:	COOLER TEMPERATURE / , } °C

Sample Condition Upon Receipt Face Analytical Client Name: Ho Project # 50 425 Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other Tracking #: Custody Seal on Cooler/Box Present: ves no Seals intact: yes no Packing Material: Bubble Wrap Bubble Bags Done Other Thermometer Used 1.2.346ABCDE Type of Ice: Wet Blue None Samples on ice, cooling process has begun **Cooler Temperature** yes Ice Visible in Sample Containers: Temp should be above freezing to 6°C Date and Initials of person examining contents: イクール・ノの人 Comments: Chain of Custody Present: ØYes □No □N/A 1. Chain of Custody Filled Out: ÆTÝes □No □N/A 2. √Yes □No Chain of Custody Relinquished: □N/A 3. ____Yes □No Sampler Name & Signature on COC: □n/a: Short Hold Time Analysis (<72hr): □Yes_**□**No □n/a Rush Turn Around Time Requested: ضes □No □N/A 6. 1∐Yes □No Containers Intact: □N/A ÆlYes □No Sample Labels match COC: □n/a -Includes date/time/ID/Analysis All containers needing preservation have been pH checked? □Yes □No □N/A 9. exceptions: VOA, coliform, TOC, O&G, WI-DRO (water) All containers needing preservation are found to be in ☐Yes ☐No _**2**47/A compliance with EPA recommendation. □Yes □No ☑N/A Headspace in VOA Vials (>6mm): ☐Yes ☐No Trip Blank Present: □n/a ☐Yes ☐No Trip Blank Custody Seals Present □N/A Project Manager Review Samples Arrived within Hold Time: .TYes □No □N/A 12. Sufficient Volume: K Yes □No □N/A 13. □n/a Correct Containers Used: ØYes □No Client Notification/ Resolution: Field Data Required? Person Contacted: Date/Time: Comments/ Resolution: **Project Manager Review:** Date:

Sample Container Count

CLIENT: HUN+ 4550C

COC PAGE / of /

COC 10#

S 9

Pace Analytical Comments DG9H AG1U WGFU R 4/6 BP2N BP2U BP2S BP3N BP3U BP3S AG3S AG1H Project # 97457 | 2000 Sample Line Item

10

 ∞ တ Ξ 12

	Container Codes						
H65Q	DG9H 40mL HCL amber voa vial	AF	AF Air Filter	BP1N	BP1N 1 liter HNO3 plactic	2000	
AG10	1liter unpreserved amber glass	Į.	AG1H 1 liter HCI amher place	0,00	A fite-110004	200	Down 40mL ISP amber vial
WGFU	407 clear coil iar		September 1999	2	prio iller HZSO4 plastic	0698	DG9S 40mt H2SO4 amber vial
5	TOE CICAL SOIL JAI	700	AG15 1 litter H2SO4 amber glass	BP1U	BP1U 1 liter unpreserved plastic	DG9T	DG9T 40ml Na Thio amber was
x	K terra core kit	AG1T	AG1T 1 liter Na Thiosulfate amber of	BP1Z	BP1Z 1 liter NaOH Zn Ac	1000	And the district of the state o
BP2N	500mL HNO3 plastic	AGZN	AG2N 500mL HNO3 amber glass	RD2∆	BP2A 500ml N2OLL Acc Acid all all	0000	40mL unpreserved amber vial
BP2U	BP2U 500mL unpreserved plastic	AGSS	AG28 S00ml H2804 amt		South trace, Asc Acid plastic		wipe/swab
0000		2000	Journal Fig. Oct arriber glass	BFZO	BFZU 500mL NaOH plastic	JGFU	JGFU 4oz unpreserved amber wide
27.70	SUUML HZSO4 plastic	AG2U	AG2U 500mL unpreserved amber gla	BP2Z	BP2Z 500mi NaOH Zn Ac	-	
BP3N	BP3N 250mL HNO3 plastic	AC311	OFOm Improved			5	
1300		2	Took south utipleserved amber gla	BH3A	BP3A 250mL NaOh, Asc Acid plastic	YG9H	VG9H 40ml HCl clear vial
BP3U	BH3U 250mL unpreserved plastic	BG1H	BG1H 1 liter HCL clear glass	BP3C	BP3C 250ml NaOH plastic	too	
BP3S	BP3S 250mL H2SO4 plastic	RG1S	BG1S 1 liter H2SO4 close class	200	בספוור ואסטון אומסוור	1857	40mL Na I nio. clear viai
A C 26	, , , , , , , , , , , , , , , , , , , ,		ייני וובטכין כופמו קומטי	DF 32	BP32 Z50mL NaOH, Zn Ac plastic	\ <u>0</u> 69\	VG9U 40mL unpreserved clear vial
AGSS	AGSS ZSUML HZSO4 glass amber	BG1T	BG1T 1 liter Na Thiosulfate clear gla	O	C Air Cassettes	787	VSC Hoodespace Contraction
AG1S	AG1S 1 liter H2SO4 amber glass	BG10	BG1U 1 liter unpreserved glass	DG9B	DG9B 40ml Na Bisulfate ambernial	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Teauspace septa vial & TCL
BP1U	BP1U 1 liter unpreserved plastic	BP1A		2000	IRIA IOGUIA CARINGIA DE LA CARINGIA	, VLD	WOLA 402 Wide Jar Winexane Wipe
			חופשות חישר שפר יו וששוו ושייו	חפאואו	DOSIM 40ML MeOH clear vial	ZPLC ;	ZPLC Ziploc Bag



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

Wich Mayor

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







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





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







Project: SBI059 Pace Project No.: 5042545

Percent Moisture

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

8.8 %

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 30.8 mg/kg 2.2 10/19/10 00:00 10/21/10 00:03 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

10/19/10 15:39

Date: 10/21/2010 09:17 AM

REPORT OF LABORATORY ANALYSIS







Project: SBI059 Pace Project No.: 5042545

Percent Moisture

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

3.9 %

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 78.2 mg/kg 2.0 10/19/10 00:00 10/21/10 00:43 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

10/19/10 15:40

Date: 10/21/2010 09:17 AM

REPORT OF LABORATORY ANALYSIS

Page 5 of 21





10/19/10 15:40



ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042545

Percent Moisture

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

5.5 %

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 252 mg/kg 2.1 10/19/10 00:00 10/21/10 00:48 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 10/21/2010 09:17 AM

REPORT OF LABORATORY ANALYSIS

Page 6 of 21







Project: SBI059 Pace Project No.: 5042545

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

27B:S0050210A

Results reported on a "dry-weig	ght" basis							
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Me	thod: EPA 601	0 Preparation Me	hod: EF	PA 3050			
Arsenic	172 m	ng/kg	1.9	1	10/19/10 00:00	10/21/10 00:54	7440-38-2	
Percent Moisture	Analytical Me	thod: ASTM D	2974-87					
Percent Moisture	4.7 %	, 0	0.10	1		10/19/10 15:40		

Date: 10/21/2010 09:17 AM







Project: SBI059 Pace Project No.: 5042545

Percent Moisture

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

4.5 %

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 542 mg/kg 2.1 10/19/10 00:00 10/21/10 01:00 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

10/19/10 15:40

Date: 10/21/2010 09:17 AM

REPORT OF LABORATORY ANALYSIS

Page 8 of 21







Project: SBI059 Pace Project No.: 5042545

Percent Moisture

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

5.6 %

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 142 mg/kg 2.0 10/19/10 00:00 10/21/10 01:06 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

10/19/10 15:40

Date: 10/21/2010 09:17 AM







Project: SBI059 Pace Project No.: 5042545

Percent Moisture

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

7.1 %

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 163 mg/kg 2.2 10/19/10 00:00 10/21/10 01:11 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

10/19/10 15:40

Date: 10/21/2010 09:17 AM

REPORT OF LABORATORY ANALYSIS

Page 10 of 21







Project: SBI059 Pace Project No.: 5042545

Percent Moisture

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

33.2 %

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 11.0 mg/kg 2.5 10/19/10 00:00 10/21/10 01:34 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

10/19/10 15:40

Date: 10/21/2010 09:17 AM

REPORT OF LABORATORY ANALYSIS

Page 11 of 21







Project: SBI059 Pace Project No.: 5042545

Percent Moisture

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

8.5 %

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 17.7 mg/kg 2.2 10/19/10 00:00 10/21/10 01:40 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

10/19/10 15:41

Date: 10/21/2010 09:17 AM

REPORT OF LABORATORY ANALYSIS





10/19/10 15:41



ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042545

Percent Moisture

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

8.6 %

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 7.3 mg/kg 2.0 10/19/10 00:00 10/21/10 01:46 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 10/21/2010 09:17 AM

REPORT OF LABORATORY ANALYSIS

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10/19/10 15:41



ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042545

Percent Moisture

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

8.4 %

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 9.3 mg/kg 2.0 10/19/10 00:00 10/21/10 01:52 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 10/21/2010 09:17 AM

REPORT OF LABORATORY ANALYSIS







Project: SI

SBI059

Pace Project No.:

5042545

Sample: SBI059:BS-13B:S020020

Results reported on a "dry-weight" basis

Parameters R

Lab ID: 5042545012

Results

Collected: 10/18/10 10:55

Report Limit

Received: 10/19/10 10:51

Prepared

Matrix: Solid

Matrix. Soliu

CAS No.

Qual

6010 MET ICP

Analytical Method: EPA 6010 Preparation Method: EPA 3050

Units

Arsenic

5.3 mg/kg

1.8

DF

1

10/19/10 00:00 10/21/10 01:57 7440-38-2

Percent Moisture
Percent Moisture

Analytical Method: ASTM D2974-87

6.8 %

0.10

10/19/10 15:41

Analyzed

Date: 10/21/2010 09:17 AM

REPORT OF LABORATORY ANALYSIS

Page 15 of 21







Project: SBI059 Pace Project No.: 5042545

Percent Moisture

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

12.5 %

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 6.6 mg/kg 1.9 10/19/10 00:00 10/21/10 02:03 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

10/19/10 15:41

Date: 10/21/2010 09:17 AM

REPORT OF LABORATORY ANALYSIS

Page 16 of 21







Project: SBI059 Pace Project No.: 5042545

Percent Moisture

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

12.7 %

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 27.3 mg/kg 2.1 10/19/10 00:00 10/21/10 02:09 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

10/19/10 15:41

Date: 10/21/2010 09:17 AM

REPORT OF LABORATORY ANALYSIS

Page 17 of 21







Project: SBI059 Pace Project No.: 5042545

Percent Moisture

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

8.9 %

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 9.6 mg/kg 2.1 10/19/10 00:00 10/21/10 02:15 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

10/19/10 15:41

Date: 10/21/2010 09:17 AM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

SBI059 Project: Pace Project No.: 5042545

QC Batch: MPRP/6548 Analysis Method: EPA 6010 QC Batch Method: EPA 3050 Analysis Description: 6010 MET

5042545001, 5042545002, 5042545003, 5042545004, 5042545005, 5042545006, 5042545007, 5042545008, Associated Lab Samples:

5042545009, 5042545010, 5042545011, 5042545012, 5042545013, 5042545014, 5042545015

METHOD BLANK: 496700 Matrix: Solid

5042545001, 5042545002, 5042545003, 5042545004, 5042545005, 5042545006, 5042545007, 5042545008, Associated Lab Samples:

5042545009, 5042545010, 5042545011, 5042545012, 5042545013, 5042545014, 5042545015

Analyzed

Blank Reporting Parameter Units Result Limit Qualifiers

Arsenic mg/kg ND 2.0 10/20/10 23:51

LABORATORY CONTROL SAMPLE: 496701

LCS LCS Spike % Rec Parameter Units Conc. Result % Rec Limits Qualifiers 80-120

102 50 51.2 Arsenic mg/kg

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 496702 496703

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

Date: 10/21/2010 09:17 AM







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

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

SAMPLE DUPLICATE: 496739

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

Date: 10/21/2010 09:17 AM REPORT OF LABORATORY ANALYSIS

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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

Date: 10/21/2010 09:17 AM

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.

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PAGE ____ OF ____

JASES STUS JONARY, N		AS RECEIVED: O: DISTRIBUTION: WHITE - LAB USE (MUST BE RETURNED WITH REPORT) YELLOW - LAB USE	TIME: RECEMENT OF TAKE: LO G C C C C C C C C C	TIME	RELINQUISHED BY: DATE: RECEIVED BY: DATE: Method of Delivery:	TIME: 1856	DATE: 19/10/1/2 RECEIVED BY:	-138: W .: 881-	V-	X thoi/ 1 020 - 020 : 81-58:	:5w-273 : \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	1 x cfc; / : 862-m5:	× 820) : 615-m2:	: 5-25-w?: X -25-w?:	020	: 50-278 De : 1012 X	-50-27B: /1010 X	Silosy : 5m-248: 5005-020 2 V 19/18/10/1000 X	PROJECT SAMPLE SAMPLE NO. OF NO. OF LOCATION TYPE & ID CONT. METALS COLLECTION DATE/TIME	G-HCLpH<2 Bpt at 4 degrees Celstrs.	Ct #: 58\059\ Phase: Product E-Model #P12 P-PRODUCT E-Model #P12	Notificial President C-1780's b-H00's	Client: City of South Bend Supre Types Preservatives METALS A-COMONY of dog C F-FILTERED	REPORT TO: Dogg Showt	50 Mason, OH 45040 Solon, OH 44139 58 Phone: (513) 459-9677 Phone: (440) 519-2550 Fax: (513) 459-9869 Fax: (440) 519-2560	□ Indianapolis, IN □ IMason, OH 6330 E. 78th St. 4900 Parkway Dr. Suite 176 Suite 100	& associates, inc.	
	DAYS	2//		er.	belivery:						2					* Distinct			Chachach (2) / / / / Chachach (2) / / / / Chachach (2) / / Chachach (2) / Chachac						ANALYSES	ŕ	NO.	

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CHAIN OF CUSTODY RECORD

PAGE 2 OF 3

		8	18 2062 2384	8218 JOSEP (M
TURN AROUND TIME: // / DAYS	F			
2/4	- LAB USE (MUST BE RETURNED WITH REPORT)	DISTRIBUTION: WHITE - LAB USE (MUST E	% 8.0	AS RECEIVED:
NOTES:	TIME: { S i	RECEIVED OF A CANADA	DATE: TIME:	RELINQUISHED BY:
Airbill Number	<u> </u>		TIME:	
Method of Delivery:	DATE:	RECEIVED BY:		RELINQUISHED BY:
Deliver To:	TIME:		1356	The holy hough
	747	RECEIVED BY:	DATE: (8/1/9/1/)	RELINQUISHED BY:
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Not Needed.		1	: Try Black	
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) IIIO		<u> </u>	251-58:
	X 8011	2 V rofigite	: 5020-020	341-58: 150185
Charles Charle		NO. OF METALS	SAMPLE TYPE & ID	PROJECT SAMPLE NO. LOCATION
	HERS G-HCL pH <2 HERS G-HCL pH <2 All semples are kept at 4 degrees Celsius.	Z-OTHERS All samples are to	w. Jirt	مادرا
		P- PRODUCT S- SOIL	Phase:	Ω #
	B-HNO ₃ pH-2 C-H ₂ SO ₄ pH-2 METALS F-RITERED B-NOT FITERED B-BOTH C-H ₂ SO ₄ pH-2 B-BOTH	A-AR A-ASBESTOS D-SEDIMENT G-GROUNDWATER	South Bend	client: City of
		DALLE TARRE	Street	REPORT TO: Dave
MINES	419) 385-2018 PRESERVATIVES	Phone: (440) 519-255 Fax: (440) 519-2560	Phone: (317) 558-0558 Phone: (513) 459-9677 Fax: (317) 558-0553 Fax: (513) 459-9869	Phone: (614) 793-8777 Phone: (3 Fax: (614) 793-9070 Fax: (317
	□ <u>Toledo. OH</u> 3401 Glendale Ave. Suite 300 Tiledo OH 43614	Solon, OH 6161 Cochran Road Suite D Solon OH 44139	□Mason, OH 4900 Parkway Dr. Suite 100 Mason, OH, 45040	
NO.			inc.	& associates, inc.
כאכ	T COULDET AND			

Sample Condition Upon Receipt

Face Analytical Client Name:	16.54	d A	rt90 (Project #	5042545
	1100(1	<u> </u>		,	
Courier: Fed Ex UPS USPS Clien	t 🗌 Comm	ercial	Pace Other		
Tracking #: <u>80 2 8 566 5 53</u> 84	,				
Custody Seal on Cooler/Box Present:	ro	Seals	intact: yes	¹⊠ no	
Packing Material: Bubble Wrap Bubble	Bags 🔲 N	None _	Other 20	rock	
Thermometer Used 12346 ABCDE	Type of Ice	:(Wet	Blue None	🗵 Samples on ice	, cooling process has begun
Cooler Temperature 0.3°C	Ice Visibl	e in Sa	mple Containers:		no
Temp should be above freezing to 6°C		٠	Comments:	Date and In	nitials of person examining
Chain of Custody Present:	Yes DNo	□n/a	1.		
Chain of Custody Filled Out:	⊿⊈Yes □No	□n/a	2.		
Chain of Custody Relinquished:	(⊠(Yes □No	□n/a	3.		
Sampler Name & Signature on COC:	Øxes □No	□n/A	4.		<u> </u>
Short Hold Time Analysis (<72hr):	□Yes ☑ko	□n/A			
Rush Turn Around Time Requested:	⊠xes □No	□n/a	6. 3/4 de	18	80
Containers Intact:	Ø Yes □No	□n/a	7.		
Sample Labels match COC:	Øyes □No	□n/a	8.		
-Includes date/time/ID/Analysis					
All containers needing preservation have been pH checked?	□Yes □No	ØN/A	9.		
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)		,			
All containers needing preservation are found to be in compliance with EPA recommendation.	□Yes □No	_ ⊠⁄v			
Headspace in VOA Vials (>6mm):	□Yes □No	₩.A	10.		
Trip Blank Present:	⊠Yes □No	□n/A	11.		•
Trip Blank Custody Seals Present	⊠Yes □No	□n/a			en en en estado estado estado en estado e
Project Manager Review		State (Fr	Average on the Personal		
Samples Arrived within Hold Time:	∑Yes □No	□N/A	12.	·	
Sufficient Volume:	XIXes □No	□N/A	13.		<u> </u>
Correct Containers Used:	X Yee □No	□n/A	14.	No. of the same of	
Client Notification/ Resolution:		.	·	Field Data Req	quired? Y / N
Person Contacted:	,	_Date/	Time:		
Comments/ Resolution:					
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		γ		·	
	1 -1	/			101011
Project Manager Review:		M	1	Date:	10/19/10

Sample Container Count

CLIENT: HULL & ASSOC.

COC PAGE 1 of 2

COC ID#

Project # 50 42545

	Item	DG9H	DG9H AG1U WGFU R 4/6 BP2N	WGFU	R 4/6		BP2U	BP2S	BP3N	BP3U BP3S	BP3S	AG3S AG1H	AG1H				.	`~mmon!	វ	
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	10	ļ 		4	ļ 															
	13			12																
	12			4									-							

Container Codes

DG9H	DG9H 40mL HCL amber voa vial	AF Air Filter	מסלאון א ויאבר נואוסס בובבי	
AG 111	Alitor increased ambounders		Di IN I INCI LINCO PIASIC	DG9P 40mL ISP amber vial
	iller dilpreserved airber glass	AG1H 1 liter HCL amber glass	BP1S 1 liter H2SO4 plastic	DG9S 40mL H2SO4 amber vial
WGFU	WGFU 40z clear soil jar	AG1S 1 liter H2SO4 amber glass	BP1U 1 liter unpreserved plastic	DG9T And Na This amborviol
R	terra core kit	AG1T 1 liter Na Thiosulfate amber of	RP17 1 Her NaOH Zn Ac	DOOL TOTAL ING THIS GRIDE VIGI
BPON	500ml HNO3 plactic	ACONI GOD-I LINIOS	200 - 100 - 144 City City City City City City City City	DOSO 4011L unpreserved amber vial
27.21	SOOTHE TIMOS PIASUC	AGZN SOUTH HNO3 amber glass	BP2A 500mL NaOH, Asc Acid plastic	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S 500mL H2SO4 amber glass	BP20 500mL NaOH plastic	JGFU 407 unpresented amber wide
BP2S	BP2S 500mL H2SO4 plastic	AG2U 500mL unpreserved amber dia	BP27 500ml NaOH Zn Ac	II Cumo Con
BP3N	250mL HNO3 plastic	AG3U 250mL unpreserved amber dia	RD3A 350ml NaOh Ass Asid sleetin	Collina Call
בם הממ	Somi unaccount state		Di ora Essine Machi, hac held plastic	VG9TI 40TIL HCL Clear Vial
	Zoulit uribleserved blasuc	BG1H 1 liter HCL clear glass	BP3C 250mL NaOH plastic	VG9T 40mL Na Thio. clear vial
5730	DF35 ZOUTIL HZSU4 plastic	BG1S 1 liter H2SO4 clear glass	BP3Z 250mL NaOH, Zn Ac plastic	VG9U 40ml unpresented clear vial
AG3S	AG3S 250mL H2SO4 glass amber	BG1T 1 liter Na Thiosulfate clear cla	C Air Cassettes	VCC Hoodeness and all a local
AG1S			The supplemental state of the supplemental s	And Treadspace septa viai & HCL
	like 112004 alliber glass	BGTU Tiller unpreserved glass	DG9B 40mL Na Bisulfate amber vial	WGFX 4oz wide jar w/hexane wipe
מלוט	BF IO I liter unpreserved plastic	BP1A 1 liter NaOH, Asc Acid plastic	DG9M 40mL MeOH clear vial	ZPLC Ziploc Bac

Sample Container Count

CLIENT: Hall & ASSOC COC PAGE 2 of 2

Project # 5045945

Sample Line <u>-></u> 5 12 ဖ œ ហ ග 4 ယ DG9H AG1U WGFU R 4/6 BP2N BP2U BP2S BP3N BP3U BP3S AG3S AG1H Ŋ b P Comments

Container Codes

ZPLC Ziploc Bag	ZPLC	DG9M 40mL MeOH clear vial	or IA] I liter NaOH, ASC ACID plastic	difpropried plants	
**CI A 402 WIDE Jai WITHEXAINE WIDE	2 2	Vi viai	:	RD111 1 lifer impression plants	201 110 110
And with in with the work	A = 5 M	DG9B 40ml Na Bisulfate ambervial	BG1U 1 liter unpreserved glass	AG 15 Inter H2SU4 amber glass	AGIO
VSG Headspace septa vial & HCL	VSG	C Air Cassettes	politi i iller Na i niosultate clear gia	4 In Libon 4	2000
4011L unpreserved clear vial	VGSO	בי שבן בשטווב ואמטוו, בוו הע טומשוני	DO11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	250ml H2SO/ place ambar	AG38
AD-1 ::::::::::::::::::::::::::::::::::::	500	BP37 250ml NaOH Zn Ac plastic	BG1S 1 liter H2SO4 clear class	BP3S 250mL H2SO4 plastic	BP3S
VG9T 40ml Na Thio clear vial	VG9T	BP3C 250mL NaOH plastic	BG1H 1 liter HCL clear glass	Zouttle unbreserved plastic	01.00
VG9H 40mL HCL clear vial	VG9H	BF3A ZOUME NaUn, ASC Acid plastic	Coo Evelin alibreserved alliber gla	OFO	0037
Califfia Calif			AG311 250ml unpresented amber de	BP3N 250ml HNO3 plastic	BP3N
Summa Can	_	BP2Z 500mL NaOH, Zn Ac	AG2U 500mL unpreserved amber gla	Dr 23 SUML H2SU4 plastic	62.70
JGFU 4oz unpreserved amber wide	JGFU	DEZU DUME NACH plastic	ACEG COOTTE TECOCH ATTION GIASS	E00-1 -1000 1 ::	DOSS
**ipc/Onab			AGOS SOOM LOSON ambas along	BP2U 500mL unpreserved plastic	BP2U
Wine/Swah		BP2A 500mL NaOH, Asc Acid plastic	AGZN 500mL HNO3 amber glass	SOUTH HINGS PLASTIC	NZJO
DG9U 40mL unpreserved amber vial	DG9U	BP1Z 1 liter NaOH, Zn, Ac	AG I I ifter Na I hiosultate amber gl	COLUMN TO THE STATE OF THE STAT	
UG91 40mL Na Thio amber vial	DG91	or to taller unpreserved plastic	A CAT A TILL OF CHILDER GROSS	terro coro bit	D
	2	BD411 1 the times and the time	AG1S 1 lifer H2SO4 amber place	WGFU 4oz clear soil jar	WGFU
DG9S 40ml H2SO4 amber vial	DG9S	BP1S 1 liter H2SO4 plastic	AG1H 1 liter HCL amber glass	iller unpreserved amber glass	70.0
DG9P 40mL TSP amber vial	UG9P	DE IN I MET HINGS PLASTIC	i w i i i i i i i i i i i i i i i i i i	4145	201
			AF Air Filter	40mL HCL amber voa vial	DG9H



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









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





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







Project: SBI059 Pace Project No.: 5042627

Percent Moisture

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

9.8 %

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 9.8 mg/kg 2.2 10/22/10 00:00 10/25/10 02:11 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

10/25/10 15:03

Date: 10/27/2010 08:35 AM







Project: SBI059 Pace Project No.: 5042627

Percent Moisture

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

11.2 %

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 15.8 mg/kg 2.2 10/22/10 00:00 10/25/10 02:17 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

10/25/10 15:03

Date: 10/27/2010 08:35 AM







ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042627

Percent Moisture

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

6.7 %

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 78.0 mg/kg 2.1 10/22/10 00:00 10/25/10 02:23 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

Date: 10/27/2010 08:35 AM







ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042627

Percent Moisture

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

8.2 %

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 236 mg/kg 2.0 10/22/10 00:00 10/25/10 02:29 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

Date: 10/27/2010 08:35 AM







ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042627

Percent Moisture

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

3.4 %

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 260 mg/kg 2.0 10/22/10 00:00 10/25/10 02:34 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

Date: 10/27/2010 08:35 AM







Project: SBI059 Pace Project No.: 5042627

Percent Moisture

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

9.5 %

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 9.5 mg/kg 2.1 10/22/10 00:00 10/25/10 02:40 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

10/25/10 15:04

Date: 10/27/2010 08:35 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042627

Percent Moisture

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

3.7 %

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 240 mg/kg 2.0 10/22/10 00:00 10/25/10 02:46 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

Date: 10/27/2010 08:35 AM

REPORT OF LABORATORY ANALYSIS

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Project: SBI059 Pace Project No.: 5042627

Percent Moisture

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

12.9 %

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 1120 mg/kg 2.2 10/22/10 00:00 10/25/10 02:51 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

10/25/10 15:04

Date: 10/27/2010 08:35 AM







Project: SBI059 Pace Project No.: 5042627

Percent Moisture

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

10.6 %

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 493 mg/kg 2.1 10/22/10 00:00 10/25/10 02:57 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

10/25/10 15:04

Date: 10/27/2010 08:35 AM







ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042627

Percent Moisture

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

11.2 %

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 306 mg/kg 2.1 10/22/10 00:00 10/25/10 03:03 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

Date: 10/27/2010 08:35 AM

REPORT OF LABORATORY ANALYSIS

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Project: SBI059 Pace Project No.: 5042627

Percent Moisture

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

9.1 %

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 7.6 mg/kg 2.0 10/22/10 00:00 10/25/10 03:26 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

10/25/10 15:05

Date: 10/27/2010 08:35 AM







Project: SBI059 Pace Project No.: 5042627

Percent Moisture

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

9.5 %

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 8.1 mg/kg 2.2 10/22/10 00:00 10/25/10 03:31 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

10/25/10 15:05

Date: 10/27/2010 08:35 AM

REPORT OF LABORATORY ANALYSIS

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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 Blank Repo

Blank Reporting
Parameter Units Result Limit Analyzed Qualifiers

Lead mg/kg ND 2.0 10/25/10 01:03

LABORATORY CONTROL SAMPLE: 497800

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 497801 497802

MS MSD 5042626001 Spike Spike MS MSD

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







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

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

SAMPLE DUPLICATE: 498767

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

Date: 10/27/2010 08:35 AM REPORT OF LABORATORY ANALYSIS

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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

Date: 10/27/2010 08:35 AM

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

REPORT OF LABORATORY ANALYSIS

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5042627

CHAIN OF CUSTODY RECORD	PAGE (OF Z
iates, inc.	NO.
Parkway 6330 E. 75th St. 4900 Parkway Dr. 6161 Cochran Road 3401 Glendale Ave. Suite 176 Suite 170 Suite	ANALYSES
Fax: (317) 558-0553 Fax: (513) 459-9869 Fax: (440) 519-2560	
SAMPLE TYPES A-AIR C-SABESTOS C-S	
LOSA Phase: Name	
PROJECT SAMPLE SAMPLE NO. OF METALS COLLECTION OF NO. OF METALS COLLECTION OF NO.	COMMENTS
2.0	(90)
1 35-11 A: * 1 1 X 1 X	۲
X 1808, 250 - 200 - 2002: A35-W3:	3
X 1181	ት
: 523-28A:	5
: 52-29 A:	9
	X
X 1261 γ 95- 575:	7 + &
X 18281 X 18281 X	8 6
	, 6 9/
1881 / 1881 / YES - ms:	0) (1
	Deliver To:
19 6 TIME:	Method of Delivery:
TIME	Airbill Number:
RECEIVED FOR LAB BY: DATE: 10/3/1/0	NOTES:
COC C BASTRIBUTION: -LAB USE (MUST BE RETURNED WITH REPORT)	
YELLOW - LAB USE PINK - RETAINED BY HULL	TURN AROUND TIME: 7/4 DAYS

CHAIN OF CUSTODY RECORD	Disolon, OH	SAMPLE TYPES	NO. OF METALS COLLECTION CONTENTS CONT. DATE: DATE: TIME COMMENTS	X 858/16261 1	ACA X and X						RECEIVED BY: Deliver To: TIME: Deliver To:	RECEIVED BY: DATE: Method of Delivery: TIME: Airbill Number:	10/2/10	DISTRIBUTION: WHITE - LAB USE (MUST BE RETURNED WITH REPORT) YELLOW - LAB USE PINK - RETAINED BY HULL TURN AROUND TIME: DAYS
CHAIN	25	A-AIR A-AIR C-ASSESTO D-SEDIMENT G-GROUNDIV G-ROUNDIV G-ROUNDIV G-SOIL W-WATER Z-OTHERS	MET/	>	+						VED BY:	ÆD BY:	VED FOR LAB BY:	" "
	NH CSOION Way Dr. 6161C 1 45040 Solon, 3) 459-9877 Phone; 459-9869 Fax: (4	Ben		-020							70	RECEN	RECEN	
	St. Ag00 Parkway Dr. Sulte 100 Mason, OH Co. Sulte 100 Mason, OH 45040 558-0558 Phone: (513) 459-9869 455.3 Fax: (513) 459-9869	South B	SAMPLE TYPE & ID	20	>						DATE: 10/20	7	DATE: TIME:	1.0000
& āssociates, inc.	Comparison	1059 1059 1282	PROJECT SAMPLE NO. LOCATION	-59 : 65	* : 05-13A :	 	•••		 ••	 	RELINQUISHED BY:	RELINQUISHED BY:	RELINQUISHED BY:	COOLER TEMPERATURE AS RECEIVED:

Sample Condition Upon Receipt Face Analytical Client Name: Project # 504 21029 Courier: Fed Ex UPS USPS Client Commercial Pace Other Tracking #: <u>872856655447</u> Custody Seal on Cooler/Box Present: yes no Seals intact: Packing Material: Bubble Wrap Bubble Bags None Other Thermometer Used 12346/ÅBCDE Type of Ice: Wet) Blue None Samples on ice, cooling process has begun Cooler Temperature Ice Visible in Sample Containers: yes Temp should be above freezing to 6°C Date and Initials of person examining Comments: contents: Chain of Custody Present: EYes DNo DN/A 1. Chain of Custody Filled Out: ☑Yes □No □N/A Chain of Custody Relinquished: ☐Yes ☐No ☐N/A Sampler Name & Signature on COC: ⊟Yes □No □N/A Short Hold Time Analysis (<72hr): □Yes □Ng - 10 N/A Pres DNo DN/A Rush Turn Around Time Requested: Containers Intact: ☐Yes ☐No ☐N/A Sample Labels match COC: ØYes □No □N/A 8. Includes date/time/ID/Analysis All containers needing preservation have been pH checked? □Yes □No .□N/A 9. exceptions: VOA, coliform, TOC, O&G, WI-DRO (water) All containers needing preservation are found to be in □Yes □No □NTA compliance with EPA recommendation. Headspace in VOA Vials (>6mm): □Yes □No □n/a Trip Blank Present: ☐Yes ☐No ₩/A Trip Blank Custody Seals Present ∐Yes □No □N/40 Project Manager Review Samples Arrived within Hold Time: D∦es ⊟No □n/a Sufficient Volume: ØYes □No □n/a 13. Correct Containers Used: ∐Yes □No □n/a Client Notification/ Resolution: Field Data Required? Person Contacted: Date/Time: Comments/ Resolution:

Date:

Project Manager Review:

Sample Container Count

11011	Lot 2	
CLIENT:	COC PAGE / o	\$5 CCC

Sampte Line Item

Project #



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	BP3S							-								
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DG9H AG1U WGFU R 4/6 BP2N BP3! BP25																
Item	~	,	1	6	4	ις	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		7	α		6	10	7	12	

100	Container Codes			
- 1	40mL HCL amber voa vial	AF Air Filter	BP1N 1 liter HMO3 plonting	
- 1	1liter unpreserved amber glass	AG1H 1 liter HCL amber plass	BD46 4 184 - 100004 - 1:	UG9P 40mL TSP amber vial
	4oz clear soil jar	AG1S 1 lifer H2SO4 amp	DEATH A THE	DG9S 40mL H2SO4 amber vial
œ	terra core kit	AG1T 1 lifer No This Act	or to 1 liter unpreserved plastic	DG9T 40mL Na Thio amber vial
BP2N	500mL HNO3 plastic	ACOM FORM UNDS	BP1Z 1 liter NaOH, Zn, Ac	DG9U 40mL unpreserved amber vial
1 "	500ml unpresented pleasing	"Occ. "Con L. DINOS amber glass	BP2A 500mL NaOH, Asc Acid plastic	Wipe/Swab
1 7	FOOT LINDON	AGZS 500mL H2SO4 amber glass	BP20 500ml. NaOH plastic	JGF[1] Anz linnrasepted ambar mids
- 1 '	JOURNE TESO Plastic	AG2U 500mL unpreserved amber gla	BP2Z 500ml NaOH 2n Ac	The second will write
- 1	BP3N 250mL HNO3 plastic	AG3U 250mL unpreserved amber ala	BD3A DEOM NEOL A	o summa can
	BP3U 250mL unpreserved plastic	BG1H 1 liter HCl clear class	BOSC SEG. M. C.	VG9H 40mL HCL clear viat
	BP3S 250mL H2SO4 plastic	RG1S 1 liter H2CO4 ofocration	Brac Zoumic NaOH plastic	VG9T 40mL Na Thio. clear vial
4	AG3S 250ml H2SO4 plass amber	DOAT A STATE OF THE STATE OF TH	BP32 250mL NaOH, Zn Ac plastic	VG9U 40mL unpreserved clear vial
	AG1S 1 liter H2SO4 ambar along	DOI 1 HET NA I MOSUITATE Clear gla	C Air Cassettes	VSG Headspace senta vial & HCI
1 4	The state of all lock glass	DG 10 1 lifer unpreserved glass	DG9B 40mL Na Bisulfate amber vial	WGFX Any wide is with the way
- 1	or IO I liter unpreserved plastic	BP1A 1 liter NaOH, Asc Acid plastic	DG9M 40ml MeOH clearwal	ZDI O Zi i D
			101x 17000 100011	ZPLC Zibios Bad

Sample Container Count

Pace Analytical

CLIENT: HUIL

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Project #_

Comments DG9H AG1U WGFU R 4/6 BP2N BP2U BP3S BP3U BP3S AG3S AG1H Sample Line Item 0 12 7 3 5 4 Ø ω တ

				ī		1			-				
	DG9P 40mL TSP amber vial	40ml H2SO4 amber vial		DG9U 40mL unpreserved amber vial	Wipe/Swab	JGFU 40z unpreserved amber wide	U Summa Can	VG9H 40ml HCl clear vial	VG9T 40ml Na Thio clear vial	VG9U 40mL unpreserved clear vial	VSG Headsnace senta vial & HC!	WGFX 4oz wide iar w/hexane wine	ZPLC Ziploc Bag
	DG9P	DG9S	DG9T	Dean		JGFU		VG9H	VG9T	UG9V	VSG	WGFX	ZPLC
	1 liter HNO3 plastic	BP1S 1 liter H2SO4 plastic	1 liter unpreserved plastic	BP1Z 1 liter NaOH, Zn, Ac	BP2A 500mL NaOH, Asc Acid plastic	BP2O 500mL NaOH plastic	BP2Z 500mL NaOH, Zn Ac	BP3A 250mL NaOh, Asc Acid plastic	BP3C 250mL NaOH plastic	BP3Z 250mL NaOH, Zn Ac plastic	C Air Cassettes	DG9B 40mL Na Bisulfate amber vial	DG9M 40mL MeOH clear vial
	BP1N	BP1S	BP1U	BP1Z	BP2A	BP20	BP2Z	BP3A	ВРЗС	BP3Z	O	DG9B	DG9M
	AF Air Filter	AG1H 1 liter HCL amber glass	AG1S 1 liter H2SO4 amber glass	AG1T 1 liter Na Thiosulfate amber gl	AG2N 500mL HNO3 amber glass	AG2S 500mL H2SO4 amber glass	AG2U 500mL unpreserved amber gla	AG3U 250mL unpreserved amber gla	BG1H 1 liter HCL clear glass	BG1S 1 liter H2SO4 clear glass	BG1T 1 liter Na Thiosulfate clear gla	BG1U 1 liter unpreserved glass	BP1A 1 liter NaOH, Asc Acid plastic
	AF	AG1H	AG1S	AG1T	AG2N	AG2S	AG2U	AG3U	ВС1Н	BG1S	BG1T	BG1U	BP1A
Container Codes	DG9H 40mL HCL amber voa vial	fliter unpreserved amber glass	4oz clear soil jar	R terra core kit	500mL HNO3 plastic	500mL unpreserved plastic	500ml H2SO4 plastic	250ml_ HNO3 plastic	250mL unpreserved plastic	250ml. H2SO4 plastic	AG3S 250mL H2SO4 glass amber	1 liter H2SO4 amber glass	BP1U 1 liter unpreserved plastic
	H69C	AG10	WGFU	8	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1S	BP1U





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







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







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







Project: SBI059 Pace Project No.: 5042626

Percent Moisture

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

5.1 %

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 21.9 mg/kg 1.9 10/22/10 00:00 10/25/10 01:14 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

10/25/10 15:03

Date: 10/27/2010 08:31 AM

REPORT OF LABORATORY ANALYSIS

Page 4 of 10







Project: SBI059 Pace Project No.: 5042626

Percent Moisture

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

5.1 %

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 12.1 mg/kg 1.9 10/22/10 00:00 10/25/10 01:43 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

10/25/10 15:03

Date: 10/27/2010 08:31 AM

REPORT OF LABORATORY ANALYSIS

Page 5 of 10





10/25/10 15:03



ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042626

Percent Moisture

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

6.0 %

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 15.5 mg/kg 2.0 10/22/10 00:00 10/25/10 01:49 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 10/27/2010 08:31 AM

REPORT OF LABORATORY ANALYSIS

Page 6 of 10





10/25/10 15:03



ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042626

Percent Moisture

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

7.8 %

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 22.0 mg/kg 2.0 10/22/10 00:00 10/25/10 01:54 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 10/27/2010 08:31 AM





QUALITY CONTROL DATA

Project: Pace Project No.:

SBI059

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

Blank

Reporting

Parameter

Units

Units

5042626001

Result

21.9

Result

Limit

Analyzed

Qualifiers

Arsenic

mg/kg

ND

2.0 10/25/10 01:03

LABORATORY CONTROL SAMPLE:

Parameter

Parameter

Spike Conc.

LCS Result

LCS % Rec % Rec Limits

Qualifiers

Arsenic

mg/kg

497800

53.2

106

80-120

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:

497801

497802

MS

MSD Spike Spike MS

MSD MS % Rec

MSD % Rec

% Rec Limits

Max RPD RPD

Arsenic

Units

mg/kg

Conc.

Conc. 49.2 49.7

Result Result 63.3 64.9

84

87

75-125

3 20

Qual

Date: 10/27/2010 08:31 AM







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

5042614001 Dup Max Parameter Units Result Result **RPD RPD** Qualifiers % 6.6 5 R2

Percent Moisture 6.1

SAMPLE DUPLICATE: 498765

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

Date: 10/27/2010 08:31 AM





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

Date: 10/27/2010 08:31 AM

R2 RPD value was outside control limits due to matrix interference

nelac

severos

PAGE OF	NO. ANALYSES		COMMENTS	8	dm	-5 <u>-</u>	Majary All	7									3/4 DAYS
ORD	1034 IVES											Deliver To:	Method of Delivery:	Airbill Number:	NOTES:		TURN AROUND TIME: 5
CHAIN OF CUSTODY RECORD	Solon, OH Toledo, OH 6161 Cochran Road 3401 Glendale Ave. Sulte D Sulte 300 Sulte 300 Sulte 301 Sulte 301 Sulte 301 Sulte 302 Sulte 303 Sulte 303 Sulte 304 Sulte 304 Sulte 305	A-AR	METALS COLLECTION DATETIME		1854 X X X88/	× 7281 V V	\		\			RECEIVED BY: DATE:	RECEIVED BY: DATE:	TIME:	RECEIVED FOR LAB BY: DATE: A SAI/IO	: - LAB USE (MUST BE RETURNED WITH RE	YELLOW - LAB USE PINK - RETAINED BY HULL
	IN DMason, OH 4900 Parkway Dr. Suite 100 A6250 Mason, OH 45040	Client City of South Renders: Site: Norfelle Project #: 261051 Samplers: Luke Witcht	T SAMPLE SAI LOCATION TYP	681059 : \$4-308 : \$005 - 020	: 61/2-W2:	020-0205: 881-58:	+ : i Tota Blowle			 	 	 RELINGUISHED BY: DATE: 10/20/10	Y. DATE:		DATE: TIME:	200	

WI Today: 8728 5665 5487

Sample Condition Upon Receipt

	San	nple Con	iojtik	า Upon Receip	t	
Face Analytical	Client Name	:	Hu	1)	Project #_	5042626
		_				
Courier: Fed Ex UPS Tracking #: 87286	□USPS □ Clien ≤665 ,54 9	•		Pace Other		
Custody Seal on Cooler/Box	7 — 7	no		s intact:	no	
Packing Material: Bubble	Wrap Bubble	Bags 🔲 N	lone_	Other _	-ip/ack	
Thermometer Used 123	46ABCDE	Type of Ice	Wet	Blue None	Samples on ice,	cooling process has begun
Cooler Temperature	1-000	Ice Visible	e in Sa	imple Containers:	yes 7	5
Temp should be above freezing to	6°C					tials of person examining
Ohair at Out at During				Comments:	contents:	1012/10
Chain of Custody Present:		MYes □N6	□N/A	1		
Chain of Custody Filled Out:	,	ÚVes □Mo	□N/A	· · · · · · · · · · · · · · · · · · ·		
Chain of Custody Relinquished		☑Yes ☑Klo	□n/a		<u></u>	
Sampler Name & Signature on		⊞Yes □No	□N/A			
Short Hold Time Analysis (<7		□Yes □No	EN/A			· · · · · · · · · · · · · · · · · · ·
Rush Turn Around Time Requ	uested:	☐Yes ☐N6	□n/a		·	
Containers Intact:	 	ØYes ØNo	□n/a	7.		
Sample Labels match COC:		ØYes □No	⊡n/a	8.		
 -Includes date/time/ID/Analy All containers needing preservation h 						· · · · · · · · · · · · · · · · · · ·
		□Yes □No	ØN/A	9.		
exceptions: VOA, collform, TOC, O&G, Wi- All containers needing preservation						
compliance with EPA recommendate		□Yes □No	□WA			ł
Headspace in VOA Vials (>6mi	m):	□Yes □No	JHN/A	10		
Trip Blank Present:		□Yes □No	J2N/A	11, 1		
Trip Blank Custody Seals Prese	ent	☐Yes ☐No	□nja	10/21/10		
Project Manager Review			d 175 ()			
Samples Arrived within Hold Tin	ne:	□Yes □No	□n/a	12.		<u></u>
Sufficient Volume:		□Yes □No	□n/a	13.		-
Correct Containers Used:		□Yes □No	□n/a	14.	<u>, </u>	
Client Notification/ Resolution	1:			- -	Field Data Requir	red? Y / N
Person Contacted:	<u>-</u>		Date/1	Time:		
Comments/ Resolution:				····		
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*****	- · · ·			·		
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		·		¥=		
					 	
						
Project Manager Review:					Date:	021/10

Sample Container Count

Project #_) 30 J COC PAGE CLIENT:

DG9H AG1U WGFU R 4/6 BP2N BP2U BP2S BP3N BP3U BP3S AG3S AG1H

Sample Line Item

Pace Analytical

		_	- T			T	. .	1									 -			_			_	-	_,										
	Comments																					IP 40mL TSP amber vial		DG9T 40mL Na Thio amber vial	DG9U 40mL unpreserved amber vial	Wipe/Swab	JGFU 4oz unpreserved amber wide	U Summa Can	VG9H 40mL HCL clear vial	VG9T 40mL Na Thio. clear vial	J 40mL unpreserved clear vial	Headspace senta vial & HC!	WGFX 4oz wide iar w/hexane wine	ZPLC Ziploc Bag	
				_			_				_											DG9P	DG9S	0G9	DG9		린		VG9	VG9	VG9U	VSG	WGF	ZPLC	
AG38 AG4U	200																						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	BP3A 250mL NaOh, Asc Acid plastic	250mL NaOH plastic	250mL NaOH, Zn Ac plastic	C Air Cassettes	ber vial	$ \cdot $	
BP35	3																				14.70	2 0	מריוט	2	BP1Z	AZA B	BF20	BP2Z	ВРЗА	ВРЗС	BP3Z	히	DG9B	G9M	
DESC BESS BESS BESS																					AF Air Filter	anhor L	1 lifer HOOOA combon	1 lifer No This article	500ml HNO3 ambor gl	500ml H2CO4 ambor glass	500ml management glass	+	nber gla		-+	te clear gla	1 glass	Dr IA IIIer NaOH, Asc Acid plastic D	
									i												¥	4G1H	AG18	A 7.17	N (2)	AG2S	1 5	3 2	200					<u> </u>	
		C	t		•	K														Container Codes	DG9H 40mL HCL amber voa vial	lass	╄-		3 plastic	olastic	-		Jastic	-	mher				
	-	r	7	3	4	4	ις.	(0	7		∞	c	5	10	;		7			ă	AC	WG		ᄧ	8	9	8	9	윰	AG	AG	85		



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









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





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







Project: SBI059 Pace Project No.: 5042676

Percent Moisture

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

7.6 %

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 408 mg/kg 2.1 10/22/10 00:00 10/25/10 21:37 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

10/25/10 15:13

Date: 10/27/2010 08:43 AM







Project: SBI059 Pace Project No.: 5042676

Percent Moisture

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

28.2 %

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 58.6 mg/kg 2.6 10/22/10 00:00 10/25/10 21:43 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

10/25/10 15:13

Date: 10/27/2010 08:43 AM







Project: SBI059 Pace Project No.: 5042676

Percent Moisture

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

5.1 %

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 251 mg/kg 1.9 10/22/10 00:00 10/25/10 21:49 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

10/25/10 15:13

Date: 10/27/2010 08:43 AM

REPORT OF LABORATORY ANALYSIS

Page 6 of 13







Project: SBI059 Pace Project No.: 5042676

Percent Moisture

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

5.7 %

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 161 mg/kg 2.0 10/22/10 00:00 10/25/10 21:55 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

10/25/10 15:14

Date: 10/27/2010 08:43 AM







Project: SBI059 Pace Project No.: 5042676

Percent Moisture

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

7.8 %

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 214 mg/kg 2.0 10/22/10 00:00 10/25/10 22:00 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

10/25/10 15:14

Date: 10/27/2010 08:43 AM







Project: SBI059 Pace Project No.: 5042676

Percent Moisture

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

7.1 %

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 63.9 mg/kg 2.1 10/22/10 00:00 10/25/10 22:06 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

10/25/10 15:14

Date: 10/27/2010 08:43 AM







Project: SBI059 Pace Project No.: 5042676

Percent Moisture

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

11.7 %

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 8.8 mg/kg 2.2 10/22/10 00:00 10/25/10 22:12 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

10/25/10 15:14

Date: 10/27/2010 08:43 AM





QUALITY CONTROL DATA

SBI059 Project: 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

> Blank Reporting

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

LABORATORY CONTROL SAMPLE: 498290

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 498291 498292

MS MSD 5042674016 Spike

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

Date: 10/27/2010 08:43 AM







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

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

SAMPLE DUPLICATE: 498775

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

Date: 10/27/2010 08:43 AM





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

Date: 10/27/2010 08:43 AM

R2 RPD value was outside control limits due to matrix interference

nelac

COMMENTS otochos ત دک 8 Ь PAGE _ ġ ANALYSES DAYS 3/1 TURN AROUND TIME: Method of Delivery: Airbill Number: NOTES: Deliver To: **CHAIN OF CUSTODY RECORD** PRESERVATIVES DISTRIBUTION;
WHITE -LAB USE (MUST BE RETURNED WITH REPORT) X C-H₂SQ₄ pH<2 D-NaOH pH>12 E-ZnAcstete + NaOH, pH>9 F-N₉ § 0 (0.006%) G-HCL pH <2 16.15 023 (<u>F</u>10 1623 hod dirator 127 (60%) ☐ <u>Toledo, OH</u>
3401 Glendale Ave.
Suite 300
Suite 300
Toledo, OH 43614
Fex: (419) 385-5487 are kept at 4 degrees Celal COLLECTION DATE/TIME DATE DATE: DATE: TIME IME - RETAINED BY HULL A-Air C-Asbestos D-Sediment G-Groundwater P-Product S-Soil W-Water Z-Others WHITE - LAB USE (*)
YELLOW - LAB USE
PINK - RETAINED 6161 Cochran Road Suite D Solon, OH 44139 Phone: (440) 519-2565 Fax: (440) 519-2560 METALS Karla Vell RECEIVED FOR LAB RECEIVED BY: RECEIVED BY: No. OF CONT. Solon, OH Mason, OH 45040 Phone: (513) 459-9677 Fax: (513) 459-9869 005-025 DMason, OH 4900 Parkway Dr. Suite 100 20-52 5 SAMPLE TYPE & ID JUL WAS ပ DATE: 10/2/ TIME: 16 76 3.0 8-1-5 Dova Strart Phase: 0 DATE DATE: TIME Indianapolis, IN 46250 Phone: (317) 558-0558 Fax: (317) 558-0553 V N ☐ Indianapolis, IN 6330 E. 75th St. Suite 176 : 525-cg: : 5m= 343 : U. ociates, inc. 52- 253 525- WS: X 30 B 3W-318 SAMPLE LOCATION 85-173 COOLER TEMPERATURE Project #: \$5(0 59 ではべつ 6397 Emerald Parkway Suite 200 Phone: (614) 793-8777 Fax: (614) 793-9070 REPORT TO: AS RECEIVED: **Dublin, OH 43016** RELINQUISINED BY: RELINQUISHED BY: RELINQUISHED BY Samplers: -Dublin, OH PROJECT NO. 80%

720. FLD. # 8735 8484 6800

H/3

Sample Condition Upon Receipt

Sall	ibie cou	αιτίοι	i Upon Rece	ibr		
Face Analytical Client Name:	Hull	41	1550c,	Proj	ect #	5042676
Í						•
Courier: PFed Ex UPS USPS Clien Tracking #: 8735 8484 6800	t 🗌 Comn)	nercial	Pace Other	r		····
Custody Seal on Cooler/Box Present:	□¥no	Seals	s intact: 🔲 yes	s 🗌 no		
Packing Material: Subble Wrap Bubble	Bags 🔲 I	None	Other			
Thermometer Used 12346ABCDE	Type of Ice	: Wet	Blue None	Sam	ples on ice, co	oling process has begun
Cooler Temperature 3.0°C	Ice Visibl	le in Sa	ımple Containers	: yes	☑, no	
Temp should be above freezing to 6°C		 	Comments:	C	ate and Initial	s of person examining
Chain of Custody Present:	Onges □No	□n/a	1.			
Chain of Custody Filled Out:	Öges □No	□n/a	2.			
Chain of Custody Relinquished:	Yes □No	□n/a	3.			
Sampler Name & Signature on COC:	Ŋdes □No	□n/a	4.	<u> </u>		
Short Hold Time Analysis (<72hr):	□Yes ☑ No	□n/a	5.			
Rush Turn Around Time Requested:	Dydres ⊡No	□n/a	6. 3/4 (day T	AT	
Containers Intact:	√D/es □No	□n/a	7.			
Sample Labels match COC:	Ø#es □No	□n/a	8.			
-Includes date/time/ID/Analysis All containers needing preservation have been pH checked?						
•	□Yes □No	ANIA	9.			
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water) All containers needing preservation are found to be in						
compliance with EPA recommendation.	□Yes □No	₩N/A				
Headspace in VOA Vials (>6mm):	□Yes □No	D y f i/a	10.			
Trip Blank Present:	□Yes 154No	□n/a	11.			·
Trip Blank Custody Seals Present	□Yes □No	D AN /A				
Project Manager Review		f				
Samples Arrived within Hold Time:	☐Yes ☐No	□n/a	12.			
Sufficient Volume:	☐Yes ☐No	□n/a	13.			
Correct Containers Used:	∐Yes □No	□n/a	14.			
Client Notification/ Resolution:				Field	Data Required	? Y/N
Person Contacted:		_Date/	l'ime:	•••	-	
Comments/ Resolution:				,-		·····
	<u> </u>					
			<u>. </u>			
		·		 .		· · · · · · · · · · · · · · · · · · ·
				* * *	······································	· · · · · · · · · · · · · · · · · · ·
						
			· · · · · · · · · · · · · · · · · · ·			
				/		
Project Manager Review:				14	Date: 10	2>10

Sample Container Count

Pace Analytical

CLIENT: HULL + ASSOCI

Project #

Comments DG9H AG1U WGFU R 4/6 BP2N BP2U BP2S BP3N BP3U BP3S AG3S AG1H Sample Line Item 5 <u>د</u> د α ന r۷ ဖ တ 12 œ

	Container Codes							7
H690	DG9H 40mL HCL amber voa vial	Ą	AF Air Filter	BD1N	BD4N 4 HAZ LINIOS ALCALIA			г
AG10	1liter unpreserved amber glass		4 lites		I III III DHASIIC	950	DG9P 40mL TSP amber vial	
MICEL	Serie Company	1	TO III I HER HOL AMDEL GIASS	SP1S	BP1S 1 liter H2SO4 plastic	DG98	DG9S 40mL H2SO4 amber vial	
D I		AG1S	AG1S 1 liter H2SO4 amber glass	BP1U	BP1U 1 liter unpreserved plastic	DGGT	DG9T 40mi Na This ambarviol	1
×	terra core kit	AG1T	AG1T 1 liter Na Thiosulfate amber of	BP17	BP12 1 liter NaOH Zn Ac		40 -	- , -
BPZN	BP2N 500mL HNO3 plastic	AG2N	AG2N 500mL HNO3 amber glass	BP2∆	BP2A 500m! NaOH Acc Acid alocation	0890 -	UCSU 40mL Unpreserved amber vial	
BP2U	500mt unpreserved plastic	AG2S	AG2S 500ml H2SO4 amher class	Coda	Some Nach Asc Acid plastic		Wipe/Swab	
BP2S	500mL H2SO4 plastic	AG211	500ml	77.70	DI ZO SUGILL NACH PRASTIC	JGF0	JGFU 4oz unpreserved amber wide	
DOGAL		7	South unpreserved amber gia	77,49	BP2Z 500ml, NaOH, Zn Ac	5	U Summa Can	
Morio	DESIN COUML HNUS plastic	AG3U	AG3U 250mL unpreserved amber gla	BP3A	BP3A 250ml NaOh Asc Acid plaetic	איסטרו	10m 100 - 1- 100 -	
BP3U	250mL unpreserved plastic	BG1H	BG1H 1 lifer HCL clear class	7600	DEOL N-OIL II.	LEDA	Voer 40mL HCL Glear Vial	 ,
BP3S	BP3S 250ml H2SO4 plastic	2,00	4 liter 10004 -1-	ון ה	Drive Zourie NaCH plastic	VG9T	VG9T 40mL Na Thio. clear vial	
3000		2	DOTO I Mer HZSO4 clear glass	BP3Z	BP3Z 250mL NaOH, Zn Ac plastic	VG9U	VG9U 40mL unpreserved clear vial	
AGSS	AG35 Z50ML H2SO4 glass amber	BG1T	BG1T 1 liter Na Thiosulfate clear gla	Ö	C Air Cassettes	787	Honor control	
AG1S	AG1S 1 liter H2SO4 amber glass	BG1U	BG1U 1 liter unpreserved glass	DG9B	DG9B 40ml. Na Bisulfate amber vial	VAC V	VOC 1 leauspace septa vial & HCL	
BP1U	BP1U 1 liter unpreserved plastic	BP1A	BP1A 1 liter NaOH, Asc Acid plastic	DG9M	DG9M 40m MeOH clear vial	\ C	ZDI C 7:11 P	
					יאוור ווייין אומו	711	ZPLO ZIDIOC Bad	





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

Tina Sayer

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







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





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







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-weig	ght" 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 %			1		10/29/10 15:42		

Date: 11/01/2010 03:01 PM

REPORT OF LABORATORY ANALYSIS

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Project: SBI059 Pace Project No.: 5042885

Percent Moisture

Sample: SBI059:SW-36B:S005020 Lab ID: 5042885002 Collected: 10/27/10 14:35 Received: 10/28/10 12:18 Matrix: Solid

7.4 %

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 14.5 mg/kg 2.0 10/29/10 00:00 10/30/10 19:25 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

10/29/10 15:42

Date: 11/01/2010 03:01 PM

REPORT OF LABORATORY ANALYSIS

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Project: SBI059 Pace Project No.: 5042885

Percent Moisture

Sample: SBI059:SW-37B:S005020 Lab ID: 5042885003 Collected: 10/27/10 15:05 Received: 10/28/10 12:18 Matrix: Solid

15.8 %

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 351 mg/kg 2.2 10/29/10 00:00 10/30/10 19:31 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

10/29/10 15:42

Date: 11/01/2010 03:01 PM

REPORT OF LABORATORY ANALYSIS

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Project: SBI059 Pace Project No.: 5042885

Percent Moisture

Sample: SBI059:SW-38B:S005020 Lab ID: 5042885004 Collected: 10/27/10 15:07 Received: 10/28/10 12:18 Matrix: Solid

7.0 %

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 109 mg/kg 2.1 10/29/10 00:00 10/30/10 19:36 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

10/29/10 15:42

Date: 11/01/2010 03:01 PM







Project: SBI059 Pace Project No.: 5042885

Percent Moisture

Sample: SBI059:SW-39B:S005020 Lab ID: 5042885005 Collected: 10/27/10 15:12 Received: 10/28/10 12:18 Matrix: Solid

11.4 %

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 301 mg/kg 2.1 10/29/10 00:00 10/30/10 19:42 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

10/29/10 15:42

Date: 11/01/2010 03:01 PM





10/29/10 15:43



ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042885

Percent Moisture

Sample: SBI059:SW-40B:S005020 Lab ID: 5042885006 Collected: 10/27/10 15:14 Received: 10/28/10 12:18 Matrix: Solid

14.8 %

Results reported on a "dry-weight" b	asis							
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Me	thod: EPA 6010	Preparation Me	thod: EF	PA 3050			
Arsenic	287 m	ıg/kg	2.3	1	10/29/10 00:00	10/30/10 19:48	7440-38-2	
Percent Moisture	Analytical Me	thod: ASTM D2	974-87					

0.10 1

Date: 11/01/2010 03:01 PM

REPORT OF LABORATORY ANALYSIS

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Project: SBI059 Pace Project No.: 5042885

Percent Moisture

Sample: SBI059:SW-41B:S005020 Lab ID: 5042885007 Collected: 10/27/10 15:15 Received: 10/28/10 12:18 Matrix: Solid

8.7 %

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 20.5 mg/kg 2.1 10/29/10 00:00 10/30/10 19:54 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

10/29/10 15:43

Date: 11/01/2010 03:01 PM

REPORT OF LABORATORY ANALYSIS

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Project: SBI059 Pace Project No.: 5042885

Percent Moisture

Sample: SBI059:SW-42B:S005020 Lab ID: 5042885008 Collected: 10/27/10 15:28 Received: 10/28/10 12:18 Matrix: Solid

6.3 %

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 65.4 mg/kg 2.0 10/29/10 00:00 10/30/10 19:59 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

10/29/10 15:43

Date: 11/01/2010 03:01 PM

REPORT OF LABORATORY ANALYSIS

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Project: SBI059 Pace Project No.: 5042885

Percent Moisture

Sample: SBI059:SW-43B:S005020 Lab ID: 5042885009 Collected: 10/27/10 15:29 Received: 10/28/10 12:18 Matrix: Solid

7.3 %

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 41.1 mg/kg 2.0 10/29/10 00:00 10/30/10 20:05 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

10/29/10 15:43

Date: 11/01/2010 03:01 PM

REPORT OF LABORATORY ANALYSIS

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10/29/10 15:43



ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042885

Percent Moisture

Sample: SBI059:SW-44B:S005020 Lab ID: 5042885010 Collected: 10/27/10 15:31 Received: 10/28/10 12:18 Matrix: Solid

17.8 %

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 104 mg/kg 2.3 10/29/10 00:00 10/30/10 20:11 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 11/01/2010 03:01 PM

REPORT OF LABORATORY ANALYSIS

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Project: SBI059 Pace Project No.: 5042885

Percent Moisture

Sample: SBI059:SW-45B:S005020 Lab ID: 5042885011 Collected: 10/27/10 15:40 Received: 10/28/10 12:18 Matrix: Solid

5.3 %

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 27.4 mg/kg 2.0 10/29/10 00:00 10/30/10 20:28 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

10/29/10 15:43

Date: 11/01/2010 03:01 PM

REPORT OF LABORATORY ANALYSIS

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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

Result

Results reported on a "dry-weig	ght" basis							
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Me	thod: EPA 601	0 Preparation Met	hod: EF	PA 3050			
Arsenic	14.7 m	ng/kg	2.1	1	10/29/10 00:00	10/30/10 20:34	7440-38-2	
Percent Moisture	Analytical Me	thod: ASTM D	2974-87					
Percent Moisture	11.2 %	, D	0.10	1		10/29/10 15:43		

Date: 11/01/2010 03:01 PM

REPORT OF LABORATORY ANALYSIS

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Project: SBI059 Pace Project No.: 5042885

Percent Moisture

Sample: SBI059:SW-47B:S005020 Lab ID: 5042885013 Collected: 10/27/10 15:42 Received: 10/28/10 12:18 Matrix: Solid

14.2 %

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 17.1 mg/kg 2.2 10/29/10 00:00 10/30/10 20:39 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

10/29/10 15:43

Date: 11/01/2010 03:01 PM

REPORT OF LABORATORY ANALYSIS

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10/29/10 15:44



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 282 mg/kg 2.3 10/29/10 00:00 10/30/10 20:45 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87 Percent Moisture 14.5 %

0.10

1

Date: 11/01/2010 03:01 PM

REPORT OF LABORATORY ANALYSIS

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Project: SBI059 Pace Project No.: 5042885

Percent Moisture

Sample: SBI059:SW-35A:S005020 Lab ID: 5042885015 Collected: 10/27/10 16:04 Received: 10/28/10 12:18 Matrix: Solid

13.1 %

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 163 mg/kg 2.3 10/29/10 00:00 10/30/10 20:51 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

10/29/10 15:44

Date: 11/01/2010 03:01 PM





10/29/10 15:44



ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5042885

Percent Moisture

Sample: SBI059:SW-36A:S005020 Lab ID: 5042885016 Collected: 10/27/10 16:06 Received: 10/28/10 12:18 Matrix: Solid

13.1 %

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 586 mg/kg 2.1 10/29/10 00:00 10/30/10 20:56 7439-92-1 Lead **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

Date: 11/01/2010 03:01 PM

REPORT OF LABORATORY ANALYSIS

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10/29/10 15:44



ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5042885

Percent Moisture

13.2 %

Results reported on a "dry-weight"	basis							
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Me	thod: EPA 6010	Preparation Me	thod: El	PA 3050			
Lead	205 m	ng/kg	2.2	1	10/29/10 00:00	10/30/10 21:02	7439-92-1	
Percent Moisture	Analytical Me	thod: ASTM D2	974-87					

0.10 1

Date: 11/01/2010 03:01 PM





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					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Arsenic	mg/kg	50	51.6	103	80-120	
Lead	mg/kg	50	49.3	99	80-120	

MATRIX SPIKE & MATRIX SP	PIKE DUPLICAT	E: 50080	1		500802							
			MS	MSD								
	50	042885001	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Arsenic	mg/kg	10.5	53.1	51.6	60.5	58.7	94	93	75-125	3	20	

Date: 11/01/2010 03:01 PM







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

5042885009, 5042885010, 5042885011, 5042885012, 5042885013, 5042885014, 5042885015, 5042885016,

5042885017

SAMPLE DUPLICATE: 501340

 Parameter
 Units
 5042858006 Result
 Dup RPD
 Max RPD
 RPD
 Qualifiers

 ture
 %
 9.4
 9.7
 3
 5

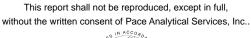
SAMPLE DUPLICATE: 501341

Percent Moisture

		5042885017	Dup		Max	
Parameter	Units	Result	Result	RPD	RPD	Qualifiers
Percent Moisture	 %	13.2	12.7	4	5	

Date: 11/01/2010 03:01 PM REPORT OF LABORATORY ANALYSIS

Page 22 of 23







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.

Date: 11/01/2010 03:01 PM

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

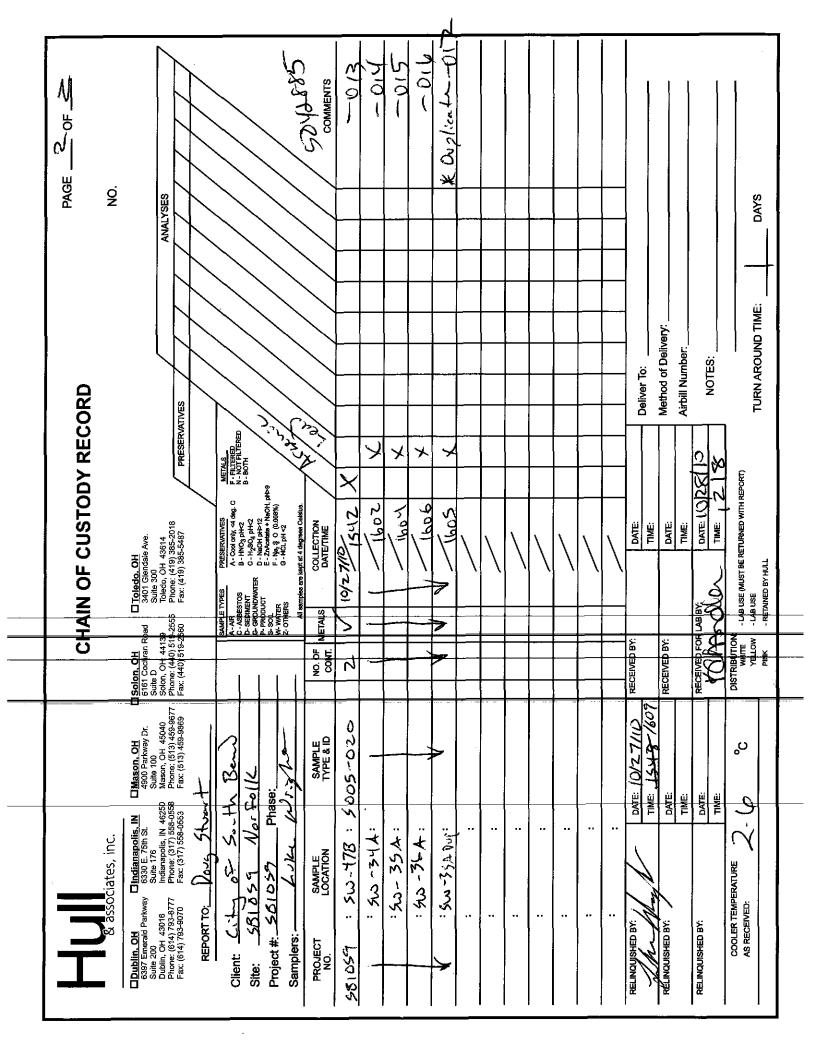
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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

REPORT OF LABORATORY ANALYS

*nelac

PAGE OF AT'S	NO.	ANALYSES			C SYTH QS	100-		-03	1001	700	<u> </u>	3001	010)10-	F10-				DAYS	
ECORD		PRESERVATIVES	1	1												— Deliver To:	Method of Delivery:	Airbill Number:	TURN AROUND TIME:	
CHAIN OF CUSTODY RECORD	CH DIoledo, OH 340° Ighardale Ave.	Solon, OH 4413 Phone: (440) 519-2556 Phone: (419) 385-2018 Fax: (440) 519-2560 Fax: (419) 385-5487 PRESE	AMPLE TYPES PRESERVATIVES METALS A-AIR A-Cod only, ed deg, C F-INITIRED D-ASBESTOS B-HING3 PH-C2 N-INITIRITIED D-SEDIMENT C-14,504, PH-C2 P-RESIDIMENT C	E - ZINCERRO + NAICH, PH-54 F - Ng. § O (0.006%) G - HCL PH <2	COLLECTION DATE/TIME	X 127/2/12/01 X	X X X X X	X 505 X	+	X 1.15) X	X 5151	× 828 ×	+	X 0x5, // // //	7	DATE:	RECEIVED BY: DATE:	RECEIVED FOR LARB BY DATE: 10 10 10 10 10 10 10 10 10 10 10 10 10	-LAB USE (MIST BE RE- -LAB USE - REFAINED BY HULL	eak del.
 	JMason, OH 4900 Parkway Dr. Suite 100	Mason, OH 45040 Phone: (513) 459-9677 Fax: (513) 459-9869	Soth Bend	rase:	SAMPLE N	20-520	070-500								> 1	TIME 15 45		DATE: RECENTINE:	O DISTR	177
	CA d S S C C C C C C C C C C C C C C C C C	Dublin, 0H 43016 Indianapolis, IN 46260 Phone: (614) 793-8777 Phone: (317) 558-0558 Fax: (614) 793-9070 Fax: (317) 558-0553 REPORT TO: Dough 5	581859 A	7	PROJECT SAMPLE NO. LOCATION	35-193:	7.30	$\frac{3}{3}$	1 1 1	35	1 (5) P = 1	33	: 8hh-cx;	7	: (39) 1- (175) See HINDING HER	Lufter	RELINQUISHED BY	RELINQUISHED BY: DA	COOLER TEMPERATURE 7. (\mathcal{C}	



Sample Condition Upon Receipt Face Analytical Client Name: Project # 5042885 Courier: UPS USPS Client Commercial Pace Other Tracking #: Custody Seal on Cooler/Box Present: Ves no Seals intact: Packing Material: Bubble Wrap Bubble Bags Other None Thermometer Used Type of ice: / Wet Blue None **Cooler Temperature** Ice Visible in Sample Containers: yes Temp should be above freezing to 6°C Date and Initials of Comments: contents: Chain of Custody Present: □No □N/A 1. □n/a Chain of Custody Filled Out: Chain of Custody Relinquished: □No □n/A Sampler Name & Signature on COC: □No □N/A Short Hold Time Analysis (<72hr): □Yes ZNa □n/a □No Rush Turn Around Time Requested: □n/a Containers Intact: □No □N/A Sample Labels match COC: DYes DNo □N/A 8. -Includes date/time/ID/Analysis All containers needing preservation have been pH checked? □Yes □No □NA 9. exceptions: VOA, collform, TOC, O&G, WI-DRO (water) All containers needing preservation are found to be in 16N/A □Yes □No/ compliance with EPA recommendation. Headspace in VOA Vials (>6mm): ☐Yes ☐No .**ÇAN**/A 10. M/A 11. Trip Blank Present: ☐Yes ☐No Trip Blank Custody Seals Present □Yes □No Project Manager Review Samples Arrived within Hold Time: □N₀ **□N/A** 12 ZKes □No Sufficient Volume: □n/a 113. Correct Containers Used: Kes Dino DN/A Client Notification/ Resolution: Field Data Required? Person Contacted: Date/Time:

Person Contacted:

Comments/ Resolution:

Date/Time:

Date/Time:

Date/Time:

Date: / O/JE//D

DG9U | 40mL unpreserved amber vial JGFU | 4oz unpreserved amber wide VG9U | 40mL unpreserved clear vial VSG | Headspace septa vial & HCL WGFX 4oz wide jar w/hexane wipe Pace Analytical Comments DG9T 40mL Na Thio amber vial DG9S 40mt H2SO4 amber vial VG9T | 40mL Na Thio. clear vial DG9P | 40mL TSP amber vial VG9H 40mL HCL clear vial Summa Can Wipe/Swab ZPLC Ziploc Bag BP2A 500mL NaOH, Asc Acid plastic BP3A 250mL NaOh, Asc Acid plastic DG9B | 40mL Na Bisuifate amber vial BP3Z 250mL NaOH, Zn Ac plastic BP1U 1 liter unpreserved plastic DG9M 40mL MeOH clear vial BP1S 1 liter H2SO4 plastic BP2O 500mL NaOH plastic BP2Z 500mL NaOH, Zn Ac BP3C | 250mL NaOH plastic BP12 1 liter NaOH, Zn, Ac BP1N 1 liter HNO3 plastic BP3N BP3U BP3S AG3S AG1H Sample Container Count Project # 504488 S C | Air Cassettes AG3U 250mL unpreserved amber gla AG2U 500mL unpresented amber gla AG1T 1 lite Na Thipsulate amber gl BG1T 1 liter Na Thibsurfate clear gla BP1A 1 liter NaOH, Asc Acid plastic AG2S 500ml H2SQ4 amber glass AG1S 1 liter H2SO4 amber glass AG2N 500r HNO\$ amber glass BG1S 1 liter H2SO4 clear glass BG1U 1 liter unpreserved glass AG1H 1 litter HCL amber glass BG1H 1 liter HCL clear glass BP2S AF | Air Filter BP2U DG9H AG1U WGFU R 4/6 BP2N 1liter unpreserved amber glass BP2U 500mL unpreserved plastic BP3U 250mL unpreserved plastic AG3S | 250mL H2SO4 glass amber DG9H | 40mL HCL amber voa vial 1 liter H2SO4 amber glass BP1U 1 liter unpreserved plastic 250mL H2SO4 plastic 500mL H2SO4 plastic BP2N | 500mL HNO3 plastic 250mL HNO3 plastic CLIENT: TOUL WGFU | 4oz clear soil jar Container Codes R terra core kit BP2S BP3N Sample Line BP3S AG1S Item COC ID# (1) 9 4 ٤O O တ -- $\ddot{\varsigma}$ o)

F-IN-Q270-rev.1, 13May2009

Face Analytical	and special and sp	Comments												Company of the Compan	DG9P 40mL TSP amber vial	DG9S 40mL H2SO4 amber vial	DG9T 40mL Na Thio amber vial	DG9U 40mL unpreserved amber vial	Wipe/Swab	JGFU 4oz unpreserved amber wide	U Summa Can	VG9H 40mL HCL clear vial	VG9T 40mL Na Thio. clear vial	VG9U 40mL unpreserved clear vial	VSG Headspace septa vial & HCL	WGFX 4oz wide jar w/hexane wipe	ZPLC Ziploc Bag	
Sample Container Count	roject # GDV28FF	BP3S AG3S AG1H													BP1N 1 liter HNO3 plastic	BP1S 1 liter H2SO4 plastic D	1 liter unpreserved plastic	BP1Z 1 liter NaOH, Zn, Ac				BP3A 250mL NaOh, Asc Acid plastic V	BP3C 250mL NaOH plastic	BP3Z 250mL NaOH, Zn Ac plastic V	C Air Cassettes	DG9B 40ml. Na Bisulfate amber vial W	DG9M 40mL MeOH clear vial	
Sample	Project #	BP2U BP2S BP3N BP3U													Air Filter	1 liter HCL amber glass	1 liter H2SO4 amber glass	1 liter Na Thiosulfate amber gl		500mL H2SO4 amber glass	500mL unpreserved amber gla	250mt 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	
		6 BP2N BF													AF Air	АС1Н		AG1T 1 II		. 1		AG3U 250		i	BG1T 1 li	1	BP1A 1 li	
CLIENT: 401)	COC PAGE Por Ococ ID#	Sample Line Item DG9H AG1U WGFU R 47	7	2	3	4	2	9	 8	0	10	11	12	Container Codes	DG9H 40mL HCL amber voa vial			R terra core kit	i_	Ł	- 1				AG3S 250mL H2SO4 glass amber	AG1S 1 liter H2SO4 amber glass	BP1U 1 liter unpreserved plastic	



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







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





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







ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5043178

Percent Moisture

Sample: SBI059:SW-48B:S005020 Lab ID: 5043178001 Collected: 11/04/10 13:20 Received: 11/05/10 13:20 Matrix: Solid

6.5 %

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 7.9 mg/kg 2.0 11/06/10 00:00 11/08/10 11:04 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 11/09/2010 03:02 PM







ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5043178

Percent Moisture

Sample: SBI059:SW-49B:S005020 Lab ID: 5043178002 Collected: 11/04/10 13:22 Received: 11/05/10 13:20 Matrix: Solid

8.3 %

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 13.3 mg/kg 2.0 11/06/10 00:00 11/08/10 11:44 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 11/09/2010 03:02 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5043178

Percent Moisture

Sample: SBI059:SW-50B:S005020 Lab ID: 5043178003 Collected: 11/04/10 13:25 Received: 11/05/10 13:20 Matrix: Solid

8.1 %

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 281 mg/kg 2.1 11/06/10 00:00 11/08/10 11:50 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 11/09/2010 03:02 PM







ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5043178

Percent Moisture

Sample: SBI059:SW-51B:S005020 Lab ID: 5043178004 Collected: 11/04/10 13:29 Received: 11/05/10 13:20 Matrix: Solid

8.6 %

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 10.8 mg/kg 2.0 11/06/10 00:00 11/08/10 11:55 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 11/09/2010 03:02 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5043178

Percent Moisture

Sample: SBI059:SW-52B:S005020 Lab ID: 5043178005 Collected: 11/04/10 13:30 Received: 11/05/10 13:20 Matrix: Solid

9.1 %

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 140 mg/kg 2.1 11/06/10 00:00 11/08/10 12:01 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 11/09/2010 03:02 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5043178

Percent Moisture

Sample: SBI059:SW-53B:S005020 Lab ID: 5043178006 Collected: 11/04/10 13:43 Received: 11/05/10 13:20 Matrix: Solid

10.1 %

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 7.8 mg/kg 2.1 11/06/10 00:00 11/08/10 12:07 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 11/09/2010 03:02 PM





ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5043178

Percent Moisture

Sample: SBI059:SW-54B:S005020 Lab ID: 5043178007 Collected: 11/04/10 13:45 Received: 11/05/10 13:20 Matrix: Solid

8.4 %

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 11.0 mg/kg 2.1 11/06/10 00:00 11/08/10 12:12 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 11/09/2010 03:02 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5043178

Percent Moisture

Sample: SBI059:SW-55B:S005020 Lab ID: 5043178008 Collected: 11/04/10 13:48 Received: 11/05/10 13:20 Matrix: Solid

6.1 %

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 61.2 mg/kg 2.0 11/06/10 00:00 11/08/10 12:18 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 11/09/2010 03:02 PM







ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5043178

Percent Moisture

Sample: SBI059:SW-56B:S005020 Lab ID: 5043178009 Collected: 11/04/10 13:50 Received: 11/05/10 13:20 Matrix: Solid

5.6 %

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 147 mg/kg 2.1 11/06/10 00:00 11/08/10 12:24 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 11/09/2010 03:02 PM







ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5043178

Percent Moisture

Sample: SBI059:SW-57B:S005020 Lab ID: 5043178010 Collected: 11/04/10 13:55 Received: 11/05/10 13:20 Matrix: Solid

9.4 %

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 13.7 mg/kg 2.1 11/06/10 00:00 11/08/10 12:46 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 11/09/2010 03:02 PM







ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5043178

Percent Moisture

Sample: SBI059:SW-50B:S005020A Lab ID: 5043178011 Collected: 11/04/10 13:35 Received: 11/05/10 13:20 Matrix: Solid

7.6 %

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 55.5 mg/kg 2.0 11/06/10 00:00 11/08/10 12:52 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 11/09/2010 03:02 PM







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-wei	ight" basis							
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Me	thod: EPA 601	0 Preparation Me	thod: Ef	PA 3050			
Arsenic	5.4 m	ng/kg	2.0	1	11/06/10 00:00	11/08/10 12:58	7440-38-2	
Percent Moisture	Analytical Me	thod: ASTM D	2974-87					
Percent Moisture	6.2 %	, 0	0.10	1		11/06/10 14:34		

Date: 11/09/2010 03:02 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

SBI059 Project: Pace Project No.: 5043178

Arsenic

QC Batch: MPRP/6650 Analysis Method: EPA 6010 QC Batch Method: EPA 3050 Analysis Description: 6010 MET

5043178001, 5043178002, 5043178003, 5043178004, 5043178005, 5043178006, 5043178007, 5043178008, Associated Lab Samples:

5043178009, 5043178010, 5043178011, 5043178012

METHOD BLANK: 504504 Matrix: Solid

mg/kg

Associated Lab Samples:

5043178009, 5043178010, 5043178011, 5043178012 Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers ND 11/08/10 08:01

LABORATORY CONTROL SAMPLE: 504505

> LCS LCS Spike % Rec

2.0

Parameter Units Conc. Result % Rec Limits Qualifiers

Arsenic 50 49.4 99 80-120 mg/kg

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 504506 504507

> MS MSD

5043178001 Spike Spike MS MSD MS MSD % Rec Max Conc. RPD RPD Parameter Conc. Result % Rec % Rec Limits Units Result Result Qual Arsenic 7.9 49.5 49.9 60.1 55.8 105 75-125 20 mg/kg





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

5043178001 Dup Max Parameter Units Result Result **RPD RPD** Qualifiers 6.5 Percent Moisture % 6.3 4 5

SAMPLE DUPLICATE: 504632

		5043115008	Dup		Max	
Parameter	Units	Result	Result	RPD	RPD	Qualifiers
Percent Moisture	 %	10.4	10.4	.07	5	

Date: 11/09/2010 03:02 PM





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.

Date: 11/09/2010 03:02 PM

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.



CHAIN OF CUSTODY RECORD ጃ associates, inc.

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	ANALYSES	PRESERVATIVES						0///////	COMMENTS	100-	+ (C)	~ & \			Ç0C	900-	(20)	80)	600-	0,0	Portecte - 01		Deliver To:	Mother of Dalitace	mariod of Delivery:	Arbill Number:	NOTES:		TURN AROLIND TIME:	DAYS
GSolon, OH GToledo, OH 6161 Cochran Road 3401 Glendale Ave. Suite 300 Solin OH 44490	Soluli, Or 44139 loedo, OH 43614 Fav. (440) 519-2555 Phone: (419) 582-2018	Tax: (419) 385-5487			C-ASBESTOR B-HNO ₃ pH-Q N-NOT FILTERE D-SEDIMENT C-H ₂ SO ₄ pH-Q B-BOTH G-GROUNDWATE C-H ₂ SO ₄ pH-Q	P. PRODUCT B - NACH p4P-12 S. SOIL E - ZNACHSTR + NACH, p4P-9		NO. OF METALS COLLECTION CONT METALS DATESTIME	, Malio	-	X 522 X	/325 X	X 125/	/330 X	× ***	+	_	/32×	(35° ×	/35% ×	1 1 1335 X	X >550 X		124		RECEIVED FOR LAB BX		DISTRIBUTION: WHITE -LAB USE (MUST BE RETURNED WITH REPORT)		PINK - RETAINED BY HULL
Cindianapolis, IN C 6330 E. 75th St. Suite 176 Indianapolis, IN 46250	Phone: (614) 793-8777 Phone: (317) 558-0558 Phone: (513) 459-9877 Fax: (614) 793-9070 Fax: (317) 558-0553 Fax: (513) 459-9887	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	REPORT TO: Veya Showat	Client: City of South Bould	Site: Norteilk	Project #: 58/059 Phase:	(3)	PROJECT SAMPLE SAMPLE NO. LOCATION TYPE & ID	350-2005 : 88-48 : Pesses	. C. 188	0	₹ .	: 315- ws:	: 525-45:	: 545 - 05:	: 87.5- 35:				3	: Xv - Solv !!	V : 525-W:	Angle 11/4/10	1		RELINQUISHED BY:		COOLER TEMPERATURE AS RECEIVED: C C C C C C C C C C C C C		

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Sample Condition Upon Receipt

Pace Analytical Client Name:	: Huil	8 J	Goa. F	Project # <u>5043178</u>
Courier: Fed Ex UPS USPS Clien Tracking #:	nt 🗌 Comme	ercial	Pace Other	
Custody Seal on Cooler/Box Present: yes	∠ no	Seals	intact: 🗌 yes ,🖊	no
Packing Material: Bubble Wrap Bubble	Bags 🔲 N	one_	Other	
Thermometer Used 12346(A)BCDE				Samples on ice, cooling process has begun
	ice Visible	in Sa	mple Containers: 🔲	yes no
Temp should be above freezing to 6°C			Campage	Date and Initials of person examining contents: /// ১//৩ ২/
			Comments:	contents: 11/3/1/3
	ØYes □No			
Chain of Custody Filled Out:	-∐Yes □No			
Chain of Custody Relinquished:	∠EYes □No			
Sampler Name & Signature on COC:	_□Yes □No			
Short Hold Time Analysis (<72hr):	□Yes □No	₽N/A	5	
Rush Turn Around Time Requested:	□Yes □No	ØN/A	6.	
Containers Intact:	√2Yes □No	□n/a	7.	
Sample Labels match COC:	PYes □No	□n/a	8.	
-Includes date/time/ID/Analysis	SU_			
All containers needing preservation have been pH checked?	□Yes □No	J⊇N/A	9.	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)				
All containers needing preservation are found to be in compliance with EPA recommendation.	□Yes □No	ÆÑ/A		
Headspace in VOA Vials (>6mm):	□Yes □No	J-M/A	10.	· · · · · · · · · · · · · · · · · · ·
Trip Blank Present:	□Yes □No	ØÑ/A	11.	
Trip Blank Custody Seals Present	□Yes □No	ØN/A		
Project Manager Review		7-1-1		
Samples Arrived within Hold Time:	Yes □No	□n/a	12.	
Sufficient Volume:	YQYes □No	□n/a	13.	
Correct Containers Used:	Mes ONo	□n/a	14.	
Client Notification/ Resolution:				Field Data Required? Y / N
Person Contacted:		_Date/	Time:	
Comments/ Resolution:	·····			
			· · · · · · · · · · · · · · · · · · ·	
			/	······································
		71	<u> </u>	
Project Manager Review:	THE V	1/11	11/	Date: (1/5//)
Fruject manager Neview.		JUVI	/V/	11/3/10

Sample Container Count

Pace Analytical

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OC PAGE of

30C ID

Project # 5178

Comments DG9H AG1U WGFU R 4/6 BP2N BP2U BP2S BP3N BP3U BP3S AG3S AG1H 8 × 3 3 3 66 K 4 4 Sample Line Item ĵ 7 2 ഗ Ť Ŋ ဖ 00 တ 12

		A Particular Control of the Control			Viai		Jde Jde					lai		9
	DG9P 40ml TSP amber vial	DG9S 40ml H2SO4 ambor viol	40mi Na Thio amharuial	40ml hearthcoang and	Wise/Sunf	wipe/owan	40z unpreserved amber wide	o summa can	VG9H 40mL HCL clear vial	VG9T 40ml Na Thio clear vial	And management along	VOC TOTAL DISSELVED CREW VISIT	*50 readspace septa vial & TCL	ZPI CI Zinloc Rad
	DGGP	D.598	DG0T	1000	7	וטפוו	5	2	VG9H	VG9T	105/	200	2 2	Z D Z
	BP1N 1 liter HNO3 plastic	BP1S 1 liter H2SO4 plastic	BP1U 1 liter unpreserved plastic	BP1Z 1 liter NaOH Zn. Ac	BP2A 500ml NaOH Asc Acid plastic	BP2O 500ml NaOH plastic	BD27 500ml NaOH Zn Ac	ייייין איייין איייין איייין איייין	BP3A 250mL NaOh, Asc Acid plastic	BP3C 250mL NaOH plastic	BP3Z 250mL NaOH, Zn Ac plastic	C Air Cassettes	Ifate ambor viol	+
	BP1N	BP1S	BP1U	BP1Z	BP2A	BP20	RP27		장	ВРЗС	BP3Z	Ü	DGGR	DG9M
	AF Air Filter	AG1H 1 liter HCL amber glass	AG1S 1 liter H2SO4 amber glass	AG1T 1 liter Na Thiosulfate amber gl	AG2N 500mL HNO3 amber glass	AG2S 500mL H2SO4 amber glass	AG2U 500mL unpreserved amber of	250ml Harmonand and	COOLINE UNIDIESEIVED AINDEL GIA	BG1H 1 liter HCL clear glass	BG1S 1 liter H2SO4 clear glass	BG1T 1 liter Na Thiosulfate clear gla	BG1U 1 liter unpreserved glass	BP1A 1 liter NaOH, Asc Acid plastic
	AF	AG1H	AG1S	AG1T	AG2N	AG2S	AG2U	40311	2	ВС1Н	BG1S	BG1T	BG1U	BP1A
Container Codes	DG9H 40mL HCL amber voa vial	1iiter unpreserved amber glass	WGFU 4oz clear soit jar	R terra core kit	BP2N 500mL HNO3 plastic	500ml_ unpreserved plastic	BP2S 500mL H2SO4 plastic	BP3N 250ml HNO3 plasfic		250mL unpreserved plastic	250mL H2SO4 plastic	AG3S 250mL H2SO4 glass amber	AG1S 1 liter H2SO4 amber glass	BP1U 1 liter unpreserved plastic
	DG9H	AG10	WGFU	∝	BP2N	BP2U	BP2S	BP3N	0	25-30	BP3S	AG3S	AG1S	BP1U



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





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





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







ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5043427

Percent Moisture

Sample: SBI059:SW-59B:S005020 Lab ID: 5043427001 Collected: 11/11/10 17:04 Received: 11/12/10 13:20 Matrix: Solid

11.2 %

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 82.2 mg/kg 2.1 11/13/10 00:00 11/15/10 17:42 7440-38-2 Arsenic **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

Date: 11/17/2010 10:46 AM







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 3.0 mg/kg 2.0 11/13/10 00:00 11/15/10 17:47 7440-38-2 Arsenic **Percent Moisture** Analytical Method: ASTM D2974-87 8.1 % Percent Moisture 11/15/10 15:29

0.10

1

Date: 11/17/2010 10:46 AM







ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5043427

Percent Moisture

Sample: SBI059:SW-61B:S005020 Lab ID: 5043427003 Collected: 11/11/10 17:07 Received: 11/12/10 13:20 Matrix: Solid

26.1 %

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 15.1 mg/kg 2.4 11/13/10 00:00 11/15/10 18:04 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 11/17/2010 10:46 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059
Pace Project No.: 5043427

Percent Moisture

Sample: SBI059:SW-62B:S005020 Lab ID: 5043427004 Collected: 11/11/10 17:08 Received: 11/12/10 13:20 Matrix: Solid

5.8 %

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 5.4 mg/kg 2.0 11/13/10 00:00 11/15/10 18:10 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 11/17/2010 10:46 AM







ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5043427

Percent Moisture

Sample: SBI059:SW-63B:S005020 Lab ID: 5043427005 Collected: 11/11/10 17:13 Received: 11/12/10 13:20 Matrix: Solid

24.0 %

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 4.4 mg/kg 2.3 11/13/10 00:00 11/15/10 18:15 7440-38-2 Arsenic **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

Date: 11/17/2010 10:46 AM

REPORT OF LABORATORY ANALYSIS

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Project: SBI059 Pace Project No.: 5043427

Percent Moisture

Sample: SBI059:SW-63B:S005020A Lab ID: 5043427006 Collected: 11/11/10 17:48 Received: 11/12/10 13:20 Matrix: Solid

9.3 %

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 3.4 mg/kg 2.0 11/13/10 00:00 11/15/10 18:38 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

11/15/10 15:30

Date: 11/17/2010 10:46 AM

REPORT OF LABORATORY ANALYSIS

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Project: SBI059 Pace Project No.: 5043427

Percent Moisture

Sample: SBI059:SW-64B:S005020 Lab ID: 5043427007 Collected: 11/11/10 17:14 Received: 11/12/10 13:20 Matrix: Solid

15.4 %

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 5.0 mg/kg 2.3 11/13/10 00:00 11/15/10 18:44 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

11/15/10 15:30

Date: 11/17/2010 10:46 AM







Project: SBI059 Pace Project No.: 5043427

Percent Moisture

Sample: SBI059:SW-65B:S005020 Lab ID: 5043427008 Collected: 11/11/10 17:15 Received: 11/12/10 13:20 Matrix: Solid

11.6 %

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 6.8 mg/kg 2.2 11/13/10 00:00 11/15/10 18:49 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

11/15/10 15:30

Date: 11/17/2010 10:46 AM

REPORT OF LABORATORY ANALYSIS

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Project: SBI059 Pace Project No.: 5043427

Percent Moisture

Sample: SBI059:SW-66B:S005020 Lab ID: 5043427009 Collected: 11/11/10 17:18 Received: 11/12/10 13:20 Matrix: Solid

24.4 %

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 **5.1** mg/kg 2.2 11/13/10 00:00 11/15/10 18:55 7440-38-2 Arsenic **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

11/15/10 15:30

Date: 11/17/2010 10:46 AM







Project: SBI059 Pace Project No.: 5043427

Percent Moisture

Sample: SBI059:SW-67B:S005020 Lab ID: 5043427010 Collected: 11/11/10 17:22 Received: 11/12/10 13:20 Matrix: Solid

20.6 %

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 225 mg/kg 2.4 11/13/10 00:00 11/15/10 19:01 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

11/15/10 15:30

Date: 11/17/2010 10:46 AM







Project: SBI059 Pace Project No.: 5043427

Percent Moisture

Sample: SBI059:SW-68B:S005020 Lab ID: 5043427011 Collected: 11/11/10 17:24 Received: 11/12/10 13:20 Matrix: Solid

13.0 %

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 47.0 mg/kg 2.2 11/13/10 00:00 11/15/10 19:06 7440-38-2 Arsenic **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

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11/15/10 15:31

Date: 11/17/2010 10:46 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5043427

Percent Moisture

Sample: SBI059:SW-69B:S005020 Lab ID: 5043427012 Collected: 11/11/10 17:25 Received: 11/12/10 13:20 Matrix: Solid

7.4 %

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 3.4 mg/kg 2.0 11/13/10 00:00 11/15/10 19:12 7440-38-2 Arsenic **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

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Date: 11/17/2010 10:46 AM







ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5043427

Percent Moisture

Sample: SBI059:SW-70B:S005020 Lab ID: 5043427013 Collected: 11/11/10 17:33 Received: 11/12/10 13:20 Matrix: Solid

5.4 %

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 4.1 mg/kg 2.0 11/13/10 00:00 11/15/10 19:18 7440-38-2 Arsenic **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

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Date: 11/17/2010 10:46 AM

REPORT OF LABORATORY ANALYSIS

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Project: SBI059 Pace Project No.: 5043427

Percent Moisture

Sample: SBI059:SW-71B:S005020 Lab ID: 5043427014 Collected: 11/11/10 17:35 Received: 11/12/10 13:20 Matrix: Solid

5.7 %

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 10.0 mg/kg 2.0 11/13/10 00:00 11/15/10 19:23 7440-38-2 Arsenic **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

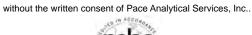
1

11/15/10 15:31

Date: 11/17/2010 10:46 AM

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Project: SBI059 Pace Project No.: 5043427

Percent Moisture

Sample: SBI059:SW-72B:S005020 Lab ID: 5043427015 Collected: 11/11/10 17:37 Received: 11/12/10 13:20 Matrix: Solid

3.4 %

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 4.8 mg/kg 2.0 11/13/10 00:00 11/15/10 19:29 7440-38-2 Arsenic **Percent Moisture** Analytical Method: ASTM D2974-87

0.10

1

11/15/10 15:31

Date: 11/17/2010 10:46 AM







Project: SBI059 Pace Project No.: 5043427

Percent Moisture

Sample: SBI059:SW-73B:S005020 Lab ID: 5043427016 Collected: 11/11/10 17:39 Received: 11/12/10 13:20 Matrix: Solid

17.1 %

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 6.3 mg/kg 2.3 11/13/10 00:00 11/15/10 19:46 7440-38-2 Arsenic **Percent Moisture** Analytical Method: ASTM D2974-87

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11/15/10 15:31

Date: 11/17/2010 10:46 AM

REPORT OF LABORATORY ANALYSIS

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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, 5040407046, 504040

METHOD BLANK: 507549 Matrix: Solid

Associated Lab Samples: 5043427001, 5043427002, 5043427003, 5043427004, 5043427005, 5043427006, 5043427007, 5043427008,

5043427009, 5043427010, 5043427011, 5043427012, 5043427013, 5043427014, 5043427015, 5043427016, 5044427016, 50444427016, 50444427016, 50444427016, 50444427016, 50444427016, 50444427016, 504444407016, 504444407016, 50444407016, 50444407016, 50444407016, 5044407016, 5044407016, 5044407016, 5044407016, 5044407016, 5044407016, 5044407016, 5044407016, 5044407016, 5044407016, 5044407016, 5044407016, 5044407016, 504407016, 504407016, 504407016, 504407016, 504407016, 504407016, 504407016, 504407016,

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

Arsenic mg/kg ND 2.0 11/15/10 17:30

LABORATORY CONTROL SAMPLE: 507550

Spike LCS LCS % Rec

 Parameter
 Units
 Conc.
 Result
 % Rec
 Limits
 Qualifiers

 Arsenic
 mg/kg
 50
 56.1
 112
 80-120

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 507551 507552

MS MSD

Spike Spike MS MSD MS MSD 5043427002 % Rec Max % Rec RPD RPD Parameter Conc. % Rec Limits Units Result Conc. Result Result Qual Arsenic 3.0 51.3 52.8 51.6 53.9 95 75-125 20 mg/kg

Date: 11/17/2010 10:46 AM







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,

SAMPLE DUPLICATE: 507976

5043151001 Dup Max Parameter Units Result Result **RPD RPD** Qualifiers 14.3 5 R2 Percent Moisture % 15.2 6

SAMPLE DUPLICATE: 507977

		5043427002	Dup		Max	
Parameter	Units	Result	Result	RPD	RPD	Qualifiers
Percent Moisture	%	8.1	8.1	.3	5	

Date: 11/17/2010 10:46 AM REPORT OF LABORATORY ANALYSIS

Page 21 of 22





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

Date: 11/17/2010 10:46 AM

R2 RPD value was outside control limits due to matrix interference

nelac

504 3427

PAGE 1 OF 2	NO.		ANALYSES				/////	////			Clarinian	(15W/5W				Bopheate									
corp				PRESERVATIVES /																			Deliver To:	Method of Delivery:	Airbill Number.
CHAIN OF CUSTODY RECORD		□ Solon, OH □ Toledo, OH 6161 Cochran Road 3401 Glendale Ave. Suite D Suite 300	Toledo, OH 43614 Phone: (419) 385-2018	Fax: (419) 385-5487		PRESERVATIVES A-Cool only, 44 deg. C	C. ASSESTION B. HNO ₃ pH-2 N. OF FILLEWED D. SEDMENTER C. H ₂ SO ₄ pH-2 B. BOTH G. GROUNDWATER C. H ₂ SO ₄ pH-2	P-PRODUCT D-NBOH pt-12 S-SOIL E-ZAO-Sorbe VADH, pt-99 S-SOIL F-Ns S-O (nones)	G - HGL pH <2 and of A document Calabian	NO. OF METALS COLLECTION CONT.	1011/10/1/11	\$8X# 1 105 X	X 1007 / 1007 X	X 80L)	X 500 X	X 8 MU /	X ML	X 2177	X &IT	× 420/	X Just X	X 52L) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	T. I. DATE: 11/17	RECEIVED BY:	TIME
	& āssociates, inc.	G330 E. 75th St. 4930 Parkway Dr. Suite 176	6	Fax: (317) 558-0553 Fax: (513) 459-9869	REPORT TO: Voy Stray	Client: City oF South Band	Site: Nortella	Project #: 581059 Phase:	Samplers: Lolle Wright	PROJECT SAMPLE SAMPLE NO. LOCATION TYPE & ID	181059 : 50 -698: 5005-020	; 5w-600:	: 5u-618:	: 5w-628:	: 52-52B:	: 5w-63029	: x2 -648;	:50-65B:	: 512-668 :	: 329-95:	, :50 - 68B:	: 269-04:	01/21/11	RELINQUISHED BY:	TIME:

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DAYS

TURN AROUND TIME:

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

ره ک

COOLER TEMPERATURE AS RECEIVED:

DATE

RELINQUISHED BY:

Airbill Number:__

NOTES:

DATE: TIME:

RECEIVED FOR LAB BY:

デ و <u></u> X 45/45 Μ COMMENTS PAGE 2 OF ġ ANALYSES DAYS TURN AROUND TIME: Method of Delivery: Airbiil Number: NOTES: Deliver To: **CHAIN OF CUSTODY RECORD** PRESERVATIVES DATE: 11/17/13 - LAB USE (MUST BE RETURNED WITH REPORT) 7.75 A-Cood only, ed deg. C. B-HNO3 pH-2
B-HNO3 pH-2
C-H-264, pH-2
D-NaCH ph-12
E-NACMER + NaCH, pH-8
F-Na, 3 O (LADGES)
G-HCL PH-2 × 1965 2511 132 1737 1739 samples are kept at 4 degrees Celsius ☐ **Toledo. OH**3401 Glendale Ave.
3401 Glendale Ave.
Suite 300
Toledo, OH 43614
Fex: (419) 385-5018
Fex: (419) 385-5487 COLLECTION DATE/TIME DATE TIME DATE: IME JME · RETAINED BY HULL A-AR C-ASBESTOS D-BEDIMENT G-GROUNDWAITER P-PRODUCT B-BOIL W-WATTER SAMPLE TYPES WHITE - LAB USE YELLOW - LAB USE | Solon, OH | 6181 Cochran Road | Suite D | Solon, OH 44139 | Phone: (440) 519-2555 | Fax: (440) 519-2560 | RECEIVED FOR LAB BY: METALS RECEIVED BY: DISTRIBUTION: RECEIVED BY: No. of. ¥ 5005-020 SAMPLE TYPE & ID ွပ Phase: TIME: 0%(C) South Sec. DATE: // Day Strue DATE: DATE Ë Ţ Indianapolis, IN 46250 Phone: (317) 558-0558 Fax: (317) 558-0553 ☐ <u>Indianapolis, IN</u>
/ 6330 E. 75th St.
Suite 178 L O : 5w-733 : ociates, inc. - 5w- 60f 6,16.0 527-WS: 54-70B SAMPLE LOCATION Cotty of Northella 312-575: Project #: 53 (459 COOLER TEMPERATURE Dublin, OH 43016 Phone: (614) 793-8777 Fax: (614) 793-9070 6397 Emerald Parkway Suite 200 REPORT TO AS RECEIVED: RELINQUISHED BY: RELINQUISHED BY: RELINQUISHED BY: Dublin, OH Samplers: -Client: **PROJECT** 581059 ġ

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Sample Condition Upon Receipt Face Analytical Client Name:_ Associates Project# 50° Courier: Fed Ex UPS USPS Client Commercial Pace Other Tracking #: Seals intact: ☐ yes Packing Material: Bubble Wrap Type of Ice: (Wet) Blue None Samples on ice, cooling process has begun Thermometer Used 12346ABC/JE Cooler Temperature Ice Visible in Sample Containers: ___ yes Temp should be above freezing to 6°C Date and Initials of person examining Comments: contents:__ Chain of Custody Present: ∰Yes □No DN/A Pres Ono DNA Chain of Custody Filled Out: DYes DNg. DN/A Chain of Custody Relinquished: Sampler Name & Signature on COC: ☑Yes □No □N/A Short Hold Time Analysis (<72hr): ☐Yes ☐No **BN**A ☐Yes ☐No ☐NA Rush Turn Around Time Requested: Containers Intact: Elves UNo ์ □n/a Sample Labels match COC: ☑Yes □No □N/A -Includes date/time/ID/Analysis All containers needing preservation have been pH checked? □Yes □No N/A exceptions: VOA, coliform, TOC, O&G, WI-DRO (water) All containers needing preservation are found to be in ☐Yes ☐No ☐NA compliance with EPA recommendation. □Yes □No □N/A 10. Headspace in VOA Vials (>6mm): Trip Blank Present: □Yes □No DN/A 11. Trip Blank Custody Seals Present ☐Yes ☐No □N/A Project Manager Review Samples Arrived within Hold Time: □Yes □No □N/A 12. Sufficient Volume: ☐Yes ☐No □N/A 13. Correct Containers Used: ÚYes □No □N/A Client Notification/ Resolution: Field Data Required? Person Contacted: Date/Time: Comments/ Resolution: Project Manager Review:

Sample Container Count

Pace Analytical

CLIENT

SOC PAGE

30C 10%

Sample Line

Project #

Comments AG1H BP3N BP3U BP3S AG3S BP2S DG9H AG1U WGFU R 4/6 BP2N BP2U Item $^{\circ}$ ന ø S Ø ∞ ග 10 <u>د</u>... 12

3	TOTAL MILITER VOB VIA	AF	Air Filter	24.4			
7.70				200		ספטר	ANT TOD
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	AG1U Titer unpreserved amberidass AG1H	AD1H	1 libra III			200	COST WILL IST AMORT VIAI
\i	2000		I TO AILDE GIASS	85-1S	BP1Si 1 liter H2SO4 plastic	0000	TOOCH JONE
WGFU	WGFU 4oz clear soil iar	AG40	4 Hitch Libon 4			2650	LOSS 40ML H2SO4 amber via
		2	I like 17204 amper glass	- BP10	BP1U 1 liter unpreserved plactic	1000	- 14 TOP
×	R terra core kit	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 libor Min Think M.		חומפוור היים היים היים	1850	DOST 40ML Na I NIO amber vis
		2	I like Iva i mosmiate amber di	8977	8P17 1 Her NaOH 75 A	2	
RPS	BP2N 500ml HNOs plassic	400		!		200	DGSUI 40mL unbreserved amb
	חופשות הווים	200	Journal HNO3 amber glass	A00A	PD2A G00ml AlaCil Ala ala	·	
1000			001.6	ב ב	COUNTY NACH ASC ACID DIASTIC		Wine/Swah
מאלם	pred bount unpreserved plastic	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	500ml HOSOA ambor was	0000		-	
500	†		Soull Incort alling Class	222	DEVOI SCOME NACH DIASTIC	T U	ACA LINGS CONTRACT LONG
27.00	SPRS SUGIN, M2SO4 plastic	46211	FOOm Improved			3	TO THE MINISTER AND STATE OF THE STATE OF TH
		2	Societ unpreserved amber dia	BP2Z	BPZZ S00ml NaOH Zn An	=	
BENE	BP3N 250mL HNO3 plastic	A C. C.	260ml			ס ו	o summa can
			Couling unipreserved amber dia	BP:34	250mi NaOh Aer Arid slocks		
BP3U	BP3U 250ml unpresenved plactic	1100	- IOI		September 1 Action of the House Hous	L257	40mL HCL clear via!
	מוספול היים היים היים היים היים	5		בממש	BD2C 250ml NigO11 alastic		

Container Codes

ber vial

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r wide

VG9U 40mL unpreserved clear vial VSG Headspace septa vial & HCL

VG9T | 40mL Na Thio. clear vial

WGFX 40z wide jar w/hexane wipe

DG9B 40mL Na Bisulfate amber vial

DG9M 40mL MeOH clear vial

BP3Z 250mL NaOH, Zn Ac plastic

C Air Cassettes

BG1T 1 liter Na Thiosulfate clear gla

AG3S 250mt, H2SO4 glass amber AG1S 1 liter H2SO4 amber glass BP1U 1 liter unpreserved plastic

BP3S 250ml. H2SO4 plastic

BG1S 1 liter H2SO4 clear glass BG1H 1 liter HCL clear glass

BP1A 1 liter NaOH, Asc Acid plastic BG1U 1 liter unpreserved glass

BP3C | 250mL NaOH plastic

ZPLC | Ziploc Bag

Sample Container Count

Pace Analytical

CLIENT: HULL

30C 10%

Sample Line

Project #

Comments BP3N BP3U BP3S AG3S AG1H DG9H AG1U WGFU R 4/6 BP2N BP2U BP2S ltem 10 - က N 2 ₹ છ 9 ထ တ

BP1N 1 liter HNO3 plastic BP1S 1 liter H2SO4 plastic BP1U 1 liter unpreserved plastic BP1Z 1 liter NaOH, Zn, Ac BP2A 500mL NaOH, Asc Acid plastic BP2A 500mL NaOH, plastic BP3Z 500mL NaOH, Zn Ac BP3A 250mL NaOH, Zn Ac BP3C 250mL NaOH, Zn Ac BP3C 250mL NaOH, Zn Ac C Air Cassettes C Air Cassettes DG9B 40mL Na Bisulfate amber visit	Vor A 402 wide jar w/hexane wipe ZPLC Ziploc Bag	WGFX 402 wide jar w/bayana wing	VSG Headspace septa vial & HCI	VG9U 40mL unpreserved clear vial	יייי ייייי ייייי ייייי יייייי ייייייי יייי	VG9T 40mL Na Thio clear vial	VOSTI 40ML HCL clear vial		Climan Con	JGFU 4oz unpreserved amber wide	I wripe/swab	1010	DG9U 40mL unpreserved amber vial	DG91 40mL Na Thio amber vial	SOUTH TEOCH WILLIAM	DG9S 40ml H2SOA ambor viol	UG9P 40ml, TSP amber vial			
	+-	DG9B 40ml. Na Bisulfate amber vial WC	_	+	ole neith		אות הוממוור	+			The plant of the p	ļ				1 liter H2SO4 plastic				
AG1H 1 liter HCL amber glass AG1S 1 liter H2SO4 amber glass AG2N 500mL HNO3 amber glass AG2N 500mL HNO3 amber glass AG2U 500mL H2SO4 amber glass AG2U 500mL unpreserved amber gla BG1H 1 liter HCL clear glass BG1S 1 liter H2SO4 clear glass BG1S 1 liter Na Thiosulfate clear gla BG1U 1 liter Na Thiosulfate clear gla	astic		gga	+	clear glass)			+	-		5			AGIN HIELTICL amper glass				
Container Codes 40mL HCL amber voa vial 1liter unpreserved amber glass 40z clear soil jar terra core kit 500mL HNO3 plastic 500mL unpreserved plastic 500mL HNO3 plastic 250mL HNO3 plastic 250mL Unpreserved plastic 250mL H2SO4 plastic 250mL H2SO4 glass amber 1 liter H2SO4 amber glass	BP1U 1 liter unpreserved plastic	1 liter HZSO4 amber glass	 	-		1	_	_		-	500mi. unpreserved plastic	SOCIET TROS PIESTIC	SOOM! LINGS Species	terra core kit		Sept Same	1 liter unpreserved amher glace	40mL HCL amber voa vial	Container Codes	•



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

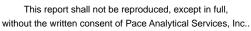
kenneth.hunt@pacelabs.com Project Manager

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









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







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





11/22/10 18:02



ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5043744

Percent Moisture

Sample: SBI059:SW-73B:S005020 Lab ID: 5043744001 Collected: 11/22/10 11:12 Received: 11/22/10 15:46 Matrix: Solid

4.7 %

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 4.4 mg/kg 2.0 11/22/10 00:00 11/27/10 17:14 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 11/30/2010 02:41 PM

REPORT OF LABORATORY ANALYSIS

Page 4 of 8





11/22/10 18:02



ANALYTICAL RESULTS

Project: SBI059 Pace Project No.: 5043744

Percent Moisture

Sample: SBI059:SW-74B:S005020 Lab ID: 5043744002 Collected: 11/22/10 11:14 Received: 11/22/10 15:46 Matrix: Solid

7.7 %

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 5.8 mg/kg 2.1 11/22/10 00:00 11/27/10 17:32 7440-38-2 Arsenic Analytical Method: ASTM D2974-87 **Percent Moisture**

0.10

1

Date: 11/30/2010 02:41 PM

REPORT OF LABORATORY ANALYSIS





QUALITY CONTROL DATA

Project:

SBI059

Pace Project No.:

5043744

QC Batch: QC Batch Method: MPRP/6742

Analysis Method:

EPA 6010

EPA 3050

Analysis Description:

Matrix: Solid

6010 MET

Associated Lab Samples:

5043744001, 5043744002

METHOD BLANK: 511200

Associated Lab Samples:

5043744001, 5043744002

Blank

Reporting

Parameter

Units

Result

Limit

Analyzed

Qualifiers

Arsenic

mg/kg

mg/kg

ND

2.0 11/27/10 13:41

LABORATORY CONTROL SAMPLE: 511201

Parameter

Parameter

Parameter

Units

5043547007

5043744001

Result

24.0

511503

Spike Conc.

LCS Result

LCS % Rec % Rec Limits

105

97

Qualifiers

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:

511202

511203

52.6

MS

Conc.

MS

51.1

MSD Spike Spike

50

MS

77.6

Result

MSD MS Result % Rec

70.2

105

MSD % Rec

90

95

80-120

% Rec Limits

75-125

Max RPD RPD

10

20

Qual

Qual

Arsenic

Arsenic

Units

mg/kg

511504

51.4

51.1

Conc.

MSD

MS

MSD

% Rec

Max

Arsenic

Units mg/kg

Result Conc. 4.4 49.5

Spike Spike Conc.

MS MSD Result Result 52.4

% Rec 53.1

% Rec

Limits 75-125

RPD

RPD 1 20

Date: 11/30/2010 02:41 PM

REPORT OF LABORATORY ANALYSIS This report shall not be reproduced, except in full,

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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

5043443001 Dup Max Parameter Units Result Result **RPD RPD** Qualifiers % 13.1 Percent Moisture 13.6 3 5

SAMPLE DUPLICATE: 511498

Farameter Units Result Result RPD RPD Qualifiers

 Percent Moisture
 %
 7.7
 7.8
 .8
 5

Date: 11/30/2010 02:41 PM







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.

Date: 11/30/2010 02:41 PM

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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& associates, inc.

CHAIN OF CUSTODY RECORD

PAGE ____ OF ___

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Dublin, OH Clindianapolis, IN 6337 Emerald Parkway 6330 E. 75th St. Suite 200 Suite 176 Dublin, OH 43016 Indianapolis, IN 462 Phone. (614) 793-9070 Phone. (317) 558-055 Fax. (614) 793-9070 Phone. (317) 558-055 REPORT TO: Doug ≤	DMason. OH 4900 Parkway Dr. 5400 Parkway Dr. Suite 100 Mason, OH 45040 58 Phone: (513) 459-9669 58 C. (513) 459-9669	JSolon, OH Suife I Cochran F Suife D Solon, OH 441 Phone: (440) 519-	J Toledo. 3401 Gler Sulte 300 Toledo, Ol Phone: (4 Fax: (419)	<u> </u>		NO.
Nor Fei #: 5810 5 8:		QQqq%≱%	C-ASBESTOS 8-1400, pt-2 N-1000	N. NOTHITERED B. BOTH		1 / / / / / / / / / / / / / / / / / / /
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RELINGUISHED BY:	DATE: 1/22/10	RECEIVED BY:	DATE) Deliv	Deliver To:	
RELINQUISHED BY	1 1	RECEIVED BY:	TIME: DATE:	Meth	Method of Delivery:	
RELINQUISHED BY:	DATE:	RECEIVED FOR LAN	LAB BY: DATE: \[\(\begin{align*} \lambda \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	ପ୍ର	Airbill Number:	
COOLER TEMPERATURE AS RECEIVED:	4. (p °c	DISTRIBUTION: WHITE -L	MUST BE RETURNED WI			
		YELLOW -L	-LAB USE -RETAINED BY HULL	TUR	TURN AROUND TIME:	DAYS

NIT Clientdel

Sal	mple	Con	gillo	n Upon Receipt	
Pace Analytical Client Name		114	-As	380C.	Project # 50 437 4 4
Courier: Fed Ex UPS USPS Cue	nt 🗌	Comn	nercial	Pace Other	
Tracking #:					_
Custody Seal on Cooler/Box Present: yes	(a	no	Seals	s intact: yes	∐ no
Packing Waterial: Bubble Wrap Bubble	Bags		None /	Tother SA	9P1/1(e/ZP(C
Thermometer Used 12346 ABCDE	Туре	of Ice	We	Blue None	Samples on ice, cooling process has begun
Cooler Temperature 4.0	Ice	Visibl	le in Sa	ample Containers:	yes o
Temp should be above freezing to 6°C				Comments:	Date and Initials of person examining
Chain of Custody Present:	60	□ NI=	□n/a	1	contents: 1/77/0/to
	(LIYe)	□No			
Chain of Custody Filled Out:	-			 	
Chain of Custody Relinquished:	+ -			1	
Sampler Name & Signature on COC:	f	1 40		 	
Short Hold Time Analysis (<72hr):			□N/A		
Rush Turn Around Time Requested: Containers Intact:	Yes		□N/A		
Sample Labels match COC:			□n/a □n/a	 	
·	/ Fres	L_1100	⊔N/A	8.	
-Includes date/time/ID/Analysis All containers needing preservation have been pH checked?	[]/-		DINIA		
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	∟Yes	LJNo	KIKIA	9.	
All containers needing preservation are found to be in compliance with EPA recommendation.	□Yes	□No	PRIA		
Headspace in VOA Vials (>6mm):	□Yes	□No	Z N/A	10.	
Trip Blank Present:	□Yes	□No	D/N/A	11.	
Trip Blank Custody Seals Present	□Yes	□No	D]N/A		
Project Manager Review	1				
Samples Arrived within Hold Time:	Yes	□No	□n/a	12.	
Sufficient Volume:	Aves	□No	□n/a	13.	
Correct Containers Used:	Ves	□No	□n/a	14.	
Client Notification/ Resolution:	/				Field Data Required? Y / N
Person Contacted:		 .	Date/1	Time:	
Comments/ Resolution:			•		
					
					
					
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,				· · · · · · · · · · · · · · · · · · ·	
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Project Manager Review:	T 9	HIN.	112		Date: /// //

Sample Container Count

CLIENT: HULL ASSOC

COC PAGE

30C ID#

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Pace Analytical Comments BP3N BP3U BP3S AG3S AG1H Project # 5743) 44 DG9H AG1U WGFU R 4/6 BP2N BP2U BP2S Sample Line Item 5

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		DG9P 40mL TSP amber vial	DG9S 40ml H2SO4 amber vial	To the state of th	UCST 40mL Na I hio amber viai	40mL unpreserved amber vial	. 9	wipe/swap	A Commence of the Commence of	adi o 402 unpreserved amber wide	Summa Can		VG9H 40mt HCl plearyiel	מבים אומו	40mL Na Thio. clear vial	Annual Inches	TOTAL MUDICIPALITY CIERT VISI	VSG Headspace sents vist & HC	יייייייייייייייייייייייייייייייייייייי	WOFX 40z wide jar w/hexane wipe	ZPLC Ziploc Rad
		UGSP	DG9S	2000	200	<u>0690</u>	-	_	ושטו	5	Ξ)	VG9H	100	185^	1105/		NSG NSG	1000	VVGTX	ZPIC
	RD4N 1 lifer UNOs aleation	THE LINE DIABILE	1 liter H2SO4 plastic		and programme and programme	BP12 1 liter NaOH, Zn, Ac	BP2A 500ml NaOH Acc Acid placetic	י מפתווב ואמטון, שפר אכום חומפווני	BP20 500mL NaOH plasfic		BP2Z 500mL NaOH, Zn Ac		Dr.3A ZoumL NaOh, Asc Acid plastic	BD2C 250ml NaOL plactic	FOUR MACH PRACTIC	BP3Z 250mL NaOH, Zn Ac plastic		C Air Cassettes	DG9R 40ml No Biguifate ambania	Tour 14a Disdicate alliber vial	DG9M 40mL MeOH clear vial
	APAR	5	BP1S	BP1		2 2	BP2A	i	BP20		87.77	400	DF-3A	BD2C	3	BP3Z	(ر	AOC.C	2	DG9M
	AF Air Filter	101	ACIH 1 liter HCL amber glass	AG1S 1 liter H2SO4 amber glass	AG1T 1 liter No Thiomilliate contract	ince ind timosoliate arriber gi	AGZN 500mL HNO3 amber glass	, , , , , , , , , , , , , , , , , , , ,	AGES SUUML HZSO4 amber glass	Enotation of the second of the	Comment and an amper dia	AG311 250ml unpresented ambor ala	בסמוור מולוופפכו אבת שונותבו לוש	BG1H 1 liter HCL clear class		DO 13 1 III PER MESO 4 Clear glass	BG17 1 lifer Na Thiosulfato closs ale	יוירו וים וווספתוומני חבשו לום	BG1U 1 liter unpreserved class		Dr IA LIRET NAUH, ASC Acid plastic
	AF	ı	- 1	AG1S	AG1T		AGZN	A C.O.A.	AGES	A C. 21	220	AG313)	BG1H	0,00	00.00	FG17	:	BG10	4 70 0	
Container Codes	DG9H 40mL HCL amber voa vial	Titler unbreson/od ambor aloca	mer unpreserved annuel glass	WGFU 40z clear soil jar	terra core kit	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SOUTHL HINUS PIASTIC	500ml unpresented plastic	בספוור חולופספו אכת לומסווני	500mL H2SO4 plastic		BP3N 250mL HNO3 plastic		BF3U Z50mL unpreserved plastic	BP3S 250ml H2SOA plactic	בספור ובססל אומספר	AG3S 250mL H2SO4 glass amber		AGIS 1 liter H2SO4 amber glass	BP4U 1 liter unpresented plactic	ייים מילט בפני אבת לומפתר
	H690	AGTU		WGFU	œ	INCOO	מוקומ	BP2U		BP2S		N N N		BF30	BP3S	3	AG3S	3	AGIO	BP111	

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

l Contact: ita
Zip Coo 46614
me/Number of Drums:
ON
1/DD/YY)
<u> </u>



NON-HAZARDOUS WAM APPROVAL FORM

Requested Disposal Facility Earthmovers La	andfill				***************************************
Profile Number 603041IN	Waste Approval	Expiration Date <u>09</u>	/29/2011		
	APPROVAL DETAILS	W			
Approval Decision: Approved No	t Approved	Profi	le Renewal:	☐ Yes	☑ No
Management Method: Alternate Daily Cover	(ADC)		Chapter and the Control of the Contr		
Management Facility Precautions, Special Hand	lling Procedures or Limitation on approva	1:			
Additional Conditions:					
Profile Amendment Request dated 09/29/ - Waste name (C.1.a.) to read "Petrole					
- Section E.5. to read only analytical		059 apply to this	waste.		
		EM . 2017. 1017.		Line Andrews Branch Harris Make	
					and the state of t
	Manufacture and the second sec				
			1-14-14-14-14-14-1-1-1-1-1-1-1-1-1-1-1-	·····a··········a··a··a··a·a··aa··aa··	H. Calendaria de la compansión de la compa
WM Authorization Name: <u>Joe Kash</u>		Títle:	Waste App	roval Mar	nager
WM Authorization Signature:		Date:	09/29/2010)	
Agency Authorization (if Required):					

NORFOLK BUTHERN RR EXCANATIONS A A B ALTERNAME DATILY COVER

Customer Summary Report

Criteria: 10/04/2010 12:00 AM to 12/23/2010 11:59 PM

Business Unit Name: Earthmovers - 502882 (USA)

Date: Dec 29 2010, 8:49:09 AM - Central Standard Time

Customer Name: JOHN BOETTCHER SEWER (JOHN BOETTCHER SEWER & EXC)

Hicket Date	Hokel Date Customer Gener	Generator Matchal	Wanifest	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
16/4/2010	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-Tors	ST JOSEPH-71	\$17.00	14.05	\$238.85	20.00	\$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	STJOSEPH-71	\$17.00	21.16	\$359.72	00 05	\$359.72
10/4/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.90	14.29	\$242 93	\$0.00	\$242.93
10/5/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	S03041in	Cont Soil RCG-Tons	TZ-Hd3SOI 1S	\$17.30	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	Cent Soil RCG-Tons	ST JOSEPH-71	\$17.00	24.88	\$422.96	\$0.00	\$422.96
10/5/2010	лони воеттснея	141-CITY OF SOUTH BEND	603041in	Cent Soil RCG-Tons	ST JOSEPH-71	\$17.00	18.06	\$307.02	50.00	\$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	ЈОНИ ВОЕТТСНЕЯ	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	603041ın	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	\$2.59.25	\$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 JOSEРН-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	20.00	\$413.95
10/7/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041ın	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	603043In	Cont Soul 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	603041m	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	603041ın	Cont Soil RCG-Tons	ST JOSEPH-71	517.00	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	\$360.05	\$0.00	\$360.06
10/7/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041 in	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	503041m	Cont Soil RCG-Tons	ST JOSEPH-73	\$17.00	20.41	\$346 97	\$0.00	\$346.97
10/7/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041m	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	603041ın	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	30.00	\$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	6030411N	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	16.34	\$277.78	\$0.00	\$2.77.78
10/7/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041IN	Cont Soil RCG-Tons	ST JOSEPH-71	217.00	20.64	\$350.88	20.00	\$350 88
10/7/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041IN	Cont Soil RCG-Tons	ST JOSEPH-71	517.00	21.27	\$361.59	\$0.00	\$361.59
10/8/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	5T 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	00.712	17.84	\$303.28	\$0.00	\$303.28
10/8/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	503041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	16.85	\$286.45	\$0.00	5286.45
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	80.00	\$302 28
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	603043in	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	603041sn	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	17.96	\$305.32	\$0.00	\$305.32
10/8/2010	JOHN 80ETTCHER	141-CITY OF SOUTH BEND	S03041m	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	5Т JOSEРН-71	\$17.00	16.82	\$285.94	\$0.00	\$285.94
10/8/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041ın	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	603041ın	Cont Soil RCG-Fors	ST JOSEPH-71	\$17.00	19.71	\$335.07	\$6.00	\$335.07
10/8/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	503041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	18.24	\$310.08	20.00	\$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	5346.29
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

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0102/8/01	JOHN BOETTCHER	141-CITY OF SOUTH BEND	503041m	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	18.99	\$322 83	\$0.00	\$322.83
10/8/2010	JOHN SOETTCHER	141-CITY OF SOUTH BEND	603041ın	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	19 69	\$334.73	\$0.00	5334.73
10/8/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041m	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	603041m	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	603041ın	Cant Sail RCG-Tans	ST JOSEPH-71	\$17.00	19.88	\$337.96	\$0.00	5337.96
10/11/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041ın	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 30SEPH-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 Soit 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	80.00	\$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	ст лоѕерн-71	\$17.00	18	5306.00	90:0\$	\$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	20.00	\$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	503041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	14.88	\$252.96	20.00	\$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	S0.0C	\$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	20.00	\$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	603 041 in	Cant Soil RCG-Tans	ST JOSEPH-71	\$17.00	18.02	\$306.34	\$0.00	\$306.34
10/27/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603 041 in	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 Soll 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	603041ın	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	603041tn	Cont Soil RCG-Tans	ST JOSEPH-71	\$17.00	15.66	\$266.22	\$0.00	\$266.22
0102/72/01	JOHN BOETTCHER	142-CITY OF SOUTH BEND	603041m	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	603041ın	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	5243.27	\$0.00	\$243.27

10/28/2010	JOHN BOETTCHER	141-C:TY OF SOUTH BEND	603041m	Cont Soil RCG- Tons	ST JOSEPH 73	\$17.00	18.08	\$307.36	\$0.00	\$307.36
10/28/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041ın	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	14 12	\$240.04	\$0.00	\$240.04
10/28/2010	JOHN SOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	36 57	\$271 66	00 D\$	\$271.66
10/28/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	5т лоѕерн-71	\$17.00	65 51)	\$265.03	00 0\$	\$265.03
10/28/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041In	Cont Sait RCG-Tons	ST JOSEPH-71	\$17.00	19.85	\$337.45	80.00	5337.45
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-73	\$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	80.00	\$321.98
10/28/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041In	Cont Soil RCG-Tons	ST JOSEPH-71	S17.00	14 83	\$252.11	\$0.00	\$252.11
11/4/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041tn	Cont Soil RCG-Tons	ST JOSEPH-71	817 00	18.06	\$307.02	\$0.00	\$307.02
11/4/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041ın	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	9.87	\$167.79	\$0.00	\$167.79
11/4/2010	JOHN BOETTCHER	121-CITY OF SOUTH BEND	603041m	Cont Soil RCG-Tons	ST JOSEPH-71	00.71\$	21 81	5370.77	\$0.00	5370.77
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	6030414N	Cont Sail RCG-Tons	ST JOSEPH-71	\$17.00	18.22	\$309.74	80.00	\$309.74
11/4/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tans	ST JOSEPH-71	\$17.00	12.79	\$217.43	\$0.00	\$217.43
11/5/2010	JOHN BOETTCHER	141-CMY 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	80.00	\$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	\$268.25	\$0.00	\$268.26
11/15/2010	JOHN BOETTCHER	141-CITY OF SOUTH BEND	603041in	Cont Soil RCG-Tons	ST JOSEPH-71	\$17.00	18.65	\$317.22	\$0.00	5317.22
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							82.11.20			\$35,925.91
Customer Total										
Ticket Totals										

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Ticket Date 💝 💝 Ticket ID Cust Code MAS Unique (Ticket ID	epos sino	MAS Unique ID	D Customer	Generator	Manifest	Profile	Truck	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	6030411N	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	603041fN	716	Cont Soil RCG-Tons
10/5/2010	928547	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041tN	716	Cont Soil RCG-Tons
10/5/2010	928548	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041!N	757	Cont Soil RCG-Tons
10/5/2010	928583	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	6030411N	757	Cont Soil RCG-Tons
10/5/2010	928592	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	6030411N	716	Cont Soil RCG-Tons
10/5/2010	928604	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	6030411N	757	Cont Soil RCG-Tons
10/5/2010	928612	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	6030411N	716	Cont Soil RCG-Tons
10/5/2010	928629	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	6030411N	757	Cont Soil RCG-Tons
10/5/2010	928632	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	6030411N	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	603041fN	757	Cont Soil RCG-Tons
10/6/2010	928772	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	6030411N	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	603041tN	757	Cont Soil RCG-Tons
10/7/2010	928970	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	6030411N	718	Cont Soil RCG-Tons
10/7/2010	928982	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	6030411N	716	Cont Soil RCG-Tons
10/7/2010	928998	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041tN	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	Origin	elea	Rate Unit	Rate Oty	Yands	Tons	Material Revenue	Tax Revenue	Rate Rate Unit Rate Oty Trands Tons Material Revenue Tax Revenue Surcharge Revenue Total	Total
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00 TON	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	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	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	TON	14.05	20	14.05	\$238.82	\$0.00	\$0.00	\$238.85
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00 TON	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	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	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	YON	16.53	20	16.53	\$281.01	\$0.00	\$0.00	\$281.01
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00 TON	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	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	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	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	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	NOT	24.53	30	24.53	\$417.01	\$0.00	\$0.00	\$417.01
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	NOT 00.71\$	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	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	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	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	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	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	NOL	24.35	30	24.35	\$413.95	\$0.00	\$0.00	\$413.95
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00 TON	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	TON	24.52	90	24.52	\$416.84	\$0.00	\$0.00	\$416.84
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00 TON	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	TON	22.8	æ	22.8	\$387.60	\$0.00	\$0.00	\$387.60
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00 TON	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	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	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	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	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	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	TON	20.41	8	20.41	\$346.97	\$0:00	\$0.00	\$346.97

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	100021	203	JOHN BOETTCHER SEWER & EXC 1.4	141-CITY OF SOUTH BEND	603041in	603041IN	716	Cont Soil RCG-Tons
10/7/2010	929019	203	JOHN BOETTCHER SEWER & EXC 14	141-CITY OF SOUTH BEND	603041in	603041IN	718	Cont Soil RCG-Tons
10/7/2010	929027	203	JOHN BOETTCHER SEWER & EXC 14	141-CITY OF SOUTH BEND	603041in	603041IN	757	Cont Soil RCG-Tons
10/7/2010	929031	203	JOHN BOETTCHER SEWER & EXC 14	141-CITY OF SOUTH BEND	603041in	603041IN	216	Cont Soil RCG-Tons
10/7/2010	929047	203	JOHN BOETTCHER SEWER & EXC 14	141-CITY OF SOUTH BEND	6030411N	603041IN	716	Cont Soil RCG-Tons
10/7/2010	929061	203	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041IN	603041IN	757	Cont Soil RCG-Tons
10/7/2010	929063	203	JOHN BOETTCHER SEWER & EXC 14	141-CITY OF SOUTH BEND	603041IN	6030411N	716	Cont Soil RCG-Tons
10/8/2010	929063	203	JOHN BOETTCHER SEWER & EXC 14	141-CITY OF SOUTH BEND	603041in	603041iN	757	Cont Soil RCG-Tons
10/8/2010	929071	203	JOHN BOETTCHER SEWER & EXC 14	141-CITY OF SOUTH BEND	603041in	6030411N	716	Cont Soil RCG-Tons
10/8/2010	929095	203	JOHN BOETTCHER SEWER & EXC 14	141-CITY OF SOUTH BEND	603041in	603041fN	718	Cont Soil RCG-Tons
10/8/2010	660626	203	JOHN BOETTCHER SEWER & EXC 14	141-CITY OF SOUTH BEND	603041in	603041fN	716	Cont Soil RCG-Tons
10/8/2010	929106	203	JOHN BOETTCHER SEWER & EXC 14	141-CITY OF SOUTH BEND	603041in	603041iN	757	Cont Soil RCG-Tons
10/8/2010	929115	203	JOHN BOETTCHER SEWER & EXC 14	141-CITY OF SOUTH BEND	603041in	6030413N	718	Cont Soil RCG-Tons
10/8/2010	929121	203	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	6030411N	716	Cont Soil RCG-Tons
10/8/2010	929128	203	JOHN BOETTCHER SEWER & EXC 14	141-CITY OF SOUTH BEND	603041in	6030411N	757	Cont Soil RCG-Tons
10/8/2010	929136	203	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	6030411N	718	Cont Soil RCG-Tons
10/8/2010	929138	203	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	716	Cont Soil RCG-Tons
10/8/2010	929145	203	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	6030411N	757	Cont Soil RCG-Tons
10/8/2010	929149	203	JOHN BOETTCHER SEWER & EXC 1.	141-CITY OF SOUTH BEND	603041in	603041IN	718	Cont Soil RCG-Tons
10/8/2010	929151	203	JOHN BOETTCHER SEWER & EXC 1-	141-CITY OF SOUTH BEND	603041in	603041IN	716	Cont Soil RCG-Tons
10/8/2010	929169	203	JOHN BOETTCHER SEWER & EXC 14	141-CITY OF SOUTH BEND	603041in	603041IN	757	Cont Soil RCG-Tons
10/8/2010	929175	203	JOHN BOETTCHER SEWER & EXC 1.	141-CITY OF SOUTH BEND	603041in	603041IN	718	Cont Soil RCG-Tons
10/8/2010	929178	203	JOHN BOETTCHER SEWER & EXC 1.	141-CITY OF SOUTH BEND	603041in	603041IN	716	Cont Soil RCG-Tons
10/8/2010	929192	203	JOHN BOETTCHER SEWER & EXC 1.	141-CITY OF SOUTH BEND	603041in	603041IN	757	Cont Soil RCG-Tons
10/8/2010	929199	203	JOHN BOETTCHER SEWER & EXC 1.	141-CITY OF SOUTH BEND	603041in	603041IN	718	Cont Soil RCG-Tons
10/8/2010	929204	203	JOHN BOETTCHER SEWER & EXC 1.	141-CITY OF SOUTH BEND	603041in	603041IN	716	Cont Soil RCG-Tons
10/8/2010	929216	203	JOHN BOETTCHER SEWER & EXC 1	141-CITY OF SOUTH BEND	603041in	603041IN	757	Cont Soil RCG-Tons
10/8/2010	929220	203	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041!N	718	Cont Soil RCG-Tons
10/8/2010	922626	203	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	6030411N	716	Cont Soil RCG-Tons
10/11/2010	929281	503	JOHN BOETTCHER SEWER & EXC 1	141-CITY OF SOUTH BEND	603041in	6030411N	757	Cont Soil RCG-Tons
10/11/2010	929283	203	JOHN BOETTCHER SEWER & EXC 1.	141-CITY OF SOUTH BEND	603041in	6030411N	716	Cont Soil RCG-Tons
10/11/2010	929285	203	JOHN BOETTCHER SEWER & EXC 1.	141-CITY OF SOUTH BEND	603041in	6030411N	718	Cont Soil RCG-Tons
10/11/2010	929309	203	JOHN BOETTCHER SEWER & EXC 1	141-CITY OF SOUTH BEND	603041in	6030411N	757	Cont Soil RCG-Tons

Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00 TON	TON	18.47	2	18.47	\$313.99	\$0.00	\$0.00	\$313.99
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00 TON	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	TON	20.31	30	20.31	\$345.27	\$0.00	\$0.00	\$345.27
Unspecified Contaminated Soil, PIMT RCG	ST JOSEPH-71	NOT 00.71\$	NOL	18.21	20	18.21	\$309.57	\$0.00	00.0\$	\$309.57
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00 TON	NOT	16.34	20	16.34	\$277.78	\$0.00	\$0.00	\$2.77.78
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	NO1 00.71\$	NOL	20.64	30	20.64	\$320.88	\$0.00	\$0.00	\$350.88
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00 TON	TON	21.27	20	71.27	\$361.59	\$0.00	\$0.00	\$361.59
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00 TON	NOI	20.14	30	20.14	\$342.38	\$0.00	00:0\$	\$342.38
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00 TON	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	TON	17.84	20	17.84	\$303.28	\$0.00	00:0\$	\$303.28
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00 TON	TON	16.85	20	16.85	\$286.45	\$0.00	\$0.00	\$286.45
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	NOT 00.71\$	NOT	25.57	30	25.57	\$434.69	\$0.00	00:0\$	\$434.69
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00 TON	NOT	18.41	20	18.41	\$312.97	\$0.00	\$0.00	\$312.97
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00 TON	NOT	17.78	20	17.78	\$302.26	\$0.00	\$0.00	\$302.26
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00 TON	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	NOT	17.71	20	17.71	\$301.07	\$0.00	\$0.00	\$301.07
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00 TON	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	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	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	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	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	TON	19.71	20	19.71	\$335.07	\$0.00	00:0\$	\$335.07
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00 TON	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	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	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	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	TON	18.99	R	18.99	\$322.83	\$0.00	\$0.00	\$322.83
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00 TON	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	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	TON	20.21	9	20.21	\$343.57	\$0.00	\$0.00	\$343,57
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00 TON	TON	19.88	20	19.88	\$337.96	\$0.00	\$0.00	\$337.96
Unspecified Contaminated Soil, PMT RCG	ST 30SEPH-71	\$17.00 TON	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	TON	21.08	30	21.08	\$358.36	\$0.00	\$0.00	\$358.36

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10/11/2010	929313	203	7	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	718	Cont Soil RCG-Tons
10/11/2010	929322	203	7	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	716	Cont Soil RCG-Tons
10/15/2010	930070	203	Γ,	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	757	Cont Soil RCG-Tons
10/18/2010	930181	203	7	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	757	Cont Soil RCG-Tons
10/18/2010	930188	203	<u>-1</u>	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	718	Cont Soil RCG-Tons
10/18/2010	930189	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	7	Cont Soil RCG-Tons
10/21/2010	930709	203	,	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	718	Cont Soil RCG-Tons
10/21/2010	930754	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	716	Cont Soil RCG-Tons
10/21/2010	930814	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	6030411N	3	Cont Soil RCG-Tons
10/21/2010	930820	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	716	Cont Soil RCG-Tons
30/21/2010	930835	203	- 3	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	6030411N	718	Cont Soil RCG-Tons
10/21/2010	930855	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	3	Cont Soil RCG-Tons
10/21/2010	930859	203	,	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	716	Cont Soil RCG-Tons
10/26/2010	931237	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	718	Cont Soil RCG-Tons
10/26/2010	931254	203	,	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	6030411N	716	Cont Soil RCG-Tons
10/26/2010	931266	203	•	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041IN	603041IN	718	Cont Soil RCG-Tons
10/26/2010	931273	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	716	Cont Soil RCG-Tons
10/27/2010	931409	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	715	Cont Soil RCG-Tons
10/27/2010	931412	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	757	Cont Soil RCG-Tons
10/27/2010	931430	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	715	Cont Soil RCG-Tons
10/27/2010	931454	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	715	Cont Soil RCG-Tons
10/27/2010	931470	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	716	Cont Soil RCG-Tons
10/27/2010	931481	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041!N	715	Cont Soil RCG-Tons
10/27/2010	931497	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	6030411N	716	Cont Soil RCG-Tons
10/27/2010	931502	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	715	Cont Soil RCG-Tons
10/28/2010	931515	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	716	Cont Soil RCG-Tons
10/28/2010	931532	203	·	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041iN	757	Cont Soil RCG-Tons
10/28/2010	931543	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041iN	716	Cont Soil RCG-Tons
10/28/2010	931550	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041!N	757	Cont Soil RCG-Tons
10/28/2010	931555	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	6030411N	716	Cont Soil RCG-Tons
10/28/2010	931566	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	757	Cont Soil RCG-Tons
10/28/2010	931573	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	716	Cont Soil RCG-Tons
10/28/2010	931600	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	6030411N	757	Cont Soil RCG-Tons

Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00 TON	NOT	21.78	20	21.78	\$370.26	\$0.00	\$0.00	\$370.26
Unspecified Contaminated Soil, PIMT RCG	ST JOSEPH-71	\$17.00 TON	TON	18.38	20	18.38	\$312.46	\$0.00	\$0.00	\$312.46
Unspecified Contaminated Soil, PIMT RCG	ST JOSEPH-71	\$17.00 TON	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	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	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	TON	18	20	18	\$306.00	\$0.00	\$0.00	\$306.00
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00 TON	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	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	NOT	15.68	20	15.68	\$266.56	\$0.00	00:0\$	\$266.56
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00 TON	NOT	16.89	20	16.89	\$287.13	\$0.00	00:0\$	\$287.13
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00 TON	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	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	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	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	NOT	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	NOT	12.83	20	12.83	\$218.11	\$0.00	\$0.00	\$218.11
Unspecified Contaminated Soil, PMT RCG	ST JOSEPH-71	\$17.00 TON	TON	19.8	30	19.8	\$336.60	\$0.00	\$0.00	\$336.60
Unspecified Contaminated Soil, PMT RCG	ST IOSEPH-71	\$17.00 TON	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	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	TON	18.56	20	18.56	\$315.52	\$0.00	00:0\$	\$315.52
Unspecified Contaminated Soit, PMT RCG	ST JOSEPH-71	\$17.00 TON	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	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	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	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	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	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	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	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	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	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	TON	18.94	30	18.94	\$321.98	\$0.00	00.0\$	\$321 98

10/28/2010	931610	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	716	Cont Soil RCG-Tons
11/1/2010	186126	203		IOHN ROETTCHER SEWIER & EYC	141 CITY OF SOUTH BEND	603041in	6020411N	charlie	Cont Soil RGG Tone
11/4/2010	932387	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	6030411N	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	1	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	1	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	_3	JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	603041IN	757	Cont Soil RCG-Tons
11/5/2010	932527	203	1	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	533555	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	603041tN	718	Cont Soil RCG-Tons
12/2/2010	935379	203		JOHN BOETTCHER SEWER & EXC	141-CITY OF SOUTH BEND	603041in	6030411N	718	Cont Soil RCG-Tons
				-					
Internal Customer	Loads	Yards	Tons	Total Ticket Amount		· •			
External Customer	Loads	Yards							
JOHN BOETTCHER SEWER & EXC	207	4900	\$3,879.73	66025.41					

EPH-71 \$17.00 TON 18.06 20 21.35 EPH-71 \$17.00 TON 18.06 20 18 EPH-71 \$17.00 TON 21.81 30 21 EPH-71 \$17.00 TON 19.58 20 19 EPH-71 \$17.00 TON 18.22 20 19 EPH-71 \$17.00 TON 17.43 20 17 EPH-71 \$17.00 TON 17.43 20 17 EPH-71 \$17.00 TON 16.82 20 16 EPH-71 \$17.00 TON 19.03 30 19 EPH-71 \$17.00 TON 10.55 20 10 EPH-71 \$17.00 TON 9.15 30 9 EPH-71 \$17.00 TON 10.55 20 15 EPH-71 \$17.00 TON 10.55 20 15 EPH-71 \$17.00 TON	\$17.00 TON 14.83 20	14.83 \$25	\$252.11 \$0.00	\$0.00	\$252.11
\$TJOSEPH-71 \$17.00 TON 18.06 20 18 \$STJOSEPH-71 \$17.00 TON 21.81 30 21 \$STJOSEPH-71 \$17.00 TON 19.58 20 19 \$STJOSEPH-71 \$17.00 TON 18.22 20 19 \$STJOSEPH-71 \$17.00 TON 12.79 30 12 \$STJOSEPH-71 \$17.00 TON 17.43 20 17 \$STJOSEPH-71 \$17.00 TON 16.82 20 16 \$STJOSEPH-71 \$17.00 TON 11.46 20 11 \$STJOSEPH-71 \$17.00 TON 11.46 20 11 \$STJOSEPH-71 \$17.00 TON 10.55 20 10 \$STJOSEPH-71 \$17.00 TON 10.55 20 10 \$STJOSEPH-71 \$17.00 TON 10.65 20 15 \$STJOSEPH-71 \$17.00 TON 10.65 20 15 \$STJOSEPH-71 \$17.00 TON 10.83 20 10 <	21.35		00:03 50:2983	- 00.0\$	-\$368 OE
\$1JOSEPH-71 \$17.00 TON 9.87 20 9 \$1JOSEPH-71 \$17.00 TON 19.58 20 19 \$1JOSEPH-71 \$17.00 TON 18.22 20 18 \$1JOSEPH-71 \$17.00 TON 12.79 30 12 \$1JOSEPH-71 \$17.00 TON 17.43 20 16 \$1JOSEPH-71 \$17.00 TON 16.82 20 16 \$1JOSEPH-71 \$17.00 TON 19.03 30 19 \$1JOSEPH-71 \$17.00 TON 10.55 20 10 \$1JOSEPH-71 \$17.00 TON 9.15 30 9 \$1JOSEPH-71 \$17.00 TON 9.15 30 9 \$1JOSEPH-71 \$17.00 TON 9.15 30 15 \$1JOSEPH-71 \$17.00 TON 18.66 20 15 \$1JOSEPH-71 \$17.00 TON 10.83 20 10 \$1JOSEPH-71 \$17.00 TON 10.83 20 10	18.06		\$307.02	\$0.00	\$307.02
STJOSEPH-71 \$17.00 TON 21.81 30 21 STJOSEPH-71 \$17.00 TON 19.58 20 19 STJOSEPH-71 \$17.00 TON 12.79 30 12 STJOSEPH-71 \$17.00 TON 17.43 20 17 STJOSEPH-71 \$17.00 TON 16.82 20 16 STJOSEPH-71 \$17.00 TON 19.03 30 19 STJOSEPH-71 \$17.00 TON 10.65 20 11 STJOSEPH-71 \$17.00 TON 10.55 20 10 STJOSEPH-71 \$17.00 TON 9.15 30 9 STJOSEPH-71 \$17.00 TON 10.55 20 15 STJOSEPH-71 \$17.00 TON 18.66 20 15 STJOSEPH-71 \$17.00 TON 18.66 20 15 STJOSEPH-71 \$17.00 TON 10.83 20 10 STJOSEPH-71 \$17.00 TON 10.83 20 10	9.87		\$167.79	\$0.00	\$167.79
\$1JOSEPH-71 \$17.00 TON 19.58 20 19 \$1JOSEPH-71 \$17.00 TON 18.22 20 18 \$1JOSEPH-71 \$17.00 TON 12.79 30 17 \$1JOSEPH-71 \$17.00 TON 16.82 20 16 \$1JOSEPH-71 \$17.00 TON 19.03 30 19 \$1JOSEPH-71 \$17.00 TON 11.46 20 11 \$1JOSEPH-71 \$17.00 TON 10.55 20 10 \$1JOSEPH-71 \$17.00 TON 10.55 20 10 \$1JOSEPH-71 \$17.00 TON 15.78 20 15 \$1JOSEPH-71 \$17.00 TON 18.66 20 15 \$1JOSEPH-71 \$17.00 TON 18.66 20 18 \$1JOSEPH-71 \$17.00 TON 10.83 20 10	21.81		\$370.77 \$0.00	\$0.00	\$370.77
STJOSEPH-71 \$17.00 TON 18.22 20 18 STJOSEPH-71 \$17.00 TON 12.79 30 12 STJOSEPH-71 \$17.00 TON 16.82 20 16 STJOSEPH-71 \$17.00 TON 19.03 30 19 STJOSEPH-71 \$17.00 TON 10.55 20 10 STJOSEPH-71 \$17.00 TON 10.55 20 10 STJOSEPH-71 \$17.00 TON 9.15 30 9 STJOSEPH-71 \$17.00 TON 15.78 20 15 STJOSEPH-71 \$17.00 TON 18.66 20 18 STJOSEPH-71 \$17.00 TON 10.83 20 18 STJOSEPH-71 \$17.00 TON 10.83 20 10	19.58		\$332.86 \$0.00	\$0.00	\$332.86
STJOSEPH-71 \$17.00 TON 12.79 30 12 STJOSEPH-71 \$17.00 TON 17.43 20 17 STJOSEPH-71 \$17.00 TON 19.03 30 19 STJOSEPH-71 \$17.00 TON 11.46 20 11 STJOSEPH-71 \$17.00 TON 10.55 20 10 STJOSEPH-71 \$17.00 TON 9.15 30 9 STJOSEPH-71 \$17.00 TON 15.78 20 15 STJOSEPH-71 \$17.00 TON 18.66 20 18 STJOSEPH-71 \$17.00 TON 10.83 20 18 STJOSEPH-71 \$17.00 TON 10.83 20 10	18.22		\$309.74 \$0.00	\$0.00	\$309.74
ST JOSEPH-71 \$17.00 TON 17.43 20 17 ST JOSEPH-71 \$17.00 TON 16.82 20 16 ST JOSEPH-71 \$17.00 TON 11.46 20 11 ST JOSEPH-71 \$17.00 TON 10.55 20 10 ST JOSEPH-71 \$17.00 TON 9.15 30 9 ST JOSEPH-71 \$17.00 TON 15.78 20 15 ST JOSEPH-71 \$17.00 TON 18.66 20 18 ST JOSEPH-71 \$17.00 TON 10.83 20 18	12.79		\$217.43 \$0.00	\$0.00	\$217.43
\$TJOSEPH-71 \$17.00 TON 16.82 20 16 \$TJOSEPH-71 \$17.00 TON 19.03 30 19 \$TJOSEPH-71 \$17.00 TON 10.55 20 10 \$TJOSEPH-71 \$17.00 TON 9.15 30 9 \$TJOSEPH-71 \$17.00 TON 15.78 20 15 \$TJOSEPH-71 \$17.00 TON 18.66 20 18 \$TJOSEPH-71 \$17.00 TON 10.83 20 10	17.43		\$296.31 \$0.00	\$0.00	\$296.31
\$TJOSEPH-71 \$17.00 TON 19.03 30 19 \$TJOSEPH-71 \$17.00 TON 11.46 20 11 \$TJOSEPH-71 \$17.00 TON 10.55 20 10 \$TJOSEPH-71 \$17.00 TON 9.15 30 9 \$TJOSEPH-71 \$17.00 TON 15.78 20 15 \$TJOSEPH-71 \$17.00 TON 18.66 20 18 \$TJOSEPH-71 \$17.00 TON 10.83 20 10	16.82		\$285.94 \$0.00	\$0.00	\$285.94
\$TJOSEPH-71 \$17.00 TON 11.46 20 11 \$TJOSEPH-71 \$17.00 TON 10.55 20 10 \$TJOSEPH-71 \$17.00 TON 9.15 30 9 \$TJOSEPH-71 \$17.00 TON 15.78 20 15 \$TJOSEPH-71 \$17.00 TON 18.66 20 18 \$TJOSEPH-71 \$17.00 TON 10.83 20 10	19.03		\$323.51 \$0.00	\$0.00	\$323.51
STJOSEPH-71 \$17.00 TON 10.55 20 10 STJOSEPH-71 \$17.00 TON 9.15 30 9 STJOSEPH-71 \$17.00 TON 18.66 20 18 STJOSEPH-71 \$17.00 TON 10.83 20 10	11.46		\$194.82 \$0.00	\$0.00	\$194.82
STJOSEPH-71 \$17.00 TON 9.15 30 9 STJOSEPH-71 \$17.00 TON 15.78 20 15 STJOSEPH-71 \$17.00 TON 18.66 20 18 STJOSEPH-71 \$17.00 TON 10.83 20 10	10.55		\$179.35 \$0.00	\$0.00	\$179.35
ST JOSEPH-71 \$17.00 TON 15.78 20 15 ST JOSEPH-71 \$17.00 TON 18.66 20 18 ST JOSEPH-71 \$17.00 TON 10.83 20 10	9.15		\$155.55 \$0.00	\$0.00	\$155.55
ST JOSEPH-71 \$17.00 TON 18.66 20 18 ST JOSEPH-71 \$17.00 TON 10.83 20 10	15.78		\$268.26 \$0.00	\$0.00	\$268.26
ST JOSEPH-71 \$17.00 TON 10.83 20 10	18.66		\$317.22	\$0.00	\$317.22
	10.83		\$184.11 \$0.00	\$0.00	\$184.11
		: : :			



EARTHMOVERS RDF 26488 COUNTY RD 26 ELYHAPT, IN, 46517 Ph: 574-975-5232

Selginal. Tickets 9984ET 923437

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND Vehicle# 757 ✓ Volume 30.0

Container

Ticket Date 10/04/2010 Payment Type Credit Account

Driver

Manual Ticket# Hauling Ticketh

Check# Pilling #

0000203

Route

Sen EPA ID

State Wasta Code

Manifest 603041in

Destination

 $\mathcal{D}\mathcal{O}$

603041IN (PETROLEUM IMPACTED SOIL)

Frafile Generator

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Operator Inbound Grade 3 L / PE980 : Scale 10/04/2010 10:27:14 Scale lstop Taro 38496 11 lstop Out 10/04/2010 10:42:48 Scale Net 50548 13 Tons

Comments

Product	LD#	Qty	MON	Rate	Tax	Amount	Origin
1 Cont Soil RCG-Tons 2 5635-SPEC WSTE PRE	s 100		√Tons Each				ST 1035PH ST JOSEPH

EM LANDFILL

In # 0006012-0017-3

Total Tax Total Ticket

Driver's Signature

NORFOCK

403WM



SAPTHMOVERS RDF 26488 COUNTY RD 26 ELKHART, IN, 46517 Ph: 574-875-5232

Original Tickeo# 926467

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 Driver

Manual Ticket#

Check#

0000203

Hauling Ticket# Route

Billing #

State Waste Code

Manifest 50304lin

Gen EPA ID

Destination

PO

Profile 6030411N (PETROLEUM IMPACTED SOIL)

Generator

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Scale Operator Inbound Gross 86280 lb Time In 10/04/2010 12:37:10 Out 10/04/2010 12:37:10 lstop Tare 36440 10 Scale Net 49848 It lstop Tons 24.30

Comments

	ioct	L.D%	Оtу	UOM	Pate	Тая	Amount	Brigin.
1	Cont Seil PC		24. 92	Tons				ST JOSEPH-

In # 0006012-0017-3 EMLANDALL

> Total Tax Total Ticket

Oriver's Signature

NORFOLK

403WM



SARTHMOVERS RDF 26488 COUNTY PD 25 ELKHART, IN, 46517 Ph: 574-975-5232

Original Tickst# 523-168 928468

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND

Ticket Date 10/04/2010

Vehicle# 716

Volume 28,0

Payment Type Credit Account

Container

Manual Ticketh Hauling Ticket# Driver

Check#

0000203

Route

Billing #

State Waste Code

Gen EPA ID

Manifest 503041IN

Destination

pη

503041TN (PETROLEUM IMPACTED SOIL)

Profile Generator

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time Scale Operator : Inbound Cross F7040 1 Scale lstop 10/04/2010 12:29:50 Tare 30050 11 Out 10/04/2010 12:52:31 Scale laten Nat 35120 15 Toris 1 € . Ç

Commonts -

LD% Qty UOM Product Rate Tax Amount Cont Boil RCG-Tans 100 18.09 Tons ST JOSEPH-

> Inv# 0006012-0017-3 EMLANDFILL

> > Total Tax Total Ticket

Driver's Signature

NOR FOLK

403WM



EARTHMOVERS RDF 26488 COUNTY RD 86 ELKHART, IN, 46517 Ph: 574-875-5232

Chrisical Truket# 526169

928489

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH SEND

Vehicle# 716

Ticket Date 10/04/2010

Payment Type Credit Account

Container

Valume 20.5

Manual Ticket#

Driver

Hauling Tacket#

Check#

Route

State Waste Code

Manifest 6030-tic

Billing # 0000203

Gen EPA ID

Destination

Profile 603041IN (PETROLEUM IMPACTED SOIL)
Generator 141-CITY OF SOUTH BEND CITY OF SOU

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Scale

Operator lstop

Inbound Gross

58068 15

10/04/2010 13:53:43 Scale

Tare

30250

Out 10/04/2010 12:53:43

lstop

Nei

29126 12

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Predict

LDX Oty UOM Rate Tax Amount Crisis

1 - Sent Soil PDS-fors 100 - 14.05 Tons

ET MASH-

INTERNOFIL

Total Tax Total Ticket

Driver's Signature

NORFOCK



EARTHMOVERS RUF 26488 COUNTY RD 86 ELKHART, IN. 46517 Ph: 574-875-5232

Original Ticket# 928453

928493

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND Vehicle# 757_ Ticket Date 10/04/2016

Payment Type Credit Account

Container

Boluse 30. 2

Manual Ticketh

Driver

Check# Eilling #

0000203

State Waste Code

Hauling Ticket#

Gen EPA ID

Route

Manifesh 60304lin

Destination

 p_B

Profile 6030411N (PETROLEUM IMPACTED SOIL)

Generator

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Scale Operator Inbound Gross Time 84960 li 36445 1 lstop Tare In 10/04/2010 14:01:13 Scale lstop Net 9**35**20 15 Dut 10/04/2010 14:01:13 Toke 24, 35

Comments

LDX (Gev UDM Rate Tax Amount Origin Product BY JOSEPH-1 Cont Sail PCG-Yens 100 · 24.26 Tons

INV #- 000612-0017-3

Total Tax Total Ticket

Driver's Signatura

NORFOLK



SAPTHMOVERS RDF 26488 COUNTY RD 26 ELKHART, IN, 46517 Ph: 574-975-5232

Originat Ticket# 923524

923524

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND Ticket Date 10/04/8010

Vehicle# 757

Values 30.0

Payment Type Credit Account

Container Driver

Manual Ticket#

Chack#

0000273

Hauling Ticket# Route

Piliang # Gen EPA 10

State Waste Code

Destination

Manifest 60304iin

PO.

6030411N (PETROLEUM IMPACTED SOIL)

Profile

Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Tine	Scale	Operator	ริกออนทรี	ปีกละธ	78768 15
ĩn	10/04/2010 15:26:13	Scale	lstop		Tara	35449 1
Diede	10/04/2010 15:26:13		latop	- "	Heb	41320 10
M . 403 K			·		Tone	21,

Comments

Product	LD%	Qtγ	NDW	Rete	Tax	Amount	Origin
1 Cont Soil RCG Tons		21.16	Tons	name della errop parti representa MARIANO APPEARENT PARTI F	dar gan is stade lighty distribution in material nation destination)	agles Segun di paragen y . Ann view, . Selfo et le villan en y active view) y	ET JUSEFF

INV #0006012-0011.3

Total Tax Total Ticket

Driver's Signature

are of the same of

NORFOLK



EARTHMOUSERS RDF 26488 COUNTY PD 26 ELKHART, IN. 46517 Ph: 574-875-5232

Concinal Ficket# 928525

928525

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND Vehicle# 716 Volume 20.0 Ticket Date 10/04/2010

Container

Payment Type Credit Account Manual Ticketk

Driver

Check#

Billing # 0000203

Gen EPA ID

Boute State Waste Code

Hauling Ticket#

Manifest 503041in

Destination

 $\mathbb{D}(\mathbb{C})$

Profile 5030411N (PETROLEUM IMPACTED SOIL)

Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

55440 13 Inbound Gross Operator Scale Time 20869 15 Tare lstop Scale In 10/04/2010 15:28:27 Net 88580 TE lstop · Dut 10/04/8010 15:88:87 Tans 14, 2)

Comments

i.D: City UOM Rate Tax Amount Origin GT JOSEPH-1 Cont Soil RCG-Tons 100 14.29 Tons

In # 0006012 -0017-3

Tokal Tox Total Ticket

Driver's Signature

NORFOLK



EARTHMOVERS REF 25488 COUNTY PD 26 EUSHAPT, IN. 46517 Phis 574-875-5232

Original. Tackett 926047

928547

ustomer Name JOHN BOETTCHER SEWER JOHN BOE Carrier etystabend CITY OF SOUTH BEND icket Date 10/05/2010 Vehicle# 716 "oluse 20.0

icket Date 10/05/2010 ayment Type Credit Account

Container

Toluge 20.0

angat Ticket#

Driver

aulian Ticket# oute

Check#

Billing # 0000203

tate Waste Code

Gen EPA ID

anifest 503041in

estination

rofile

503041IN (PETROLEUM IMPACTED SOIL) 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time

Scale

Operator Inbound Gross

Terre

10/05/2010 07:01:49 76 10/05/2010 07:01.49

Scale

lstop

Mer

26560 ib 33050 1:

latop

Tons

16.50

ommort:

roduct.

LDW Gby UCM Rate Yax Amount Origin

Cont Soil REG-Tune 100

16.53 Tans

57 JOSEPH-

In # 0006012 -0017-3

Total Tax Total Ticket

iver's Signature

NORFOCK



EARTHMOVERS RDF 35 OF YTHUD 68A3 ELKHART, IN, 46517 Ph: 574-675-5232

- Original Tickers Comman

923548

Customer Name 70HN ROETTCHER SEWER JOHN BOE Carrier citysthbend CITY OF SOUTH RENT

Ticket Data 10/05/2010

Payment Type Credit Account

Manual Tickes& Hauling Ticket#

Route

State Wasis Code

Manifoso Sosmatia Destination

25

Profile 803944IN (PETROLEUM IMPACTED BOIL)
Generator 14% CITY OF SOUTH BEND CITY OF SOUTH REND

Time žn.

10/05/2010 57:93:49 Scale

Dub 10/05/2010 07:03:19

Scale

lstop latop

Openation ' irbound Grass

Vehicle# 757

Container

Billing #

Gen EPG ID

Driver

Check#

0000203

lars Met

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81135 15 36449 12 44 E

ិល្ខាត់ Sin Je

Comments

Product

LDM Mey UDM

Rate Tax Gauget

Cont Sell 903-7042 100

28.35 Tons

FT 198271-

Two # 000612 -0017 -3

Total Tax Total Ticket

iven's Signatura



EASTHMOVERS ROF 25498 COUNTY PD 26 SLYMART, IN. 46517 Ph: 574-875-5232

Continue Tickers 928561

928583

Customer Name JOHN ECETTCHER SEWER JOHN BOE Carrier of vehicles of Sold BEND Ticket Date 18/85/2010 Vehicles 757 Vehicles 32.0

Ticket Date 10/03/2010 Payment Type Credit Account

Manual Tickets

Container Driver Check*

90003203

Hauling Trobat# สือแร้ง

State Wash, Code

Billing # Gen EPA 1D

Destination

Manifest 89304tin

PΟ

Profile 5030411N (PETROLEUM IMPACTED SDIL)

Generator

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Scale Time Operator Inbound Gross 86200 15 10/05/2010 08:35:23 Scale lstop Tare 36448 16 latop Out 10/05/2010 00:35:23 Net 49786 35 Tons 24, 38

Comments

Oty UOM Rate Tay Amount Origin LD% Product Cont Soil RDS-Tons 190 24.88 Tons 97 JUGESH-

In #-0006012-0017-3

Total Tax Total Ticket

river's Signature



EARTHMOUERS RDF 25488 COUNTY RD 26 ELKHAPT, IN. 46517 Ph: 574-875-5232

 Chickal Ticket# 926892

928592

ustomer Name JOHN BOETTCHER SEWER JOHN BOE Carrier - ctysthbend CITY OF BOUTH BEND

icket Data 10/05/2010

Vehicle# 716 !!olume 20.0

ayment Type Credit Account

Container

anual Tichet#

Driver Check#

auling Ticket# ក្សដូច

Billing # 0000203

tate Waste Code

anifest 50304lin

Gen EPA ID

estination

0

refile 6030411N (PETROLEUM IMPACTED SOIL)

tenerator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time Scale Operato n 10/05/2010 09:10:56 Scale latop

Operator Inbound Oross

66980 J

Tare

30850)

lstop

Net

36120 15

Tons

15.00

Comments

Product

LD% Oty UDM Rate Tax Amount Origin

Cont Soil RCO-Yons 100 18.05 Tons

nut (0/05/2010 09:10:56

ST JOSEPH-

In # 0006012-0017-3

Total Tax Total Ticket

river s Signatura

NORFOLK

403/WWIN



EARTHMOVERS RDF 86 488 COUNTY RD 26 ELKHART, IN. 46517 Phr 574-875-5232

Doignat Ticket# 928604

928601

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND Vehicle# 757___ Volume 30.0

> Container Driver

Gen EPA ID

0000203

Check# Billing #

Ticket Data 10/05/2010

Payment Type Credit Account

Manual Ticket# Hauling Tichat&

Route

State Waste Code

Manifest 603041in

Destination. 20

Profile 6030411N (PETROLEUM IMPACTED SOIL).

Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Operator Istop Inbound Gross Scale Time 38440 15 Tar : Scale 10/05/2010 05:54:15 Net 39268 14 l stop Dut 10/05/2010 09:54:18 Tons 17, 47

Connent:

Prod			LD%	Oty	UDM	Rate	Tax	คืองแกร้	Origin
		RCG-Tons		19.93					ST CONTENT-

In # 0006012-0017-3

Total Tax Total Ticket

river's Signature ...

403WM-N

(23)



EARTHMOVERS RDF 26488 COUNTY RD 86 ELKHART, IN, 46517 Ph: 574-875-5232

Criginal Tickels Spacis

923612

istomer Name JOHN BOETTCHER SEWER JOHN BOE Carrier - ctysthbend CITY OF SOUTH BENC

icket Date 10/05/2010

Vehicle# 716 Container

Valums 20.0

ayment Tyne Credit Account

Driver Check#

anual Ticket# auling Tickets

Billing #

0000203

.ate Wasta Code

Gen EPA ID

anifest 60304tis estimation

111 6 15

"ofile 6000%11% (PETACLEUM IMPACTED SOIL)

merator

141-0177 OF SOUTH BEND CITY OF SOUTH BEND

Time 1 10/05/2010 10:20:02

Scale Scale Operator Inbound lstop

Gross Tarro

68660 Tb 30888

15 10/05/2010 10:20:03

lstop

Het Tons 35800 15 3 7

numents

roduct

LD: Oty UOM Rate Tax

Amount Origin

Cont Sol: PCG-Ton: 100

17, 90 Tans

51 305899-

Tw #0006012 -0017-3

Total Tax Total Ticket

lven's Signature

NORFOLK



CARTHMOVERS RDF 26488 COUNTY RD 26 ELKHART, IN. 46517 Ph: 574-875-5232

Consider Ticket# 988689

923629

Dustomer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH RENC Ticket Date 10/05/2010 Vehicle# 757 Volume 30.0

Payment Type Credit Account

Container

Driver

Check#

Billing # 00002003

Gen EPA ID

State Waste Code Manifest 60304lin

Manual Ticket#

Hauling Ticket#

tination.

Route

.603041IN (PETROLEUM IMPACTED SOIL)

141-CITY OF SOUTH BEND CITY OF SOUTH BEND a Prator

Operator Inbound Gross 25508 10 Scale Time lstop 36440 11 Tare 10/05/2010 11:13:05 Scale Īn 59960 Net Out 10/05/2010 11:13:05 lstop 24.50 Tons

Comments

LDX Oty UOM Rate Tax Amount Origin Product BY JUSEPH-24.53 Tons Cent Soil ACG-Tons 100

Im#0006012-0017-3

Total Tar Total Ticket

river's Signature.



SARTHMOVERS RDF 26488 COUNTY RD 26 ELKHART. 114, 46517 Ph: 574-875-5232

Original Tookens 528638

928632

ustomer Name JOHN BOETTCHER SEWER JOHN BOE Carrier - ctysthbend CITY OF SOUTH REMO icket Date | 10/05/2010 | Vehicle# | 716 | Velume 20.9

Container -

Billing # 0000203

Driver Check#

Gen EPA ID

ayment Type Credit Account

anual Ticket#

auling Tickett

oute Hate Waste Code

anifest 803041in

astination.

rofile 6030411N (PETROLEUM IMPACTED SOIL)
enerator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

OperatorInbound Gross95240 151stopTare39560 15 Scale lstop Time 10/05/2010 il:30:56 Scale lstop 10135 11 Het ut 10/05/2010 11:30:56 4 17 2. Tuna

omment.

1.58 Ray UDW Rate Tax Smouth Prigit The same of the sa 17,19 Tons Cont Soil RCG-Tons 190

Tm #0006012 -0017-3

Total Tar Total Ticket

iver's Bignature

NORFOLK

403/WW-VI



EARTHMOVERS RDF 26488 COUNTY RD 26 ELKHART, IN, 46517 Ph: 574-875-5232

Original Ticket# 925550

928650

Justomer Name JOHN BOETTCHER SEWER JOHN BOE Carrier - ctysthbend CITY OF SOUTH BEND Ticket Date 10/05/2010

Vehicle# 757

Container

Volume 32.0

Payment Type Credit Account Janual Ticketh

Driver Check#

Walling Ticket#

Billing #

0000203

loute State Waste Code

Gen EPA ID

lanifest.

503041in

Destination

00

6030411N (PETROLEUM IMPACTED SOIL)

rofile Semerator

141-CITY OF SOUTH DEND CITY OF SOUTH BEND

Time	Scale	Operator	Inbound	Sross	seeds if
(n 10/05/2010 12:34:46	. Scale	lstop	·	Tare	36440 11
36t 10/05/2010 12:34:46		lstop		Het	47.48% 15
				Yors	G

Comments

Droc	Juet	1.17%	Qtγ	UOM	Rate	Tax	Amount	Origin
P. J. Bar 4	and the state of t		مريد هنده درج ويود موا ويدر دريد هند مريد		دوم داده بیماد بیماد سرب بیماد بیمید دیگر بیماد باید. دیگر میداد	والمناف المنط المنط المالية فيناكي يطهيوا إسواب وليبها		territor managemente de la companya del mante de la companya de la companya del companya del companya del comp
Į.	Cont Soil RCG-Tons	i 20	23.73	Tons				ST JUZTAH

In #0006012-0017-3

Total Tax Total Ticket

river's Signature



EARTHMOVERS RDF 254A8 COUNTY RD 25 ELKHART, IN. 48517 Ph: 574-875-5232

Grigins) Ticket# 9836n1

928661

Customer Name JOHN SOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND Volume 20.2 Vehicle# 716 Ficket Date 10/05/2010

Container

Payment Type Credit Account

Driver Check#

Manual Ticket# Hauling Ticket# Route

Billing # 0000203

State Waste Code Manifest 603041io Sen EPA ID

Destination

P()Profile

503041IN (PETROLEUM IMPACTED SOIL)

Generator

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

55284 15 Inbound មិត្តទទួ Operator Scale 33868 16 រិរជាម Tare lstop 10/05/2010 12:54:51 Scale 34423 (5 In Net lstop Out 10/05/2010 12:54:51 17.2 Tons

Comments

Product	LD%	<u>O</u> 5y	UOM	nate	Так	Amount	Trigin
. Cont Soil RDS-Tons	100	17,21	Tons				gr reside

In #0006012-0017-3

Total Tax Total Ticket

Driver's Signature

NORFOLK

AUS/WWW.N



EARTHMOVERS RDF 26488 COUNTY RD 26 ELKHART, IN, 46517 Ph: 574-875-5232

Crimical Tichat# 903685

928635

ctysthbend CITY OF SOUTH BEND Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier

Vehicle# 757 Ticket Date 10/05/2010 Container

Volume 30.0

Payment Type Credit Account Manual Ticket#

Driver

Check#

Billing # 0000203

Route Gen EPA ID

State Waste Code

Manifest 60304iin

Destination

Hauling Tickst#

PO Profile

E03041IN (PETROLEUM IMPACTED SOIL)

Generator

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time	Scale	Operator	labound	Gress	34307 lo
. –	Scale	lstop		Tare	34442 1:
Tp 10/05/2010 14:03:46 Die 10/05/2010 14:03:46		lstop		Met	47.888 PE
The state of the s		·		Tone	

Prod	loct	1.17%	Dtγ	MOU	Rate	Tax	Aaount	បីសង្គែន់ព
Pr Pari 27	n videl some wine alter some to a finge by a being speek bugs wigh three or puller, gight some Aber while the		99 Tabi 1000 Tabi Sana Sana Pana Pana Pana	t type many coup care physicisms. Arts does to	es applicable from the engineering speed applications and the engineering speed applications are applications and the engineering speed applications are applicated and the engineering speed applications are applications and the engineering applications are applications are applications ar		and the first section of the second section of the sectio	the beginning and a processing which was a first to the season of
	Cont Soil RCG-Tons		23.93	Tons				

In #0006012-0017-3

Tetal Tax Total Tichet

Driver's Signature hit had the



EAPTHMODIERS RDF 26488 COUNTY RD 26 ELKHART, IM, 46517 DN: 574-875-5232

Griginal Tickets Resign

929,690

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 Driver

Manual Ticket#

Check#

Hauling Ticket# Route

Billing #

0000203

State Wasta Cude

Gen EPA ID

Manifest 503041in

Destination

PΘ

Profile 6030411N (PETROLEUM IMPACTED SOIL)

Generator

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

81380 19 Operator Inbound Grass Scale Time 39852 1. Istop Tare 10/05/2010 14:15:33 Scale lstop Met 23500 18 Dut 10/05/2010 14:15:33 Tons 13, 25

Comments

LDW Oty UOM Revi Tax Amount Colyin Product ST JUSEPH-1 Cont Soil ROS-Yous 100 15.25 Tons

Tw # 0006012-0017-3

Total Tax Total Ticket

river's Signature

NORFOLK



EARTHMOVERS RDF 26488 COUNTY RO 26 ELKHART, IN, 46517 Ph: 574-875-5232

Griginsi Ticket & MOSTIC

923711

Customer Name JOHN BOETTCHER SEMER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND

Vehicle# 715 Ticket Date 10/05/2010

Volume 29. 9

Payment Type Credit Account

Container Driver

Manual Ticket# Hauling Ticket#

Check#

Route

Billing # 0000203

State Waste Code

Gen EPĀ ID

Manifest 603041in

Dostination

PO

Profile 603041IN (PETROLEUM IMPACTED SOIL) ... Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	62848 1.
I_{D}	10/05/2010 15:25:32	Scale	lstop		Taro	30060 li
Out	10/05/2010 15:25:32		lstop		Net	31982 15
					Tone	(B) 500

Commonts

	duct	L.D%	Oty	UOM	Rate	Tex	Ameunt	Origin
4	Cont Soil REG-Fors		15.99	Tons	e miles trade plants agree in value group in the miles and in value in part	AND THE CASE OF THE PARTY CASE OF THE CASE	in also (300 m) (ST JOSEPH-

Ino#006601-0017-3

Total Tax Total Ticket

river's Signature

NORFOLK



EGETHMOVERS FOF 26488 COUNTY 8D 26 ELKHART, IN. 46517 9h: 574-875-5232

Driginal Ticket# 923718

928718

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND Vehicle# 757 Polume NG. 8 Ticket Date 10/05/2010

Payment Type Credit Account

Manual Tickett Hauling Tickett

Route State Waste Code

Manifest 603041in

Destination

PO

Profile Generator

6030411N (PETROLEUM IMPACTED SOIL) 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Operator Scale · Time lstop In 10/05/2010 15:37:59 Scale 1step ... Out 10/05/2010 15:37:39

Grosy. Inbound Tara.

Net Tone

95139 15 36440 35 48738 36 E 1, 08

Comments

LD% Product 1 Cont Soil RCG-Tons 100

24.35 Tons

Qty

MOU

ax Amount

gr Mostra-

In # 0006012 -0017.3

Rate

Container Driver

Billing #

Gen EPA ID

0000203

Check#

Total Tax Total Ticket

Driver's Signature

6



FARIHMOVERS RDF 2642A COUNTY RD 26 FLRHART, IN. 46517 Phi: 574-875-5232

Q. Stilber Titket# 3E8735

928735

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SCUTH NEWD Vehicle# 757

Volume 30.0

Ticket Date 10/06/2010 Payment Type Credit Account

Container

Manual Ticket#

Driver

Check#

0000203

Hauling Ticket# Route

Billing #

Gen EPA ID

State Waste Code 603041in

Manifest Destination

[ˈ[ː

Profile

603041IN (PETROLEUM IMPACTED SOIL)

AND CEN

Generator

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Operator Inbound Gross 98509 11 Time Scale J5449 II Scale Istop i ar a 10/06/2010 07:07:03 Met 12069 11 Out 10/06/2010 07:07:03 lstop Tone 38.53

Comments

Product		Qty		Rate	Tax	Ancunt	Calgin
1 Lunk Soil R	ðØ	26.03	Tons				ST MOSERY-

Inst 0001012-0927-3

Total Tax Total Ticket

Driver's Signature





FARTHMOVERS RDF 26488 COUNTY RD 26 ELKHART, IN. 46517 Ph: 574-875-5232

Original Ticket# 528772

Volume 30.5

928 770

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND Vehicle# 757

> Container Driver

Gen EPA ID

0000203

Check# Billing #

Ticket Date 10/06/2010

Payment Type Credit Account

Manual Ticket#

Hauling Ticket# Route

State Waste Code Manifest 50304iin

Destination

PO

Profile 603041IN (PETROLEUM IMPACTED SOIL)

Generator

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Operator Inbound Time Scale Gross 65480 .5 10/06/2010 09:05:04 Scale Istop Tare 15/146 In Out 10/06/2010 03:05:04 latop Net 45040 15 Tons 음식, 함께

Connents

Prod			LD%	Qty	NON	Rate	Tax	Amount	₽#£qån
	.			سالو ليهاي مشره ليهد - چې ميټ نيسم پاندر	which have down for A down rather layer must pro-	ما د پونې ممده سر د ست مافه مانه کمد پاه په اما		و عدي وعد زيند سند سند هداد لامن سند والان ومن ومن و د	the state and tage as to see that and their first free time the ex-
1	Cont Soil	RCG-Tons	100	24,52	Tons				97 JORUNA

Into006012-6017-3

Total Tax Total Ticket

Driver's Signature



ESPTHMOVERS RDF 26488 COUNTY PD 28 ELKHART, IN. 46517 Ph: 574-875-5232

Dricical Timbers 926778

928772

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier

Ticket Date 10/06/2010

Payment Type Credit Account

Manual Ticket# 699296

Hauling Ticket#

Route

State Waste Code

Manifest 603041in

Destination

PU

Profile

603041IN (PETROLEUM IMPACTED SOIL)

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

ine

Scale Scale

Operator

inbound

Gross

85146 154

In 10/06/2010 10:44:17

Out 10/06/2010 10:44:17

lstop

0000203

Tare 35440 lex

latop

Mat

ctysthbend CITY OF SOUTH BEND

Volume 39.0

42729 (6

* Manual Weight

Tone

4.5

Comments

Product

LD%

Vehicle# 757

Container Driver

Billing # Gen EPA ID

Check#

Oty UDM Rate Tax Amount Origin

Cont Soil RCG-Tons 100

24.35 Tons

5T JOSEPH-

Tm #0006012-0017-3

Total Tax Total Ticket

Driver's Signature



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 30.00

Volume 30. W

Payment Type Credit Account

Container Driver

Manual Ticket#

Hauling Ticket#

Check# Billing #

00000203

Route State Waste Code

Gen EPA ID

Manifest 60304lin

Destination

04

Profile 603041IN (PETROLEUM IMPACTED SOIL)

Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time yn 10/07/2010 09:56:2i

Scale Scale Operator Inbound

Gross 82040 lb Tare

Out 10/07/2010 09:56:21

lstop lstop

Net Tons

35446 15 45500 10 22.28

Councits

LDM Dty UDM Rate Tax Amount Origin

Cont Soil RCG-Tons 100 '

22.80 Tons

ST JOSEPH-

Jus# 10006012-6017-3

Total Tax Total Ticket

river's Signature

15 .5



FARTHMOVERS RDF 26489 COUNTY RD 25 ELKHART, IN. 46517 Ph: 574-875-5232

Priminsi Tacket# 928987

939139

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier - ctysthbend CITY OF SOUTH BEND

Ticket Date 10/07/2010

Vehicle# 715

Volume 20.2

Payment Type Dredit Account

Container

Manual Ticket# Hauling Ticket# Driver

Check#

Billing #

0000203

Rouse State Waste Code

Gen EPA ID

Manifest 603041in

Destination

Profile 623041IN (PETROLEUM IMPACTED SOIL)
Generator 142-CITY OF SOUTH BEND CITY OF SOU

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time Scale Operator Inbound Gross 50100 (% 10/07/2010 10:93:07 Scale ĪB laton โลกย J68888 1E Dut 10/07/2010 10:03:07 lstop Meg 32300

Comments

Product LDW 25y UDM Pate Tax Amount Unique t Cont Soil RCG-Tone 100 18.15 Tons ST JOSEFY-

Im#0006012-0017.3

Total Tax Total Tickst

565

Driver's Signature Shone



EARTHEOVERS ROF 25488 COUNTY RD 26 ELKHART, IN. 46517 Ph: 574-875-5232

Original Ticket# 928943

Volume 20.0

Justomer Name JOHN BOETTCHER SEWER JOHN BOE Carrier

Ficket Date 10/07/2010 Payment Type Credit Account

Manual Ticket# Pauling Ticket#

loute

itate Wasta Code

fanifest 603041in

)estination

lenerator

43

hofile 503041IN (PETROLEUM IMPACTED SOIL)

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Scale 10/07/2010 10:00:40 P Scale ut 10/07/2010 10:11:08 Scale

Operator Inbound Istop

lstop

Vehicle# 718

Container

Billing #

Gen EPA ID

Driver

Check#

0000203

Gross Tare

ctysthbend CITY OF SOUTH BEND

51150 lb 89960 11

Het Tons

SELEMA 16 16. 10

REPLACEMENT TICKET FOR TICKET # 928937 REPLACEMENT TICKET FOR TICKET # 928948

roduct

onments

LD%

Qty

MOU Rate

Tax Amount

Cont Soil RCG-Tons 100

16.10 Tons

ST JUSEPH-

Tw# 0006012-0017-3

Total Tax Total Ticket

iver's Signature



CARTHMEVERS RDF 26488 COUNTY PD 26 ELKHAPI. IN. 46517 Ph: 574-875-5832

Shiginal 4 icket# 928969

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH REND Vehicle# 757 Volume 36.0 Ticket Data 10/07/2010

Payment Type Credit Account Manual Ticket#

Container Driver

Chack#

Billing # 0000203 Gen EPA ID

State Waste Code

Hauling Ticket#

Manifest 603041in

Destination

Route

Profile 603041IN (PETROLEUM IMPACTED SOIL)
Seperator 141-CITY OF COURT ACCOUNTS

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Inbound Grass Scale Operator Scale sellian 77742 35 Time 10/07/2010 11:56:54 36440 Ib In · sellian . Jut 10/07/2010 11:56:54 Net 41000 lo Tons 20.00

Logments

LD% Oty UDM Rate Tax Amount Origin Product 20.65_ Tans Cont Soil RCG-Tens 100 ST JOSEPH-

Jun#0006012 -0017 .3

Total Tax ~ Total Ticket

river's Signature

Norfolk



EARTHMOVERS RDF 26488 COUNTY PD 26 ELPHART, IN, 46517 Ph: 574-875-5232

Griginal Ticket# 128972

928970

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH SERV Vehicle# 718 Volume 20. 9

Ticket Date 10/07/2010

Container

Payment Type Credit Account

Driver

Manual Ticket# Hauling Ticket%

Check#

Billing # 0000203

Route -

State Waste Code

Gen EPA ID

Manifest 603041in

Destination

D(')

Profile 603041IN (PETROLEUM IMPACTED SOIL).
Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Operator Imbound Gross Time Scale 56280 lt sellian 10/07/2010 11:58:55 Scale Tare 28950 (5 sellian Out 10/07/2010 11:58:55 Net. 29320 15 Tone 14.56

Comments

LD% Dty UDM Rate Yax Asount Origin Product 1 Cont Soil RCG-Tons 100 14.6<u>6</u> Tans RT JOSEPH -

Inu# 0006012-0017-3

miver's Signature

Total Tax Total Ticket



EARTHMOVERS RDF 26486 COUNTY RD 26 ELKHART, IN. 46517 Fm: 574-875-5232

Griginal Tickets 926982

928982

Customer Neme JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND

Ticket Date | 10/07/2010 Vehicla# 716 Folima 20.0

Container -

Payment Type Credit Account Manual Ticketh

Briver

Check#

Billing #

0000203

State Waste Code

Gen EPA ID

Hauling Ticket&

Manifesi 60304.in

Destination

F()

Route

Frofile 50304(1) (PETROLEUM IMPACTED SOIL)

Ganerator

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time Scale Operator Inbound Gross 1 42000 15 10/07/2010 12:31:19 Scale iston 12:0 30860 la Out 10/00/2019 (2:31:32 lstop Net 46360 15 1002 16.1 1 T

Comments

LOY Gty UOM Rate Tax Amount Product 1 Cont Suil ACS-Tons 190 21.18 Tons ST JOSEP -

Into006012-6017-3

Tabal Tay Total Ticket

Drivar's Signatura



EARTHMOVERS RDF 26488 COUNTY RD 26 ELKHART, IN, 46517 Ph: 574-875-5232

Original Ticket# 928998

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND Vehicle# 718 Volume 20.0 Ticket Date 10/07/2010

Container Driver

Check#

Billing # 0000203

Gen EPA ID

Poute State Waste Code

Manual Ticket#

Hauling Ticket#

Manifest 603041in

Payment Type Credit Account

Destination

P(0)

Profile 603041IN (PETROLEUM IMPACTED SOIL)
Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time Scale Operator Inbound In 10/07/2010 13:21:53 Scale Istop 58860 lb Gross Tare 23**360** lb Dut 10/07/2010 13:21:53 lstop Net 29900 15 Tone 14.53

Comments

Product LD% Qty UQM Rate Tax Amount Origin 14.95 Tons ST JOSEPH-Cont Sail RCG-Tons 100

Ins#0006012-0019-3

miven's Signature

Total Tax Total Ticket

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ACOVATA N



EARTHMOVERS RDF 25488 COUNTY RD 26 ELKHART, IN, 46517 Ph: 574-875-5232

Original Ticket# 929000

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier Ctysthbend CITY OF SOUTH BEND

Ticket Date 10/07/2010

Vehicle# 757 Volume 30. 8

Payment Type Credit Account

Container

Manual Ticket# Hauling Ticket#

Driver Check#

Route

Billing #

0000203

State Waste Code

Gen SPA ID

Manifest 603041in

Destination

Profile 603041IN (PETROLEUM IMPACTED SOIL)

Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Operator Inbound Gross Time Scale 77250 10 10/07/2010 13:25:59 Ι'n Scale Istop Tare Out 10/07/2010 13:25:59 lstop

Consents

.

36440 15 Net +**08**20 is

Tons 20. 4.

Product LD% Qty UOM Rate Tax Asount

Cont Soil RCG-Tone 100

20.44 Tons

BY JOSEPH-

Two# 0006012-0017-3

Total Tax Total Ticket

Priver's Signature

NORFOCK



EARTHMOVERS RDF 25488 COUNTY RD 26 ELKHART, IN. 46517 Phr 574-875-5232

Original Tacket# 92900#

929004

Customer Name JOHN BOETTCHER BEWER JOHN BOE Carrier - ctysthbend CITY OF SOUTH BENT

Sehicle# 715

Values 29.9

Ticket Date 19/97/2010 Payment Type Credit Account

Container

Manual Ticket# Hauling Ticker# Driver Check#

00000203

Route

Eilling #

State Weste Code

Gen EPA ID

Manifest 603041in

Destination

ЭH

Profile 603041IN (PETROLEUM IMPACTED SOIL)

Generator

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	7349	Scale	Operator	Inbound	Grees	57800 15
. In	10/07/2010 13:43:02	Scale	qotel	•	រី ទូវ ម	30850]r
Օսե	10/07/2010 13:45:02		lstop		Met	35540 le
					Tout	15. · · ·

Commente

Proc	juct	LD#	Rty	MOLI	Pate	Тах	Resunt	Origia
*** *** ***	g over the party and with the sign of the sign work of the country of the sign	or an extension of the property of the propert	****** ****************				بالترجيب وعشام عبيات ماطاح كالمامة	The subsection of the stage that is street terms.
1	Cont Scil RCG Tons	140	18. 47	Tons				ST WEERH-

In # 2006012 -0017-3

Total Tax Total Ticket

Driver's Signature

Shane



EARTHMOVERS RDF 26488 COUNTY RD 26 ELKHART, IN, 46517 Ph: 574-875-5232

Original Ticket# 929015

929019

Sustomer Name JOHN BOETTCHER SEWEP JOHN BOE Carrier ctysthband CITY OF SOUTH BEND

icket Date 10/07/2010 /eyment Type Credit Account

Vehicle# 718 Container

Volume 20. P

Manual Tickets

Driver

Hauling Ticket# Route

Chack# Billing #

0000203

State Waste Code

Manifest 603041in

Gen EPA ID

Destination

P.O

503041IN (PETROLEUM IMPACTED SOIL)

Profile Generator

141 CITY OF SOUTH BEND CITY OF SOUTH BEND

Scale .

Operator

Inbound Gross

10/07/2010 14:39:17 Scale

lstop

Tare

65980 ib 28969 15

Dut 10/07/2010 14:39:17

lston

Nes

37020 111

Tunz

15.5:

Comments

Product

LD: Gty UOM

Rate

Tax

Amount .

Grigia

Conr Sail RCS-Tons 100

18.51 Tans

ST TOREDAY

Tw#0006012-0017-3

Priver's Signature

Total Tax Total Tipket



GARTHMOUERS RDF 26488 COUNTY PD 26 ELKHART, IN, 46517 Ph: 574-875-5232

Griginel Tickets 929027

929027

Customer Mame JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND Volume 30.0 Vehicle# 757

Ticket Date 10/07/2010 Container

Dayment Type Credit Account Manual Ticket#

Driver Check#

0000203 Billing #

Hauling Ticket# Route

State Waste Code

Manifest 603041in

Gen EPA ID

Destination PO .

Profile Benerator 603041IN (PETROLEUM IMPACTED SOIL) 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

77060 15 Gross Inbound Operator Scale Time 36440 lo Taire lstop Scale 10/07/2010 14:53:01 Het 40820 15 lstop Out 10/07/2010 14:53:01 20,51 Tons

Comments

L.D% UOM Rate Tax Amount Origin Qty Product ST JUSEPH-Cont Soil RCB-Tens 100 Tons

Ins# 0006612-0017-3

Total Tax Total Ticket

miver's Signature

4U3/V/VI-VI



EARTHMOVERS RDF 26488 COUNTY RD 26 ELKHART, IN. 46517 Ph: 574-875-5232

Original Ticket# (2903)

929031

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier - ctysthbend CITY OF SOUTH BEND

Vehicle# 716 Ticket Date 19/07/2010

Vertume 25. S

Payment Type Liredit Account Driver

Containe-

Manual Ticket# Hauling Ticketh

Check#

Billing # 0000203

State Waste Code

San EPA ID

603041in Manifest

Destination

Route

PO

E03041IN (PETROLEUM IMPACTED SOIL)

Profile Generator

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Grass	67890 11
111	10/07/2010 15:01:43	Scale	lstop		Taic	39860 lb
Out	10/07/2010 15:01:43	A 3)stop	•	Net	36480 in
					Toni	18.20

Comments

Pro	iuct	[])*(Qty	UOM	Rate	XE?	Amount	Crinin
PM F=-(A4	n i Red (data area (E.S.) (sai area data data data) i (C.) (sai i data) data (c.) (Patricia) esta esta data da	en met Land in the debut the in		to place with their lates, and their Application	the second section of the second section of the second section	4 MARTINE W. 18 M. 18 M. 1911 (1911)	P394947414444 - 16 47 17	en i Em han computer and Machine Long screen computations
į	Cont Soil RCS-Tons	100	18.21	Tons				IT JUSTINE

Init 0006011-0017-5

Total Tax Total Ticket

Priver's Signature

Share



EARTHMONERS ROF 26488 COUNTY RD 26 ELKHART, IN, 46517 Ph: 574-875-5232

Original Ticket# 929047

Justomar Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND icket Date | 10/07/2010 Vehicle# 716 Volume 20.0

Payment Type Credit Account Container -

Manual Ticket# Briver

Hauling Ticket# Check# nute

Billing # 0000203

Gen EPA ID

nifest 503041IN

ate Waste Code

tination

11.0 603041IN (PETROLEUM IMPACTED SOIL)

141-CITY OF SOUTH BEND CITY OF BOUTH BEND rator

Scale Operator
Scale spilian Time Inbound Gross 63540 lb 10/07/2010 15:52:39 Tare 30860 1b sellian. - 10/07/2010 15:52:39 Net 32689 lb Tons 15.34

。 "我们是我们的不知道是这么可能是不是我们的。"

ार्थ क

	LD%	Oty	MOU		Rate	Tax	Amount	Origin
The state from their state state and stips from 1991 dept print print of			egyfriad a mwys bropt Suidt, gyfrefydrol.	-4m -F161	\$20 and \$20 last from look \$1	Catali akid ariba talin adat tama a dar bata atad pang ayan, me <u>ru</u>	felf, after other flatt or on talker once from made outside one	
il RCB-Tons	100	16.34	Tons 3	3				ST JOSEPH-

Total Tax Total Ticket.



EARTHMOVERS RDF 26488 COUNTY RD 28 ELKHART, IN, 46517 Ph: 574-875-5232

Original Ticket# 929061

929061

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier Ctysthbend CITY OF SOUTH BEND Vehicle# 757 Volume 30.0

> Container Driver

Billing #

Gen EPA ID

Chack幹

Ticket Date 10/07/2010

Payment Type Credit Account

Manual Ticket# Hauling Ticket#

Route

State Waste Code Manifest 603041IN

Destination

PD.

Profile

6030411N (PETROLEUM IMPACTED SOIL)

141-CITY OF SOUTH BEND CITY OF SOUTH BEND Generator

Time 10/07/2010 16:19:00 Dut 10/07/2010 16:19:00

Scale Scale

Operator sellian sellian

Inbound

0000203

Gross Tare Net Tons

77720 13 36440 15 41280 15 60.00

Comments

Tax Amount LD% Oty MOU Rate Origin ST JOSEPH-Tons 1 Cont Soil RCG-Tons 100 20.64

Inu#0000012-0017-3

Norfolk

Total Tax Total Ticket

miver's Signature ...



EGRTHMOVERS RDF 26488 COUNTY RD 26 ELMHART, IH, 46517 Ph: 574-875-5232

Driginal Ticket# 929063

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthband CITY OF SOUTH SEND

Ticket Date 10/07/2010

Vehicle# 715 Volume 20.0

Payment Type Credit Account

Container Driver

Manual Ticket#

Check#

Hauling Ticket# Route

Billing # 0000203

Gen EPA ID State Waste Code

Manifest 803041IN

Destination

Profile 60304xIM (PETROLEUM IMPACTED SOIL)

Generator

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Operator Inbound Sross Scale 734**90** 15 Time sellian 10/07/2010 16:22:39 Scale Tare 39868 15 Net Out 10/07/2010 16:22:39 sellian 42540 lt Tona

Comments

LD% Qty UOM Product Rate Tax Amount Origin Cont Soil RCG-Tons 100 21.27 Tons ST JOSEPH-

Im #0006012-0017-3

Total Tax Total Ticket

Driver's Signature Shane

89, is



EARTHMOVERS RDF 26488 COUNTY RD 26 ELKHART, IN. 45517 Dh: 574-875-5232

Original Ticket# 929069

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# Hauling Ticket#

Driver

Check#

Billing # 0000203

State Waste Code

Gen EPA ID

Manifest 503041in

Destination

Route

20

603041IN (PETROLEUM IMPACTED SOIL). ...

Profile Generator

141-CITY OF SOUTH BEND CITY OF SOUTH DEND

ower & Time Scale Operator Inbound Gross 76720 lu in 10/08/2010 07:07:13 Scale Istop Tarc 36440 15 Out 10/08/2010 07:07:13 lstop Net 40280 15 Tons

Comments

Product LD% Gty UOM Rate Tax Amount Cont Soil RCG-Tons 100 20.14 Tons ST JOSEPH-

Inu#0006012-2017-3

Total Tax Total Ticket

river's Signature



EARTHMOVERS ROF 25486 COUNTY RD 26 ELKHART, IN. 46517 Ph: 574-875-5232

Original Ticket# 929071

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND

Vehicle# 716 Ticket Date 10/08/2010

Volume 20.2

Container Payment Type Credit Account Driver Manual Ticket#

Chack# Hauling Ticket#

Billing # 0000203

Gen EPA ID State Waste Code

Manifest 603041in

Destination

PΩ

Poute

Profile 6030411N (PETROLEUM IMPACTED SDIL)

Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Gress 59660 lb Operator Inbound Scale Time Scale 20860 15 Tare lstop 10/08/2010 07:11:20 Net 38800 lb lstop Out 10/08/2010 07:11:20 ïon≤ 19. વેઇ

Comments

LD% Dty UDM Race Amount Origin Product ST JOSEPH-19.40 Tons 1 Cent Soil RCG-Tons 100

Im #00060 12 -0017-3

Total Tax Total Ticket

miver's Signature Shane



EARTHMOVERS RDF 26488 COUNTY RD 26 ELKHART, IN, 46517 Ph: 574-875-5232

Original Ticket# 929035

029095

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND Vehicle# 718

Ticket Date 10/08/2010

Volume 20.0

Payment Type Credit Account Manual Ticket#

Container Driver

Check#

Hauling Ticket# Route

Billing # Gen EPA ID 8060203

State Waste Code

Destination

Manifest 603041in

PO -Profile

603041TH (PETROLEUM IMPACTED SOIL)

Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Inbound Gross 64640 15 Operator Scale Time Tare 28960 lb Istop 10/08/2010 08:26:43 Scale Net 35680 1: lstop Out 10/05/2010 08:26:43 17,84 Tons

Comments

Asount Oty UDM Rate Tax LD% Product ST JOSEPH-17.84 Tons 1 Cont Soil RCG-Tons 100

In #0006012-00 17-3

Driver's Signature

Total Tax . Total Ticket



CARTHMOYERS ADF 26488 COUNTY RD 26 ELKHART. IN, 46517 Ph: 574-875-5232

Cricinal. Ticket# 529099

929099

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND Vehicle# 715

Ticket Date 10/08/2010

Volume 20.0 ·

Payment Type Credit Account

Container

Manual Ticket#

Driver

Check#

0000203

Hauling Ticket# Route

Billing # Gen EPA ID

State Waste Code

Manifest 603041in

Destination

PO

Profile

6030411N (PETROLEUM IMPACTED SOIL)

Generator

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Inbound Gross 64560 15 Operator Scale ime 30860 1: Tare Istop Scale 10/08/2010 08:36:51 33700 15 Met lstop Out 10/08/2010 08:36:51 Tone 18.81

Comments

Proc	iuct	LD%	Qty	UOM	Rate	Tax	Amount	Origin
	Cont Sail RCS-Tons		16.85	Tons				ST JOSEPH-

Two # 0006012-0017-3

Total Tax Total Ticket

Oriver's Signature Sharc



CARTHMOVERS 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# 757

Volume 30.0

Payment Type Credit Account

Container

Manual Ticket#

Driver

Hauling Ticket#

Chack#

Route

Billing #

State Waste Code Manifast 603041in

Destination

Sen EPA ID

PO

Profile

6030411N (PETROLEUM IMPACTED SOIL)

Generator

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Scale

Operator

Inbound Gross

87580 15

Time

10/08/2010 09:54:21 Scale

lstop

Tare Ne+

35440 in

Out 10/08/2010 08:54:21

latop

Tons

F1196 25 25. 37

Comments

Product

LD% Gty UOM Rate

Tax

0000203

3 nu anh

- Origia

Cont Soil RCG-Tone 100

25.57 Tons

BT JOSEPH-

Im#0006012 . 0017-3

Total Tax Total Ticket

river's Signature

NORFULK

403WM-N

➂



FARTHMOVERS RUF 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 Tickét Date 10/08/2010 Volume 20.0

Vehicle# 718

Container

Payment Type Credit Account Manual Ticket#

Driver

Hauling Ticket#

Check#

Route State Waste Code Billing # 0000203

Gen EPA ID

Manifest 603041in

Destination

Profile 603041IN (PETROLEUM IMPACTED SOIL)

141-CITY OF SOUTH BEND CITY OF SOUTH BEND Generator

Operator Inbound Time Scale 65780 ih Gross Ιn 10/08/2010 09:35:07 Scale istop Tare 88960 ib Out 10/08/2010 09:35:07 lstop Net 36820 15 Tons 13.40

Comments

LD% Oty UDM Amount Origin Rate Tax Product Cont Soil RCG-Tons 100 18.41 Tons -H43801 T8

Int 0006012-0017-3

briver's Signature

Total Tax Total Ticket



EARTHMOUERS 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_

Container

Volume 20.0

Payment Type Credit Account

Driver

Manual Ticket# Hauling Ticket#

Check#

Route

Billing # 0000203

State Waste Code

Gen EPA ID

Manifest 603041in

Destination

PO

Profile 6030411M (PETROLEUM IMPACTED SOIL)

Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Operator Time Scale Inbound Gross 66420 lt 10/98/2010 09:50:59 Scale Istop Tare 30860 lb Out 10/08/2010 09:50:59 lstop Net 35560 16 Tons 17.78

Comments

Product LD% Oty UOM Rate Tax Amount Cont Soil RCG-Tons 100 17.78 Tons ST JOSEPH-

In # 0006012 -0017 -3

Total Tax Total Ticket

river's Signature Shave



EARTHMOVERS RDF 26488 COUNTY RD 26 ELKHART, IN. 46517 Ph: 574-875-5232

Original Ticker# 929:25

Volume 30.0

929128

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND

Ticket Date 10/08/2010

Payment Type Credit Account

Manual Ticket# Hauling Ticket#

Route

State Waste Code

Manifest 603041in

Destination $B\Pi$

Profile Denerator 603041IN (PETROLEUM IMPACTED SOIL)

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time 10/08/2010 10:10:11 Out 10/08/2010 10:10:11

Scale Scale

Operator lstop lstop

Inbound

2020000

81920 lb 36440 11

95480 lb SE. 74

Comments

Product

LD% Oty

MOU

Rate

Vehicle# 757

Container

Billing #

Gen EPA ID

Driver

Check#

Тах

Amount

Gross

Tare

Tons

Net

ST JOSEPH-

Cont Soil RCG-Tons 100

22.74 Tons

In #0006012-0017-3

Total Tax Total Ticket

river's Signature

NORFOLK



CARTHMOVERS RDF 26488 COUNTY RD 26 ELKHART, IN, 46517 Ph: 574-875-5238

Original Ticket# 929136

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 Check#

Hauling Ticket# Route

Pilling #

0000203

State Waste Code

Sen EPA ID

Manifest 60304iin

Destination

90

Profile

603041IN (PETROLEUM IMPACTED SOIL)

Generator

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time		Scale	Operator	Inbound	Gross	64380 1b
In	10/08/2010	10:47:02	Scale	 Istop	•	Tare	28960 16
Out	10/08/2010	10:47:02	-	Istop	 , . -	Net	75420 15
						Tons	(7, 7 ;

Connents

Product			LD%	Oty	LIOM	Rate	Tax	Amount	Origin
***************************************	g yanghi sahar da sasi yan ka kabupat da sa sanga sa gara panga s	. pri ettë met so û jac e s rei der, v,esî ~em m		سنة سناميد بالد يجه جيد سم.	i bark daga kasa mana lah 1986 Makadan M	in Bandhagun an ar Vara statut Arts (plan cultur state)	e alle first mile i fi e pare rese escri sere i su su s		and religious quity and comment of the constraint of the party of the constraint of
i	Cont Soil	RCG-Tens	100	17.71	Tons				ST JOSEF4-

Int 000600 001-3

miver's Signature

Total Tax Total Ticket

AUS/WWW.VI



EARTHMOVERS RDF 26488 COUNTY RD 26 ELKHART, IN, 46517 Ph: 574-875-5232

Griginal Ticket# 929138

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND Vehicle# 716

Ticket Date 10/08/2010

Volume 20.6

Payment Type Credit Account

Container -Driver

Manual Ticket# 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

Scale Operator Inbound Gross SE780 15. Time Istop Tare 30560 15 10/08/2010 10:57:21 Scale in 35920 lb lstop Net Dut 10/08/2010 10:57:21 Tons . 17,96

Comments

LD% Oty UOM Amount Origin Rate Tax Product ST JOSEPH-1 Cont Soil RCG-Tons 100 17.96 Tons

Inv# 0006012 -0017 -3

Total Tax Total Ticket

Oriver s Signature

M-MAN/SON



EARTHMOVERS RDF 26498 COUNTY PD 25 ELKHART, IN. 45517 Ph: 574-875-5232

Original Ticket# 929145

929145

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BENT

Ticket Date 10/08/2010 Vehicle# 757 Valume 30.0

Payment Type Credit Account

Container Driver

Manual Ticket# Hauling Ticket#

Check#

Billing # 2020000

Houte

State Weste Code

Gen EPA ID

Manifest £0394iin

Destination

Dyofile

50304/IN (PETPOLEUM IMPACTED SOIL)

Generator

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time 16/68/2010 11:29:11

Scale Scale Operator sellian

Inbound Gress

715000 lb Tare

Out 10/08/2010 11:29:11

sellian

Hist Tons 35440 15 35960 16 17, 57

Comments

Product

Cont Soil ACG-Tons 109

LD% Sty UOM Rate

Tax Amount

91 JOBEDH-

Inu#0006012 -001 -3

17.53 Tons

Total Tax Total Ticket

river's Signature

NORFOLK



Original Ticket# 209149

929147

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND

Ticket Date 10/08/2010

Vehicle# 718

Volume 20.9

Payment Type Credit Account

Container T Driver

Manual Ticket#

Hauling Ticket#

Check#

Route

Billing # 9000203

State Waste Code

Gen EPA ID

Manifest 503041in

Destination

PO

Profile 6030411N (PETROLEUM IMPACTED SOIL)

Generator

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Scale Operator Impound Gross 6782**0** lo 10/08/2010 12:02:58 Scale Istop ្រីគេក្រ 28960 15 Dut 10/08/2010 12:02:58 lstop Net D8949 15 TONE 15.32

Comments

LD% Gty UOM Rate Tax Amount Crigin Praduct 1 Cont Seil RCG-Tons 100 ' 19,42 Tons ST JOSEPH-

In #0006012-0017-3

Total Tax Total Ticket

miver's Signature

NOUTOLK



Original Ticket# 929151

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND

Vehicle# 715 Ticket Data 10/08/2010

Volume 20.0

Dayment Type Credit Account Container Manual Ticket#

Driver

Hauling Ticket*

Check#

Route State Waste Code Billing # 00000203

Gen EPA ID

Manifest 603041in

Destination

20

Profile 6030411N (PETROLEUM IMPACTED SOIL)

Senerator

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Scale Operator Inbound Gress 64500 15 Time lstop ខែភេទ 10/08/2010 12:07:33 Scale 30860 15 Īn lstop Net 33640 15 Out 10/08/2010 12:07:33 Tons 16.88

Comments

LD% Gty UOM Amount Origin Product Rate Tax Cont Soil RCG-Tons 100 16.82 Tons ST JGSEPH-

Im #0006012-0017-3

Total Tax Total Ticket

river's Signature



Original Ticket# 929189

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier

ctysthbend CITY OF SOUTH BENT

Ticket Date :0/08/2010

Vehicle# 757

Volume 30. 2

Payment Type Credit Account

Container Driver

Manual Ticket# Hauling Ticket#

Check#

Route

Dilling # 0000203

State Washe Code

Gen EPA ID

Destination

Manifest 503041i

PO

Profile

593041IN (PETROLEUM IMPACTED SOIL)

Generator

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time

Scale

Operator

inbound Grass

77660 10

10/08/2010 12:46:35

Scale

lstop

Tare

36,440];;

Out 10/08/2010 12:46:35

latop

1100

41460 15

Tong

20.7₁

Connents

Product

LD%

Øŧy

UDM

Rate

Amount

Cent Soil RCG-Tons 100

29.71 Tons

Tex

ST JOSEPH-

In #0006012-0017-3

Total Tax Total Ticket

Driver's Signature



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

Driver

Manual Ticket#

Check#

Hauling Ticket# Route

Billing # 0000203

State Waste Code

Gen EPA ID

Destination

Manifest 603041in

다

Profile 603041IN (PETROLEUM IMPACTED SOIL).

Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Operator Inbound Gross 88380 lb Scale 10/08/2010 13:09:59 Scale lstop iare In 2896@ IL Net Out 10/08/2010 13:09:59 lstop 39420 15 Tons 19,71

Comments

Qty UOM LD% Rate Tax Amount Origin Froduct 19.71 Tons ST JUSEPA-1 Cont Soil RCG-Tons 100

Im # 0006012-0017-3

Priver's Signature

NORFOLK

Total Tax Total Ticket



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. 2

Container

Driver

Check#

Billing # 0000203

Sen EPA ID

State Waste Code

Manual Ticket#

Hauling Ticket#

Manifest 603041in

Payment Type Credit Account

Destination

PO

Route

Profile S03041IN (PETROLEUM IMPACTED SOIL)

Generato: 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time Scale Operator Inbound Gross 57340 lb Scale Istop 10/08/2010 13:16:01 Tare 30860 15 Out 10/06/2010 13:16:01 lstop Net 36488 12 Tone 18.34

Comments

Product LD% Oty UOM Rate Tax Amount Cont Sail RCG-Tons 100 18.24 Tons ST JOSEPH-

Inv #0006012-0017-3

Total Tax Total Ticket

river s Signature



Original Ticket# 929192

Volume 30.2

929192

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH REND

Ticket Date 10/08/2010

Payment Type Credit Account

Manual Ticket# Hauling Ticket#

Route

State Waste Code

Manifest 60304iin

Destination

P()

Profile

6030411H (PETROLEUM IMPACTED SOIL)

Generator

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Scale

Operator lstop

Inbound

0000203

Gross

75580 lb

10/08/2010 14:04:03 Out 10/08/2010 14:04:03

Scale

lstop

Tare Net

36440 15 39140 lb

19,57

Tons

Commente

Product

Oty

UOM

Rate

Vehicle# 757

Container

Billing #

Gen EPA ID

Driver

Check#

Тах

Origin

Cart Soil RDS-Tone 100

19,57 Tons

Amount

ST JOSEPH-

In# 0006012-0011-3

Total Ta, Total Ticket

Priver's Signature

NORFOLK



Uniginal Ticket# 929199

929199

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND Ticket Date 10/08/2010

Payment Type Credit Account

Vehicle# 718 Container

Volume 20.0

Manual Ticket#

Driver

Check#

Hauling Ticket# Route

Billing # 0000203

State Waste Code Manifest 603041in Gen EPA ID

Destination

PD

Profile 6030411N (PETROLEUM IMPACTED SOIL) Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

lime

Scale

Operator

Inbound Gross

69700 lt

10/08/2010 14:19:07 In

Scale

lstop

Tare

28980 15

Out 10/08/2010 14:19:07

lstop

Net Tons

40740 15

20.37

Comments

Product

LD% Oty

LOM

Rate Tax

Amount

Drinin

Cont Soil RCG-Tons 100

20,<u>3</u>7 Tons

ST JUSEDH-

Im# 0006012-0017-3

miver's Signature

Total Tax Total Ticket



Original Ticket# 929204

929 204

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier - ctysthbend CITY OF SOUTH BEND Ticket Date 10/08/2010

Vehicle# 716 Container -

Volume 20.0

Payment Type Credit Account Manual Ticket#

Driver

Check#

0000203 Billing #

Route State Wasts Code

Hauling Ticket#

Gen EPA ID

Destination

Manifest 503041in

PO

Profile

6030411H (PETROLEUM IMPACTED SOIL)

Generator

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Scale Operator Inbound Gross 67349 Jo Time Istop Tare 30050 It Scale 10/08/2010 14:35,03 In Met 36480 15 lator Dut 10/08/2010 14:35:03 Tore 18,81

Comments

UOM Rate Tax Amount LD% Oty Product Cont Soil RCG Tons 100 ST JOSEPH-18.24 Tons

Int 0006012-0017-3

Total Tax Total Ticket

briver's Signature Shone

ADRWM-N



Original -Ticket# 929216 929216

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND Ticket Date 10/08/2010

Payment Type Credit Account

Vehicle# 757 Container

Volume 30. G

Manual Ticket#

Driver

Check#

0000203

Route

Billing #

State Waste Code

Hauling Ticket#

Gen EPA ID

Manifest 603041in

Destination

PO

Profile 6030411N (PETROLEUM IMPACTED SOIL).
Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

10/08/2010 15:25:14 . In

Scale Scale

Operator Istop

Inbound

Grass Tare

74420 10 36440 35

Out 10/08/2010 15:25:14

Iston

Net Tone 37980 15 18.99

Comments

Product

Cont Soil RCG-Tons 100

LD% Qty UOM

Rate

Tax

Amount

18.99 Tons

ST JOSEPH-

Im#0006012-0017-3

Total Tax Total Ticket

Driver's Signature

NORFILK



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

Driver

Manual Ticket#

Hauling Ticket#

Check#

Route State Waste Code Billing #

Container

0000203

Manifest 603041in

Gen EPA ID

Destination

 p_{0}

Profile 603041TN (PETROLEUM IMPACTED SOLL)

Generator

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Operator Inbound Gross Time Scale 68340 lb In 10/08/2010 15:32:26 Scale Istop Tare 28969 15 Dut 10/08/2010 15:32:26 lstop Nat 39380 15 Tane 19,89

Comments

LD% Oty UOM Rate Tax Product Amount Origin 19,69 . Tons 1 Cont Soil RCG-Tons 100 ST JOSEPH-

In #0006013-0017-3

river's Signature

NORFOLK

Total Tax Total Ticket



Origina! Ticket# 929226

929224

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND Ticket Date 10/08/2010 Vehicle# 716 Volume 20.9

Ticket Date 10/08/2010
Payment Type Credit Account

Container T

Volume 20. ?

Driver

Manual Ticket# Mauling Ticket#

Check#

0000203

State Waste Code

Billing # Gen EPA ID

Route

Destination

Manifest 603041in

70

Profile 60304111 (PETROLEUM IMPACTED SOIL)
Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

	Time	Scale	Operator	Inbound	Gross	67880 lb
Ιn	10/08/2010 15:43:31	Scale	lstop		Tare	3 09 50 lb
Out	10/08/2010 15:43:31		lstop	•	Net	37020 16
			لمان دي	•,	Tons	18.51

Comments

	duct	LD%	Qty	UOM	Rate	Tax	Amount	Origia
	فه بالكاة المُسد فالذال الأخل فالد أداءاك أواهل أوجه اللحظ بدائم الأساء أحماة بأساء المعاد المعاد المعاد المعاد				المراجعة			the second sector and an advantage and the sector was
1	Cont Soil RCG-Tons	100	18.51	Tons				ST JOSEPH-

Im #0006012-0017-3

Total Tax Total Ticket

river's Signatura Shame



Original Ticket# 929281

ctysthbend CITY OF SOUTH BEND Dustomer Name JOHN BOETTCHER SEWER JOHN BOE Carrier Vehicle# 757 Volume 30.0

Ticket Date 10/11/2010

Payment Type Credit Account

Container Driver

Manual Ticket# Mauling Ticket#

Check#

0000203 Billing #

Route

Gen EPA ID

State Waste Code

Manifest 603041in

Destination

PO Profile.

603041IN (PETROLEUM IMPACTED SOIL)

Generator

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

76660 15 Scale Operator Inbound Gross Time 36490 lb Tare istop Scale 10/11/2010 08:22:58 40420 1b Net lstop · Out 10/11/2010 08:22:58 20.21 Tons

Comments

Amount Origin Tax LD% Qt y UOM Rate Product ST JOSEPH-Cont Soil RCG-Tons 100 20.21 Tons

In #0006012-0017-3

Total Tax Total Ticket

miver's Signature



Original Ticket# 929283_

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND Vehicle# 716 Volume 20.0

Ticket Date 10/11/2010

Payment Type Credit Account

Container Driver

Manual Ticket#

Check#

0000203

Hauling Ticket# Route

Billing # Gen EPA ID

State Waste Code

Manifest 603041in

Destination

Generator

PΩ

Profile

6030411N (PETROLEUM IMPACTED SOIL) 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Scale ; Operator Inbound

70620 15 30860 lb

10/11/2010 08:26:48 Out 10/11/2010 08:26:48

lstop Scale

Tare Net

Gross

39760 1b

lstop .

Tons

19.88

Comments

Product

LD% Qty MOU Rate Tax

Amount

Origin

Cont Soil RCG-Tons 100

19.88 Tons

ST JOSEPH-

In #0006012-0017-3

Total Tax Total Ticket

river's Signature

Share

Norto IK

403WM-N

(2)



Original Ticket# 929285

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND Vehicle# 718 Volume 20.0

Ticket Date 10/11/2010 Container Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code Manifest 603041in

Destination

PO

Profile 603041IN (PETROLEUM IMPACTED SOIL)
Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

67800 lb Inbound Gross Operator Scale Time 28960 lb Tare Istop Scale In 10/11/2010 08:30:47 38840 lo Net Istop Out 10/11/2010 08:30:47 19, 42 Tons

Driver

Check#

Billing #

Gen EPA ID

0000203

Comments

Origin Asount Tax Rate UÜM Product ST JOSEPH-19.42 Tons Cont Soil RCG-Tons 100

Ins# 2006012-0017-3

·Driver's Signature

403WM-N

Total Tax Total Ticket



Original Ticket# 929309

929309

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND Vehicle# 757

Ticket Date 10/11/2010 Payment Type Credit Account Volume 30.0

Container

Driver

Check#

0000203 Billing #

Gen EPA ID

State Waste Code

Manual Ticket#

Hauling Ticket#

Manifest 603041in

Destination

D(")

Route

Profile

6030411N (PETROLEUM IMPACTED SOIL)

Generator

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

78600 lb Operator Inbound Gross Scale Time lstop Tare 36440 1b Scale 10/11/2010 09:39:25 42160 15 lstop -Net Out 10/11/2010 09:39:25 21.00 Tone

Conments

LD% Oty UOM Rate ēΧ Asount Origin Product ST JOSEPH-Cont Soil RCG-Tons 100 21.08 Tons

In #0006012-0017-5

Total Tax Total Ticket

Friver's Signature

NORFICK



Original Ticket# 929313

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND Vehicle# 718 Volume 20.0 Ticket Date 10/11/2010

Dayment Type Credit Account

Container Driver

Check#

Manual Ticket# Hauling Ticket# Route

0000203 Billing #

State Waste Code

Gen EPA ID

Manifect 603041in

Destination

Profile 603041IN (PETROLEUM IMPACTED SOIL)
Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

72520 lb Operator Inbound Gross Scale Time 28980 lb Tare lstop 10/11/2010 09:53:48 Scale 43560 lo Net lstop · Out 10/11/2010 09:53:48 21.78 Tons

Consents

Rate Tax Amount Origin UOM LDX Qty Product ST JOSEPH-21.78 Tons Cont Soil RCG-Tons 100

Tw #0006012-0017-3

miver's Signature

Norfolk

Total Tax . Total Ticket

Œ



Original Ticket# 929322

Justomer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH DEND Vehicle# 716 icket Date 10/11/2010

Container

Polume 20.0

'ayment Type Credit Account lanual Ticket#

Driver Check#

iauling Ticket#

Billing # 0000203

loute Itale Waste Code

Gen EPA ID

lanifest 603041in

lestination

/O

603041IN (PETROLEUM IMPACTED SOIL)

rofile lenerator

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Scale Operator Inbound 6762**0** Ib Gross Time Tare 30860 15 lstop Scale 10/11/2010 10:13:40 36760 lb Net istop . lut 10/11/2010 10:13:40 18.38 Tons

longents

Tax Amount LDX Qty UOM Rate Product: ST JOSEPH-18.38 Tons Cent Soil RCG-Tons 100

Instance - 0017-3

Total Tax Total Ticket

"iver's Signature"

6



EARTHMOVERS RDF 26488 COUNTY RD 26 ELKHART, IN, 46517 Phs 574-875-5232

Criginal Ticket# 930070

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND Ticket Date 10/15/2010 Vehicle# Z57_ Volume 30, @

Container

Billing #

Gen EPA ID

0000203

Driver

Check#

Payment Type Credit Account

Manual Ticket# Hauling Ticket#

Boute

State Waste Code

Manifesi 603041in

Destination $\mathcal{O}()$

Profile

603041IN (PETROLEUM IMPACTED SOIL)

Generator

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time Scale Operator Inbound Grass 76340 lb ln 10/15/2010 12:31:25 Scale latop Tare 36440 1b Sut 10/15/2010 12:31:25 lstop Net 39900 lb Tons 19, 95

Connects

Preduct LD% Qtv MOL Rate Tax Amount Origin Cont Soil RCG-Tons 100 19.95 Tons ST JUSEPH-

Just 000000 -0017-3

Total Tax Total Ticket

miver's Signature

NORFOCK
(ADDITIONAL CONT.)



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

Manual Ticket# Hauling Ticket#

Mauling Tickett Route

Shate Waste Code

Manifest 603041in

Destination

PO

Profile

603041IN (PETROLEUM IMPACTED SOIL)

Senerator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time Scale - Operator Inbound Gross. 78500 15 10/18/2010 08:52:59 Scale lstop Tare 36440 ib 0 6 10/18/2010 08:52:59 lstop · Net 42060 lb Tons 21.00

Container

Billing #

Gen EPA ID

0000203

Driver

Check#

Connects

Product LDX Gty UGM Rate Tax Amount Origin

1 Cont Soil RCS-Tons 100 21.03 Tons 9 ST JOSEPH-

Twith bodoods on ?

miver's Signature

MORPORK NOWEK

Total Tax Total Ticket

403WM-N

Œ



Original Ticket# 930188

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND Vehicle# 718 _ Ticket Date 10/18/2010 Volume 20.0

Payment Type Credit Account

Manual Ticket# Hauling Ticket#

Route

State Waste Code

Manifest 503041 in

Destination

FJ

Profile Generator 603041IN (PETROLEUM IMPACTED SOIL)

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Operator Time Scale Inbound Gross 63640 15 10/18/2010 09:11:39 Scale istop Tare 28960 15 Out 10/18/2010 09:11:39 lstop 34680 10 Net 17.34 Tone

Container '

Billing #

Gen EPA ID

0000203

Driver Check#

Consents

Product LD% Qty MOL Rate Tax Asount Origin Cont Soil RCG-Tons 100 17.34 Tons ST JOSEPH-

Tw # 0004028-0017-9

river's Signature

Total Tax Total Ticket

20200203



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 Vehicle# 7 Volume 20.0

Payment Type Credit Account Container
Manual Ticket# Driver
Hawling Ticket# Check#

Route Check# Billing #

State Wasto Code Manifest 603041in

Destination

20

Profile 603041IN (PETROLEUM IMPACTED SOIL)

Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Operator Time Scale Inbound Gross 64360 15 In 10/18/2010 09:13:25 Scale laton Tare 28360. Ib Out 10/18/2010 09:13:25 Istop Net 36000 lb Tons Connents 18.00

Gen EPA ID

Product LD% Qty UDM Rate Tax Amount Origin

1 Cont Soil RCG-Tons 100 18.00 Tons

Tons Tons -0017-9

'iver's Signature

OukDru

Total Tax Total Ticket

(ADDITIONAL)



ENRIHMOVERS RDF 25489 COUNTY RD 25 ELKHART, IN, 46517 Th: 574-975-5232

Original Ticket# 920709

930709

Dustager Name JOHN BOETTCHER SEWER JOHN BOE Carrier etysthband CITY OF SOUTH BEND

Vehicle# 719

Volume 20.0

Ticket Date 19/21/2010
Payment Type Credit Account

Container Driver

Checkt

Billing # 0000203

Manifest 602041in

Manual Ticket# Hauling Ticket#

State Waste Code

Sen EPA ID

Dectination

DO.

nduct:

Profile 6030411N (PETROLEUM IMPACTED SDIL)*

Senerator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time

Scale Scale

Operator

Rate

Inbound

Gross

£5620 15

In 10/21/2010 07:21:01

lstop

Tare

28960 15

Out 18/21/2010 07:21:01

lstee .

Net

26660 lb

Tons

19.33

Comments

Product

REPLACEMENT TICKET FOR TICKET # 920709

LD%

Cont Sail RCG-Tone 100

10.73

Oty

. Тан

Amount

ST MOSERH-

Total Tax Total Ticket

maver's Signature

ENRIHMONERS RDF 25488 COUNTY RD 26 ELKHORT, IN, 46517 Phr 574-975-5232

Original Ticket# 970751

Ductomor Name JOHN BOETTCHER SENER JOHN BOE Carrior ctysthbend CITY OF SOUTH BEND

Ticket Date 10/21/2010 Vehicle# 716 Values 20.0

76740 15

Container

Payment Type Credit Account Manual Tiplicatt

Driver

Checkit

Eilling # 0000203 Gen Ern 10

State Waste Code Manifest SEZBAlin

Doctination

Maglino Ticket#

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Route

Profile 5020411N (PETROLEUM IMPACTED SOIL)

141-CITY OF SOUTH BEND CLTY OF SOUTH BEND Benerator

Bross Inbound Seale **Operator** 7:35 Tare Coale istop In 10/21/2010 10:16:45

22850 15 Dut 19/21/2010 10:15:45 lstop . Net 45000 lb Tonc 22,54

Comments

COM 1.0% Qty . Rate Tax Assunt Product ST JUSEPH-1 Cont Soil RCS-Tono 100 Tons

T * cook of 8 ,0017

Total Tax Total Ticket



ENRITHMOVERS RDF 26/88 COUNTY RD 26 ELMHART, TH, 46517 mb: 574-875-5232

Original Ticheth 93001:

930814

Customer Name JOHN BOETTCHER SEMER JOHN BOE Carrier etysthbend CITY OF SOUTH BEND Ticket Date 10/21/2010 Vehicle# 3 Volume 30.0 Voluma 35.0

Payment Type Credit Account

Manual Ticket# Hauling Ticket#

Route

State Wasts Code

593041in Monifest

Bastination

(15)

Pratile

6030411N (PETROLEUM IMPRICTED SOIL)

Generator

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

7

10/21/2010 13:27:37 Out 10/21/2010 13:27:37 Seale

Ecole -

Istop ...

Operator Istop

Centainer 7 Driver

Billing #

Gen EPA ID

Check#

โกธอนุกต์

0000203

75.00

Met Tens

Broto

27360 11 29760 lb

57120 15

14.62

Comments

Treduct ST JOSEPHi Cont Soil RCE-Tons 100 14.88 Tons

> Total Tax Total Ticket



EARTHMOVERS FOR 26489 COUNTY AD 25 ELKHORT, IM, 46517 Dh: 574-875-5272

Original Ticket# 930020

930820

Customer Name JOHN BOETTCHER SEWER JOHN SOE Carrier ctysthbond CITY OF SOUTH BEND

Vehicle# 716

Volume 29. 8

Ticket Date 10/21/2010 Payment Type Credit Account

Container Driver

Manual Ticket# Hauling Ticketh

Checkt

Pouts State Naste Code

Billing # 0000202

Gen EM ID

Destination

Manifest 603011in

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Profile

5020411N (PETROLEUM IMPACTED SOIL)

Scarrator

141-CITY OF SOUTH BEND CITY OF BOUTH BEND

1285

Scale . Saule

Sperator

Inbound

Grass

Copps 15

10/21/2010 13:45:30

Istop

Torn Met

38666 lb

Out 10/21/2010 13:45:38

Titop .

31360 lb

Tons

15,60

Comments

Pred				LD%	Ü ∜ ÿ	LIOM	Date	Tax .	ាំតែខយាង ពិតខយាង	Origin
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i.	Cent	Soil	RCS-Tons	100	15.68	Tons				et joseth-

L # 000 hosts: - 0017-9

Total Tax Total Ticket

Iniver's Signature Shine



Original Ticket# 920035

9308 35

Dustoner Name JOHN BOETTCHER GENER JOHN BOE Carrier etysthbond CITY OF COUTH BEND Ticket Date 10/21/2010
Payment Type Credit Account Vehicle# 718 Volume 20.0

Container

Driver Checkt

Billing # 0000203

Gen Ern ID

Manifest 6020/11n

State Waste Code

Manual Tickett Hauling Ticket#

Doctinotion

Route

Profile 6030411N (PETROLEUM IMPACTED SOIL)
Generator 141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Inbound Time Scale Coorator Gross 62740 lb In 10/21/2010 14:23:16 Scale Lottop Tarre. 20960 lb Istop . Dut 18/21/2010 14:23:15 Net 23790 15 16.09 Tana

Comments

T#0000028.0017 Rate Tax Ascunt LDX Oty UDM Product Cont Soil RCS-Tone 100

ST JOCEPH.

Total Tax Total Ticket

'miver's Eignature



Original Ticket# 930855

930855

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier etysthbend CITY OF SOUTH BEND Ticket Date 10/21/2010 Vehicle# 3 Volume 30.0

Container

Billing #

Sen EM ID

00000203

Driver

Check#

Payment Type Credit Account

Manual Ticket# Hauling Ticket#

Route

State Waste Cede

Manifest

603041in

Destination

ng

Profile

EGZGALIN (DETROLEUM IMPACTED EDIL)

Generator 141-C

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Inbound Scale Wernter Grees 59868 1 Tigo In 10/21/2010 15:24:24 Scale lotep · 1376 27340 1 litep. tich 12500 Out 10/21/2010 15:24:24 Tane 16.2

Commonto

Oreduct LD% Oty UOM Rateq Tax Omeunt Origin

1 Cont Soil RCS-Tons 100 15.25 Tons 4 OF ST JOSEPH-

Thoms 18.00

Noch Total T

Total Tax Total Ticket

Driver's Eignature



Original Ticket# 920059

Valume 26.8

930859

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthband CITY OF SOUTH BEND Vehicle# 716

Ticket Date 19/21/2010

Payment Type Credit Account

Manual Tickett Hauling Ticket#

Route

State Waste Code

Manifest 603041in

Destination

ro

Profile

S03041IN (PETROLEUM INPOCTED EDIL)

Generator 141-CITY OF SOUTH SEND CITY OF SOUTH SEND

Time

10/21/2010 15:40:42

Spale Scale

17%

Operator ...

Container

Bon Ern ID.

Billing # 0000203

Driver

Checkt

Inbound

Stals

59442 15

In

Dut 10/81/2010 15:10:42

sellian cellian.

Tarc

30060 15

Net Tone

20500 15 1 14 (4)

Comments

Product

Ot :

MOIL

Rate

Tax

Cacunt

Origin

Cont Soil RCG-Tens 100

14.29 Tons

ST JOSEPH-

T # 00000 18-00 17-

Total Tax Total Ticket

miven's Cignoture



Original Ticket# 931237

Customer Name JOHN BOETTCHER BEHER JOHN ROE Corrier ctysthbend CITY OF SOUTH BEND Vehicle# 718 Volume 20.0 10/26/2010 Ticket Date Payment Type Credit Account Container Driver Manual Ticket# Chackt Hauling Ticket# Billing # 0000003 Route Sen EM ID State Waste Code 503941in Manifest Destination

PO Profile 6030411M (PETROLEUM IMPACIED SOIL)

Senerator 141-CITY OF SOUTH BEND COTTON AND LONG

Spale Inbound Gross 62100 15 Time Tare 10/26/2010 98:46:25 Scale: 20060 15 In Out 10/26/2010 08:45:25 settian. Net 34149 15 Tons 17.07

Comments

Product LD% Oty UOM Rate 00 Tax Amount Origin

1 Cent Soil RCS-Tons 180 17.07 Tens 180 St JOSEPH-

/) **OU-

Total Tax Total Ticket

river's Signature

'03VVM



ENRIHMOVERS RDF 26788 COUNTY RD 26 ELXHORT, IM, 46517 Ph. 574-875-5232 Original Ticket# 931254

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND Vehicle# 715 Volume 20.0 Payment Type Credit Account Container Manual Ticket# Briver Check# Route Billing # 0000203

State Maste Code

Manifest 603041in

Destination

Profile

6030411N (PETROLEUM INFACTED SDIL)

Generator

141-CITY OF SOUTH DEND CLOS OF BEND

Take stor Scale 3 Inbound Time Gross 65840 lb 10/26/2010 09:35:25 Scale 🕠 se Mon Tare 30860 15 To Filter Dut 10/26/2010 09:35:25 Mct 24980 15 Tons 17, 19

Sen EPA ID

Comments

Product LD% Oty UCM Rate Tax Amount Origin

1 Cont Soil RCG-Tons 100 17.49 Tons 7 St JOSEPH-

Just out of off

Total Tax Total Ticket

river's Bignature Shape



Original Ticket# 931256

Customer Name JOHN BOETTCHER SEMER JOHN BUE Carrier ctyothbond CITY OF SOUTH BEND Vahicle# 718 Ticket Date 19/26/2010 Volume 28.6 Payment Type Credit Account Container -Manual Ticket# Driver Hauling Ticket# Checkt Billing # Route 00000203 State Waste Code Gen EM ID 503041IN Manifest Destination ΡÖ EGZGATIN (PETROLEUM INTOCTED SOIL) Profile 141-CITY OF SOUTH BEND CITY OF SOUTH BEND Senerator **Domestor** Time Scale Inbound Grac: 53350 lb 10/25/2010 10:17:48 Ecale Tarc 28960 15 Out 10/26/2010 10:17:48 on Milan. Met 21400 15 Tons 17, 20 Consente Product Maount Origin Cont Soil RCS-Tons 100 17.20 ST JOSEPH-

mivem's Bignature

Portole

Total Tax Total Ticket

403WM

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10/26/2010 10:19:55

1012111 101111 Operator Generator 707510

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Product

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Cont Both Bob-Tane 188

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Ticket Date

State Macte Code

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miver's Signature Shop

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Original Ticket# 921273

EDRIHMOVERS RDF 26488 CDUNTY RD 26 ELXHORT, IN, 46517 Ph: 574-875-5232

Cristones and College Controller bottom college correct Credit Occaust 10/26/2010 10分かり10年 negationed City of course and

Costainer

Holumo OB, &

Ben Effi ID Driver 당았다 26000000

THIS STATE OF SOUTH DEAD CITY OF SOUTH DEND

Inbound

Street Street

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Tetal Ticket

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ENRIHMONERS RDF. SEVER COUNTY BD SE ELYHORT, IN, 16517 Ph: 574-875-5232

Original Ticket# 931409

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier etysthbend CITY OF SOUTH BEND Vehicles 715 Ticket Date 10/27/2010 Volume 20. 6 Containd

Brivery

Checkit

Billing #

Sen Enn ID

0000202

Payment Type Credit Account

Manual Ticketh Hauling Ticket# Boute

State Maste Code

Manifest 603041in

Destination

UU

Profile 503041IN (PETROLEUM-IMPRETED SOIL)

1/1-CITY OF SOUTH BEND CITE OF COUNTY BEND roterene

Scale 10/27/2010 10:21:09 Scale : Out 10/27/2010 10:21:09 rotop .

Comments

Product LD# Oty Rate Tax Amount Cont Soil RCS-Tone 100 ST JOSEPH-

Ins# Docto28,0017

Total Tax Total Ticket

Grees

Tare

Met

Tons

56200 1b

30640 16

25660 15

12, 83

river's Bignature Share



ENRIHMOVERS ROF SEASS COUNTY RD SE, ELYMART, IN. 46517 Ph: 574-875-5232

Original Ticket# 921412

Volume 30.0

Customer Name JOHN BOETTCHER SELER JOHN RIE Carrier ctysthbend CITY OF BOUTH BEND icket Date 10/27/2010 Vehicle# 757 Volume 30.0

layment Type Gredit Account

Manual Ticket# Hauling Ticketh

Route

State Waste Code

Manifest

803041in

Destination

nn

Profile Segerator COROLLIN (PETROLEUM INTRETED SONL)

141-CITY OF SOUTH SEND CETE SE SOUTH SEND

18/27/2010 10:28:36 Dut 10/27/2010 10:28:35

Scale Scale

LD%

Container

Billing #

Sen EPA ID

Priver

Checkf

Inbound

0000203

Gress

75040 lb 36440 15 -

Tarc Met

39500 15

Tone

19.80

Consents

Product

lotep

Nacunt

Origin

Cont Soil RCG-Tons 100

19.80

ST JOSEPH-

Thools 28.

Total Tax Total Ticket

river's Eignature



ENRIMOVERS RDF 26498 COUNTY RD 26 ELYHORT, IN, 46517 Th: 574-875-5222

Original Ticket# 931430

Cushese Name JOHN FOR SEMER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND Vebicle 715 Volume 20.0 Vol

TOTAL PROBLEM INTROLEM SOND

ENSTRUCE TO THE CITY OF SOUTH BEAD CLASS OF SWISH BEND

| Scale | Eparator | Inbound Gress | 66600 15 |

Product LD: Ct; UCM Rate Tax Omeunt Origin

1 Cakt Seil RCG-Ton: 100 17.98 Tens CONTROL ST JOSEPH-

Proteil Tan
Tetal Tan
Tetal Ticket

Signature .

101



Original Ticketh 931454

Volume 20.0

931454

Customer Name JOHN BOETTCHER BEHER JOHN BOE Carrier ctysthbond CITY OF SOUTH BEND

Ticket Date 10/27/2010

Payment Type Credit Account

Manual Ticketh Hauling Ticket#

Route

State Waste Code Manifest

603041in

Destination

₿°O.

Profile Generator 6030411N (PETROLEUM IMPOSTED SOLL)

Time

Out 10/27/2010 13:13:09

141-CITY OF SOUTH BEND CAR OF COUTH BEND

10/27/2010 13:13:09

Scale Scale -

LD7

Inbound

Srace Tare

51960 15 30540 lb

Met

31220 15

Tons

15. €€

Cossente

Product

Oty

SIGH.

Rate

Vehicle# 715

Container -

Billing &

Sen EPA ID

Driver

Checkf

Tax

Daount

Origin

Cont Bail RCG-Tone 100

15.65

ST JOSEPH-

Total Tax Total Ticket

miver's Signature Shace



ENATHMOVERS RDF 26480 COUNTY RD 26 ELWHORT, IN, 46517 Ph: 574-875-5232

Original Ticket# 931470

931470

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier etysthbend CITY OF SOUTH BEND Ticket Date 10/27/2010 Vehicle# 715 Volume 20.0

Payment Type Credit Account

Manual Ticket# Hauling Ticket#

Route

State Waste Code

Manifest 603041in

Destination

MO

Profile

E02011IN (PETROLEUM INTACTED SOM)

Generator

141-CITY OF SOUTH BEND CARK OF SOUTH BEND

Time Scale Scale In 10/27/2010 13:58:18 Scale Out 10/27/2010 13:58:18

Container -

Billing #

Son EM IB

Driver Checkt

Inbound

0090203

Grees 57980 15 Tare 30860 15

Met Tone 37129 1b

Comments

Product LD% Oty UOM Rate Tax Amount Origin

i Cont Sail RCG-Tons 100 18.55 Tons 20 ST JOSEPH-

Lyk Otslood Brook

Total Tax Total Ticket

river's Signature



ENATHMONERS ROF 26488 COUNTY RD 25 ELMANRY, IM. 46517 Phr 574-875-5232

Griginal Ticket# 931481

21.72

Customer Mane JOHN BOETTCHER SEVER JOHN BOE Carrier - ctysthbond CITY OF SOUTH BEND

Ticket Date 10/27/2010 Vehicle# 715

Volume 20.0

Payment Type Credit Account Briver Manual Ticket#

Container -

Hauling Ticket#

Checkf

Billing # 0000203

Gen EPA ID

State Waste Code Manifest 603041in

Destination

Route

603041IN (PETROLEUM INTOLIES SOIL) Profile

141-CITY OF SOUTH ASTO STACES BEEND Generator

accord or Scale Scale bavodaī Time Gross 74000 15 15825 10/27/2010 14:24:47 Tare 30640 lb Dut 10/27/2010 14:24:47 Istop. Met 43440 15

Tons

& Comments

Product LD; Oty . UOM Rate Tax Assunt Origin 1 Cent Seil RCG-Tons 180 SI JOSEPH-

Total Tax Total Ticket

Driver's Signature



ENRIHMOVERS RDF 26488 COUNTY AD 26 ELKHART, IN, 16517 M: 574-875-5232

Original Ticket# 931497

Volume 20.0

Bustomer Name JOHN BOETTCHER SEMER JOHN ME Carrier

Ticket Date 10/27/2010

Payment Type Credit Necount

Manual Ticketh Apuling Ticketh

Route

Etate Waste Code

Manifest

503011in

Destination

Profile

60301111 (PETROLEUM IMPRICTED SOIL)

Benerator

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time

Scale

Descator

Inbound

Erost

56660 1b

In 10/27/2010 15:17:45

Scale ...

i mw

Later

Out 10/27/2010 15:17:45.

Tare

stysthbend CITY OF SOUTH BEND

30860 lb

Not

35000 15

Tons

17.98

Consente

Product

Oty

Rate

Vehicle# 716

Container

Billing 8

Gen EM ID

Briven

Checkt

Tax Daount

Origin

Cent Soil RCS-Tone 100

Tons

HIM

0000203

ST JOSEPH-

Total Tan Total Ticket

river's Signature



Profile

Generator

ENRTHMONERS FOR SEASE COUNTY RD 25 ELKHORT, IN, 46517 Phr 574-875-5232

141-CITY OF SOUTH TEND SET TO THE TEND

Original Ticket# 921502

Customer Name JOHN BOETTCHER SEVER JOHN BOE Carrier ctysthbond CITY OF SOUTH BEND Vehicle# 715 10/27/2010 Ticket Date Volume 20.0 Container Payment Type Credit Account Manual Ticket# Driver . Hauling Ticket# Checkt Billing # 0000203 Poute Gen EPA ID State Waste Code Manifest 603041in Destination PO COZOMIN METROLEUM IMPACTOR STALL

Scale Inbound Time Gross 59260 15 10/27/2010 46:03:19 10/27/2010 16:03:19 In Scale . Tare 30640 15 Met 28628 15

Toac Comments

100 Rate Ansont Origin

Cont Boil RCG-Tons 100

.ET JOSEPH-

14, 31

Portolk Total Tax Total Ticket



ENRIHMOVERS ROF 26488 COUNTY RD 26 ELYHORT, IN, 46517 Ph: 574-875-5232

Original Ticket# 931515

Volume 20.0

Justoner Mane John BOETTCHER SEMER JOHN BOE Corrier etysthbend CITY OF SOUTH BEND

Ticket Date 10/28/2010

layment Type Credit Account

fanual Ticketh tauling Ticket#

Route

State Waste Cede

tanifest

£03041in

lestination

Profile

E03041IN (PETROLEUM IMPROTED EDIL)

Bonorator

141-CITY OF SOUTH BEND DITT OF BOMBH PEND

Time

10/28/2010 07:52:27 Dut 10/28/2010 07:52:27 Scale

Desirator Scale

Potop letop

labound

Grace Tare

67020 15 30050 15

of C

35160 15

Tons

18.00

Comments

Product

LD% Oty

HOM

Rate

Vehiclef 715

Container ' Driver

Billing # Sen EPN ID

Checkt

A Tak

0000203

Magunt

Origin

ST JOSEPH-

Cont Boil RCB-Tons 100

19.09 Tons

Total Tax Total Ticket

miven's Eignature

403WM

Nordk



ENATHMOYERS NOF SE 188 COUNTY AD SE ELKHART, IN, 46517 Phr 574-875-5232

Original Ticket# 921529

Ticket Date Payment Type	10/20/2010 Credit Account		IDE Carrier Vehicle# Container Briver	etycthbend 757	CITY OF	Poluse 30.0	
Manual Ticket			Checkit		; .		
Hauling Ticks Route	6 H	·	Billing &	2020203	٠.		
State Haste C	ade		· Sco SM I				
Manifest	503041in	•	•	•	•		
Destination		•	•				
70							
Profile		OLEUM IMPORT			•		
Generator	141-CITY OF SO	uth bend fift		ND.			
Time		Scale	Mediator	1abo	und Gr	ි කුරුප පිස්දුර	E1689 I

	Tige	Scale	Territor	1 abound	Groce	6168 9 15
In Out	10/20/2010 00:42:33 10/20/2010 00:42:33	Scale	in the second		Tare Net	36440 lb 28240 lb
***	•				Tenc	14.12

Comment:

Pro	duct	LDX	Qty	UCM·	Rate 1	Тан	Naount	Or	igin igin
1	Cont Bail RCG-Tens	100	14.12	Tons	030001		militar and the season and the seaso	ST.	JOSEPH-
	·			los .			·		
			Ş	1200,			Total Tax Total Ticket		

river's Signature



ENRITHMONERS ROF 26488 COUNTY RD 26 ELKHART, IM. 16517 Phr 574-875-5232

Driginal Ticket# 931543

Customer Name JOHN BOETTCHER BEWER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND

Ticket Date 10/29/2010 Vehicle# 715

Volume 20.0 Container

Payment Type Credit Account Manual Ticket# Hauling Ticket#

Driver Checkt

Route State Waste Code

Billing # .Ben EM ID

Manifest 603041in

Destination

Profile

[10]

E020/11N (PETROLEUM INVOCTED SOIL)

141-CITY OF SOUTH BEND CITY OF SCHOOL BEND Benerator

Derator

10%

Time In 10/20/2010 09:18:35

Scale : Scale

De ..

bawodal

Grace

52820 15

Cut 10/29/2010 09:19:25

inter. latop ... Tare Net Tons

30000 15 31960 15 15.98

Conments

Product

N W

Rate

Tax

Canount

Origin

Cont Scil RCS-Tons 100

15.98 Tens

ST JOSEPH-

river's Signature

Total Tax Total Ticket



EARTHMONERS ROF 25488 COUNTY RD 25 ELYHORT, IN, 46517 M: 574-875-5232

Original Ticket# 931550

ST JOSEPH-

Customer Mame JOHN BOETTCHER SEVER JOHN BOE Carrier ctysthbend CITY OF SOUTH REND Vehicle# 757 18/29/2018 Ticket Date Volume 30.0 Container > Payment Type Credit Account Driver Manual Ticket# Hauling Ticket# Checkt: Billing & Route Sen, EM ID State Waste Code Hand ife st 602041in Defination P 5030411N (PETROLEUM INTRETED SOIL) Worll's 141-CITY OF SOUTH BOND CETY OF SMALL PEND Generator In 20028/2010 09:59:11 Scale : Inbound 67620 1b Gress Scale Tare 35440 15 Dut 720/28/2019 09:59:11 lotoo. Not 31160 15 Tons Comments LDY UOM Tax Product Oty Rate Ascunt Drigin Cont Soil RCG-Tons 100 15.59 Tons

> Total Tax Total Ticket

river's Bignature

Ang\ww



ENATHMOVERS ADF 26468 COUNTY RD 26 ELKHORT, IN. 46517 Ph: 574-975-5232

Original Ticket# 931555

Customer Name JOHN BOETTCHER GEVER JOHN BOE Carrier etysthbend CITY OF SOUTH BEND

Ticket Date 10/28/2010

Vehiclet 718 Container -

Volume 20.0

Payment Type Credit Account Manual Ticket#

Driver

Hauling Ticket# Route

Check#

0000203

State Waste Code

Billing # Sen EPA ID

Manifest 603041in

Destination

DO.

Profile

6020111N (PETROLEUM-INTRETED EDIL)

Generator

141-CITY OF SOUTH BEND SEET OF SOUTH BEND:

Time

Scale :

isbound

Gress

70560 15

i ita

Tane

10/28/2010 10:28:03

Scale

30950 15

Dut 10/28/2010 10:20:03

leten .

Mot

39700 15

Tone

19, 95

Comments

Drod	uct		LD%	Oty	UOM	Rate	Tax	Amount	Origin
T		خوالة خبيث فالرابغ الدخة الخبية للجلة والكال وجالة وجالها والجال والأ		معاد خاط شاهه کامه حدم بیدر برس) واواد	-		H was the ten start the sale may be an and designed.	Margini may disprise multiplicate property was a	e james de mande de les dé désertes des
į	Cont Sail	RCG-Tons	100	19.85	Tons_N	•			et ingenu-

Total Tax Total Ticket

river's Signature

portalk



EARTHMOVERS ROF 26188 COUNTY RD 26 ELKHART, IN, 16517 Ph. 574-875-5232

Original Tickett 931568

Customer Name JOHN BOETTCHER EEVER JOHN BOE Carrier etysthbend CITY OF SOUTH BEND Pehiclet 757 Ticket Date 10/28/2010 Volume 36.6 Payment Type Credit Account Container Manual Ticket# Driver .Check# Hauling Ticket# Billing # Route Gen EPA ID State Waste Code Manifest E03041in Destination' PΩ COZOALIN (PETROLEUM IMPACTED SOLL) Profile 141-CITY OF SOUTH PEND SHIP OF BEECH BEND Generator

	Time		Scale	Packator		Inbound	Grass	783	rife :	15
In	10/28/2019	11:20:14	Scale	5011137	• •		Tart	364	40	15
But	10/28/2010	11:20:14		sell fam		36	Met	1.419	ትርስ	15
							Tono	•	20.	25

Comments

Prod		tome during factor which depth which depth dates and the second	[B%	<u>D</u> \$4	LIOM	Rate	Tak	Næount	Corigin
ż	Cont Soil	RCG-Tens	199	20. 95	Tons	OK.	•		ST JOSEPH-

THE COURSE OF FOIL

Total Tax Total Ticket

ver's Eignature

VM



EURITHONESS SEE 26488 COUNTY RD 26 ELKHMAT, IM, 46517 Ph: 574-975-5232

Original Ticket# 931573

Dustomer Name JOHN BOETTCHER SEHER JOHN BUE Carrier atysthbond CITY OF SOUTH BEND Vehicle# 715 Volume 20. 9

Ticket Date 10/28/2010

Payment Type Credit Account

Manual Ticket# Hauling Ticket#

Route

State Waste Code

Manifest 603041in

Destination

DO

Profile

SOCOALIN (PETROLEUM INTREMED SONL)

141-CITY OF SOUTH BEND STATE OF BURN BEND Senerator

Scale Oppostor Inbound Time Gross 50550 1b In 10/29/2010 11:40:45 Casla ... sellian Tarre 30860 1b selltan' Dut 10/28/2019 11:40:45 Mot 29700 16

Container -Design

Sen Ern ID

Billing # 0000202

Checks

โตกร

Coasents

LD% Product Qt y Rate Nacunt Tax Origin Sent Seil RCS-Tens 100

14,85 Tono

ET JOSEPH-

14,85

river's Signature

Total Tax Total Ticket



ENRILHOUERS ROF 25/89 COUNTY NO 25 ELYHORT, IN, 46517 M: 574-875-5232

Original Ticket# 931600

Justomer Name JOHN BOETTCHER SEMER JOHN BOE Carrier etysthbond CITY OF SOUTH BEND

Ficket Date 10/28/2019 .

Vehicle# 757 Container T

- Volume 30.0

Payment Type Credit Mccount

Manual Ticket#

Driver Check#

Hauling Ticket#

Route State Maste Code

Manifest E03041in

Billing # 0000203

Gen EMA ID

Destination

וור

Profile 6030411N (PETROLEUM INTOCIED SOIL)
Benerator 141-CITY OF SOUTH BEND CETT FEMALE BEND

74329 15 Scale Inbound Grass Time Scale 4 Tare 10/29/2010 12:59:27 38440 15 Out 10/28/2010 12:58:27 Iston Met 37880 15 Tons 18.94

Comments

Asta Andrew Andr Tax Product Cancart Origin Cont Soil RCS-Tons 100 ST JOSEPH-

Total Tax Total Ticket

river's Eignature



ENRITHMOYERS ROF 26488 COUNTY RD 25 ELKHART, IN, 45517 Ph. 574-875-5272

Original Ticket# 931510

Volume 20.0

Customer Name JOHN BOETTCHER SEVER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND

Ticket Date 10/28/2010

Payment Type Credit Mecount

Manual Ticket# Hauling Ticket#

Route

State Waste Code

Manifest

603941in

Destination

Profile

SOZOALIN (PETROLEUM IMPRESED SOLL)

Scherator

141-CITY OF SOUTH BEND CLITY OF BONN BEND

Scale-

Whichet 715

Container -

Billing #

Sen Ern ID

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Checkt

Inbound

80000203

Gross

60520 1b

10/28/2010 13:31:13 Dut 10/28/2010 13:31:13

Tons

Tare Met

- 30860 lb

29660 15

Tone

14, 23

Coasonta

Product

Cont Bail RCG-Tons 100

Oty 14,83 Rate Tax

Amount

Origin

ST JOSEPH-

Total Tax Total Ticket

river's Signature



ENTHMOVERE ROF 26488 COUNTY RD 26 ELWHORT, IM, 45517 Thr 574-875-5222 Original Ticket# 932387

الا عادد خلا است. بأنت يُتَوَّع بنيان يُعلن شاعر ليون الماري ال	When were due to the little and the contract of the little								
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ionacnt:		• • •		हैं। भरता के की रीवीं	e inglis (green visite)	Test Cont. House			
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m - 11/04/2010 mt - 11/04/2010		,				erapropriation in the second	්දී කර්වී	Net	75120 1
Tiec		Scal			or E	i inc	ម៉ាល់	Eross Tare	65980 11 30 8 60 11
	41-CITY OF				H BEND	Anbe	Å -}		
O rofile E	02041IN (T	etro si	m. impoci	ED SOIL)	estation of the second	Farman on A			
estination	•	-							
lanifest 5	03041in	•			•				
bate Waste Cod	Ĉ.			Gan l	ern id				
buishg Ticket#	•					2020203			
anual Ticketf		•		Driv Chec				•	
ayment Type C	redit Neco	ent.			jiner				
icket Date 1	The street of the street of the street				elest 71	-		Voluec	

Total Tax Total Ticket

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ENSIHMONERS RIF 26/89 COUNTY 90 26 ELMMART, IN. 46517 Ph. 574-875-5232 Original Ticketh 932390

* Cont Soi	1 BCG-Tons	1.00	9.87 Ton	. 		4	67 JOSEPH-
Product		LD% Qt	y UO	Aate	Tak	fleount	Brigin
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Connents			43/4	Part of the Co			તાલું અને ક
	10 11:17:23 10 11:17:23	. AS		•		Tare.	48700 lt 29960 lt 19740 lt 9,87
-Benerator -	aratura i. E					And One	t especially and
-Orofile	6030411N (IMPACTED	eotl) F aci est bei	4% 4	•	
PO .							
Manifest Destination	602011in						
State Waste C				Sen EM II	3		
Route	4.1		!	Billing #		•	
Hauling Ticket				Chock#		:	
Payment Type Manual Tickett		ount.		Briver Briver			
Ticket Date	11/84/2018			Vehicle# Container	718	no.	luac 20.0
Gustomer Mame			There is not	Seat to Refer	•	CITY OF SOL	

403WM

Total Tax Total Ticket



ENRITHMOUTERS RIF SEVER COUNTA UD SE ELMMRT, IN, 16517 Mrs 574-875-5232

Original Ticketh 932422

Customer Name JOHN BOETTCHER SENER JOHN RIE Corrier ctysthbond CITY OF SOUTH BEND Vehicle# 757 Volume 30.0

Container

Billian #

Sen Ern ID

Briver

Checks

Ticket Date 11/04/2010

Payment Type Credit Necount

Manual Ticket# Hauling Ticket#

Route

State Waste Code

Monifest 60204lin

Destination

TO.

Prefile

SOZOMIIN (PETROLESE IMPREZEE STEEL

141-CITY OF EQUIPMENT OF ESTATE SOUTH DEND Generator

Tisa 11/04/2010 12:43:17 Seale :

Out 11/04/2010 12:43:17

Inbound

0000203

Gras: 80060 15

Tare 35440 lb Mot 43620 15 Tons 21.81

Comments

Q\$y Trey UOM Date Tax Assunt Product Origin Cent Soil RCG-Tens 100 21.81 Toms ST JOSEPH-

Notton

Total Tan Total Ticket



ECRTHMOVERS RDF 26489 COUNTY RD 26 ELXHORT, IN, 46517 Dh. 574-875-5222 Original Ticket# 932440

Custemer Name Ticket Date	11/04/2019	B	EWER JOH	ii ci	ricle# 718		TY OF SOUTH	
Payment Type	Credit Ac	Count			tainer .	÷		
Manual Ticket				-	iver Sold		:	
Hauling Ticks	TH	• •				000203	• •	
Route					lling # 0 :EPN ID	wwe.wa	•	
State Waste D				اخب	4: 10ml 11 Tr22		,	
Manifest	603041in	•					•	•
Destination				•				
PO		والمستخدمة	ide Tarks in compa	TOTAL	and the second s	e la emperata		•
Profile	6030/11N	(I.F.) MULL		EJEO, SCA				•
Benerator'	141-CITY	OF SOUTH			BOW DEND		•	
Time In 11/04/20	10 13:45:3		ale le	The contract of the contract	itor	Inbound	Tane	5 8 120 1: 20 9 60 1
	10 13:45:3		一个人。在1965	100	Bo program in the said	ಜಾಲ ನಡಲ್	8 Not	39168 1
. 6000 42.707745		•	43.7.6E.3		J.A. 803			19,5
Comments					en hari et i et i et part al	Marie de la Persona de Marie de la Persona d	70132	ند و د د
, *					• •			
			•	•			·	
fraduct	ř	LD%	Othy	LICH	Rafe.	Tax	Amount	Origin
1 Cent Sei	1 RCG-Tons	100	19.59	Tens	والقرائية والقراودية والمستنب المستركة والمستركة والمستر	و بيرو و دو د	والمراد والمراد والمراد والمراد والمراد والمراد والمراد والمرد والمرد والمرد والمرد والمرد والمرد والمرد والمرد	ST JOSEPH-

Driver's Bignature

403WM

Total Tax Total Ticket

Norfolk



ENRTHMOUERS RDF 26488 COUNTY RD 26: ELWHORT, IN, 46517 Ph: 574-875-5232 Original Ticket# 932457

Justomer Name JOHN BOETTCHER SEWER JOHN BOE Ticket Date 11/04/2010 Payment Type Credit Account Manual Ticket# Hauling Ticket# Houte	Carrier ctysthbond CITY Yehicle# 716 Container Driver Check# Billing # 0000203 Gen EPA ID	OF BOUTH Volume	
State Naste Code Manifest 603041IN Destination FO Profile 603041IN (PETROLESE IMPO			
Time Scale Scale Dut 11/04/2010 15:08:17 Scale I	inbound	Gross Tare Met Tons	67300 15 30960 15 36440 15 18,22
Comments REPLACEMENT TICKET FOR TICKET	* 932166	A THE B ME!	de Var de deprêjan

•							•		,	
Prod			1.13%	Oty ·	LICH	•	Rate	Tax	กิขอนทร	Origin
	ه خود مند ها مندومود لينو مندومود وايده وينه						مناطقها محمدتها فالمداد والمواسطة	الله المدينية والي الدين بدين بالماراتين المياراتين المياد المياداتين 	برست مثله عبده دوله خواه مثله البده ويتد يميد بدائم وي	man and the good of the state o
1	-Cant Soil	RCG-Tons.	100	18, 22	Tons					ST JOSEPH-

Miver's Signature

Sharin

Total Tan
Total Ticket /k

ENATHMOVERS RDF 26488 COUNTY RD 26. ELYHORT, IN, 46517 The 574-875-5232

Original Ticket# 932479

Customer Name JOHN BOETTCHER SENER JOHN BOE Carrier etysthbend CITY OF SOUTH BEND Vehicle# 757 Volume 30.0

Ticket Date 11/04/2010

Payment Type Credit Account

Manual Ticket# Hauling Ticketh

Stuck

State Waste Code

Manifest 603041in

Destination

ΓÐ

Profile

6030411N (PETROLEUM INTOCHED SOIL)

141-CITY OF SOUTH BEND CLTY OF BOUTH BEND Generator

Inbound Gress 62020 lb Operator Scale Timo 35440 lb Tarre collian Scale In 11/04/2010 15:47:07 25580 lb Met sallian Dut 11/04/2010 15:47:07 12,79

Container Division

Billing #

Gen EM ID

0000203

Checkit

Comments

Rate Tax , Asount Crigin LOM LD% Oty Product ST JOSETH-12.79 Tons 1 Cont Soil RCG-Tons 100

river's Elamature

phrox Total Tax Total Ticket

Tonc



Oriver's Signature Share

.:408WM

ENRIHMOVERS ROF : 26488 COUNTY RD 26; ELXHORT, IN, 46517 Ph: 574-875-5222 Original Ticket# 932501

Total Tax Total Ticket

Control Cont	Customer Name JOHN BOETTCHER SEWER J Ticket Date 11/05/2010 Payment Type Credit Account Manual Ticket# Hauling Ticket# Route State Waste Code Manifest 503041in Destination	TOHN BOE		ctysthbend CIT 716 9000203		e 20.0
Time Scale Property Incomed Gress 65720 15 In 11/05/2010 07:14:56 Scale Late Tare 30860 16 Out 11/05/2010 07:14:56 Feb. Net 34860 16 Comments Product LD% Oty JOM Rate Tax Oscunt Origin				The second of th	-	
In 11/05/2010 07:14:56 Scale Tare 30860 1b Net 34860 1b Tons 17.42 Comments Comments LDX Cty LOM Rate Tax Ascent Origin Comments Co	Generator 141-CITY OF SOUTH BENE	CIT C	F Liber h Ber	ID .		
Product LD% Cty LOM Rate Tax Assumt Origin	In 11/05/2010 07:14:56 Scald Out 11/05/2010 07:14:56		•		Tare Net	30860 15 34860 15
4 Court Post BOD Tong 100 47 47 7 Tong	Connents	ļ ·				
4 Court Post BOD Tong 100 47 47 7 Tong		i. i.			:	
1 Cont Soil RCG-Tons 100 17.43 Tons ST JOSEPH-	Product LD% Cty	HOL	Rate	Tax	figuint.	Origin
	1 Cent Soil RCG-Tens 100 17.	43 Ton	s ,	ra6	Ealk	ST JOSENH-



ENATHMOVERS ROF 26499 COUNTY RD 26 ELKHORT, IN. 45517 Phr 574-975-5232

Original Ticket# 932502

Customer Name	JOHN BOETTCHER	SEMEN JOHN	BOE Carrier	etysthbend	CITY (F SOUTH BEND	j
Ticket Date	11/05/2010	•	Vehicle#	718		Volume 20.	Ø

Nayment Type Credit Account

Manual Ticket# Hauling Ticket# Route

State Nacte Code

Manifest E03041in

Destination

no.

Profile Benerator 603041IN (PETROLEME IM

141-CITY OF SOUTHER

LD4

Time 11/05/2010 07:17:30 Out 11/05/2019 07:17:30

Billing # 0000203

Container :

Son EPA ID

Briver

Check#

62600 1b 28960 15 33640 15

16.92

Net Tanc

Grazz

Tana

Consents

Product

1 - Cont Boil RCG-Tons 190

Rate

Tax

Amount

Origin

SI JOSEPH-

15.82 Tons

Total Tax Total Ticket

Driver's Signature



ENRITHMOVERS ROF 25488 COUNTY RD 25 ELYHART, IM. 46517 Th: 574-875-5232

Original Ticket# 932511

. 29060 lb

19.03

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier etysthbend Ci Ticket Date 11/05/2010 Vehicle# 757	TY OF SOUTH BEND Volume 30.0
Payment Type Gredit Account Container	
Manual Ticket# Driver	:
Hauling Tickett Checkt	
Route Billing # 0000203	
State Waste Code Sen EMN ID	·
Manifest 5030/lin	
Destination	•
PO .	
Orofile 502041IN (DETROUGHM 1MONTES SOLECTION 1	•
Seperator 141-CITY OF SOUTH SEAD STATE SOUTH SEAD	
disc Scale Spector Inbounc	Gross 74500 15
E 7017/05/2010 07:53:34 Scale 13830	Tanc 36440 16
11/05/2010 07:53:34	· · · · · · · · · · · · · · · · · · ·
च्याप्रस्य स्थानाः कार्यस्य	Met 30060 lb

Comments

Prod			LD%	Oty	UOM .	Aate	Tax .	Amount	Origin
1		RCG-Tons		19.03	Tens			easterns yets this rain said 'gov off 2485 died.	-HABBOL TB

Tons

Total Tax Total Ticket



ENRIHMONERS ROF 26488 COUNTY PO 26 ELKHORT, IN, 16517 Th: 574-875-5832

Original Ticket# 932527

		· · • · · · · · · · · · · · · · · · · ·		,, 71
	Vehicle# 7	715	Paluse 2	0.0
unt	Container	•		
	Driver	,	,	
	Checkf	•		
· ·	Billing #	9099293		
•	Gen EM ID	•		
	•	•		
ETRONEGO INDUSTED	SOUTH	to compressible to		
COUTH PEND CLEVE	F DINEY BEND)¥		
Scale	Description .	Inbound	Gross ·	53700 lb
Scale		*	Tame	30860 150
				22920 15
er gen ar en en en en er gen ar en en en en en	7 78 11 02 74	ادر المحادث المستخدم والمعارف معهد المستخدم المستخدم المستخدم المستخدم المستخدم المستخدم المستخدم المستخدم الم المستخدم المستخدم الم		11.46
79.33	a and the state of the	entropy of the second		* 5 8 1 12/
	Scale Scale	erroceum imposta Solut Scale Scale Scale Istop	Driver Check# Billing # 9090203 Gen EPO ID ETROCECH IMPRICA SOLD SOUTH SEAM OF TWO PENDS Scale Joseph PENDS Scale Joseph PENDS	Container Driver Checkt Billing # 0000203 Gen EFF ID ETROLELE IMPRISE SOLD SOUTH SEAR OF PROPERTY INDONE Seale Seale Isop Not

Customer Name JOHN BOETTCHER SEWER JOHN BOE Carrier etysthbond CITY OF SOUTH BEND

Product			LDX	Oty :	UOM	 Rate	Tax	Nacunt	Origin
عوت حارب لمدن پسته	E word provided a print, and here's seek, but a	ما خيجة مخالة لحب عبيه ليهه حجية منبط لمان يبدئ فرحه	ئىد -10 ئەت بىيد دىيە دېلۇپلىي بە			 والمساحات عديد والمساحدة والمساحدة	مالة شهرة منحة فيحم ومناه منها ما الله أموان ويون ويدان ويها	ب در بها شان جال سان کام دی دی شور شاه بیت	ميهم وارجع ومنسد مفيان فنزيه مغيله جدات إليت سنف تجهد أنجم والماحوات و
1	Cont Scil	RCG-Tons	100	11,45	Tons		•		ST JOSEPH-

Total Tax . Total Ticket

Iniver's Bignature 5 home



ENATHMOVERS ROF 25/88 COUNTY RD 36 ELKHART, IN. 46517 Ph: 574-975-5232

Original Ticket# 932528

Valuac 20.0

Customer Make JOHN BOSTTCHER SEVER JOHN BOS Carrier etysthemid CITY OF SOUTH BEND

Ticket Date 11/05/2010

Payment Type Credit Mecount

Manual Tickett

Hauling Tickett

Route

State Waste Code

Manifest

603041in

Destination

DO.

Profile

E03041IN (PETROLECTE INDICATED SOLE

Generator

141-CITY OF SOUTH TEND

Time

LD%

In 11/05/2010 09:34:45 Out 11/05/2010 08:34:45 8ca1 🐔

Gross

50060 15

tare Net Tons

26960 15 21100 15

10, 55

Comments

Product

Cty

Bate

PARTY REPARTY OF

Tax

Decunt

Origin

Cont Soil RCG-Tons 100

10.55

Vehicles 718

Container

Dilling #

Sen EM ID

Driver

Checkt

ST JOSEPH-

miver's Eignature

403WM

Total Tax Total Ticket



ENATHMOVERS RDF 26488 COUNTY RD 26 ELKHORT, IN, 16517 Ph: 574-875-5232

Original Ticket# 932561

Customer Mase JOHN BOETTCHER SEVER JOHN BOE Carrier ctysthbend CITY OF SOUTH BEND Vehicle# 757 Volume 30.0

Ticket Date 11/05/2010

Payment Type Credit Account

Manual Tickett Mouling Ticketh

Route

Etate Waste Code

£03041in Manifest

Destination

DD.

Profile

E02041IN (PETROLEUE INTEGRE SOME)

Generator

141-CITY OF SOUTH DEND

Gross 54740 15 Time Tarc 36440 15 Scale 11/05/2010 10:23:39

Container Driver

Billing #

Ben EPA ID

Checkf

M1/05/2010 10:23:39

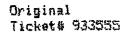
Met 18306 15 Tons 9, 15

0000202

UOM Rate Tax Qt y Casunt Origin Product 9.15 Tons Sont Soil RCG-Tons 100 .ST JOSEPH-

> Total Tax Total Ticket

hiver's Signature





EARTHMOVERS REF 25408 COUNTY RD 25 ELKHMET, 14, 46517 Ph: 574-875-5232

Customer Name JOHN BOETTCHER SEVER JOHN ME Carrier ctystabend CITY OF SOUTH BEND Volume 20.0 Vehicles 718 Ticket Date 11/15/2010 Payment Type Credit Account Container Oriver Manual Ticket# Checke Hauling Ticket# Billing # Route Gen efa Id State Waste Code 603041in Manifest Destination

ΡĐ

Profile Generator

603041IN (RE) 141-CITY OF

[1页色 11/15/2010 09:07:37 In Out 11/15/2010 09:07:37 THE PARTY OF A SEASON

60520 Inbound Gross 19682 Tare 31560 Het Tons

11

Comments

					•				
	1 . 1.		LD%	O Ły	FIOH	Rate	Tax.	Amount	Origin
Prod	uet .		to de (*	ASS. A	MCMrc. a			والمالة المناول والتأول بمعمد المانيات أيمان المانية والمانية والمانية والمانية والمانية والمانية والمانية والم	SHEE BARY SCHOOL STORE SHEET STORE S
	and the same terms and the same terms		تحبرات سيومه وبيذي	اله عمل الألها جمع فيها بيون كنيبة سيَّة بيون ودور)		Contractor September Statement September 1 and 1	2022-2-1		
				a care delicate	water "				ST JOSE
	Cont Soil	DITE TORIC	100	1 5. 78	Tons				31 (12.24L)
1	COUR DOIL	Little I child	****						

Total Tax Total Ticket

Driver's Signature

EARTHNEVERS REF 25 OR YTMLOD 88435 ELKHART, 18, 46517 Ph: 574-879-5232

Original Ticket# 933579

Customer Name JOHN BUETTCHER SENER JOHN BUE Carrier ctysthbend CITY OF SOUTH BEND Volume 20.0 Vehicle# 718 11/15/2010 Ticket Date Payment Type Credit Account Container Driver Manual Ticket# Check# Hauling Ticket# William # 0000203 Route Gen EPA ID State Waste Code 603041in Manifest Destination

ΡŊ

Benerator

Profile

603041IA (86

141-CITY O

T1 ac 11/15/2010 10:30:47 In Out 11/15/2010 10:30:47

66280 Gross Inbound Tare. Vet

28960 37320 18 Tons

Consents

Origin LD%-Rate Tax Amount R.v Product ST JOSEF Cont Soil RCG-Tons 100 18.66 Tons

Total Tax Total Ticket

Driver's Signature



EARTHMOVERS RDF 26488 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 Driver

Manual Ticket# Hauling Ticket#

Check#

Route

0000203 Billina #

State Waste Code

Gen EPA ID

Manifest

603041in

Destination

PO.

603041IN (PETROLEUM IMPACTED SOIL)

Profile Generator

141-CITY OF SOUTH BEND CITY OF SOUTH BEND

Time

Scale Scale

LD%

Operator

Gross

50620 lt

In 12/02/2010 13:45:12

lstop

Tare Net

Inbound

28960 lt 21660 11

Out 12/02/2010 13:45:12

Istop

Tons

10. 8.

Connents

Product

utv .

UUM

Rate

Tax

Hagunt

Origin

Cont Suil RCG-Tons 100

10.83 Tons

ST JÖSEPH-

Total Tax Total Ticket

Driver's Signature