

FINAL C-BANK TRANSFORMER AREA SOIL INVESTIGATION AND REMEDIATION REPORT

SAIC Project 01-1633-00-1769-500

Prepared for:

Harley-Davidson Motor Company Operations, Inc. York, PA

January 2004



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Prepared by:

Science Applications International Corporation 6310 Allentown Boulevard Harrisburg, PA 17112 (717) 901-8100

January 2004

Reviewed by:

Respectfully submitted,

Stephen M. Snyder, P.G. Project Director Roger Myers Project Manager

Science Applications International Corporation

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LIST OF ACRONYMS

ALSI	-	Analytical Laboratory Services, Inc.
AMF	-	American Machine and Foundry, Incorporated
DEP	-	Pennsylvania Department of Environmental Protection
EPA	-	United States Environmental Protection Agency
Harley-Davidson	-	Harley-Davidson Motor Company Operations, Inc.
Langan	-	Langan Engineering and Environmental Services, Inc.
mg/kg	-	milligrams per kilogram
MSCs	-	medium-specific concentrations
µg/kg	-	microgram per kilogram
PCBs	-	polychlorinated biphenyls
RBCs	-	risk-based concentrations
RI/FS	-	remedial investigation/feasibility study
SWMU	-	Solid Waste Management Unit
SAIC	-	Science Applications International Corporation
TSCA	-	Toxic Substance Control Act
YNOP	-	York Naval Ordnance Plant

1.0 BACKGROUND/INTRODUCTION

In accordance with Harley-Davidson Motor Company Operations, Incorporated's (Harley-Davidson) request, Science Applications International Corporation (SAIC) has performed soil investigation and remediation activities in the C-Bank transformer area of the York facility. The Harley-Davidson facility (site) is located near the intersection of U.S. Route 30 and Eden Road in Springettsbury Township, York, Pennsylvania. The location of the C-Bank electrical transformer investigation area at the Harley-Davidson facility is shown on Figure 1 and is located between Building 2 and Building 91.

The York facility was constructed in 1941 by the York Safe and Lock Company, a United States Navy contractor, for the manufacture, assembly and testing of 40 mm twin and quadruple gun mounts, complete with guns. In 1944, the Navy took possession of the York facility. The Navy owned and operated the facility as the York Naval Ordnance Plant (YNOP) until 1964, switching operations after WWII to overhaul for war-service weapons, making rocket launchers, and manufacturing of 3-inch/50 caliber guns, 20 mm aircraft guns and power drive units for 5-inch/54 caliber guns. In 1964, the Navy sold the York facility to American Machine and Foundry Company, Incorporated (AMF), who continued similar manufacturing. In 1969, AMF merged with Harley-Davidson. In 1973, Harley-Davidson moved its motorcycle assembly operations to the York facility. In 1981, AMF sold the York facility to Harley-Davidson. Harley-Davidson has continued motorcycle assembly operations at the York facility since 1981.

A history of the C-Bank transformer area was obtained through interviews with Harley-Davidson employees who worked in the area. The C-Bank Transformer consisted of two 500-KVA transformers located on a concrete pad within a locked courtyard area with no roof.

The C-Bank area is identified as one of the electrical transformer areas of concern at the plant. During the 1999 Site-Wide Remedial Investigation (Draft Site-Wide Remedial Investigation, Langan, May 2001), testing for polychlorinated biphenyls (PCBs) was conducted at the gravel-covered soils within the C-Bank transformer area. This area was called electrical transformer area 2 (ETA-2) during the 1999 investigation. Eight surface soil samples

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(0 to 0.5 feet) were collected adjacent to the pad during that investigation. These soil sample results are shown on Table 1. The results indicated that PCB concentrations in the soils were within Pennsylvania Department of Environmental Protection (DEP) Act 2 Medium-Specific Concentrations (MSC) and Toxic Substance Control Act (TSCA) limits, but several samples exceeded the United States Environmental Protection Agency (EPA) Risk-Based Concentrations (RBCs) of 1.4 milligrams per kilogram (mg/kg) for Arochlor 1260. The highest PCB result from Table 1 was 11.7 mg/kg for Arochlor 1260.

In November 2003, Harley-Davidson made plans to upgrade this electrical transformer area by installing underground vaults, new transformers, and new cables. A sketch of the planned construction for C-Bank is included as Figure 2. Prior to the planned renovations to this area, Science Applications International Corporation (SAIC) conducted additional characterization at specified areas within the transformer C-Bank area, as discussed in Chapter 2.0, in order to meet the EPA RBCs in the soil.

2.0 SOIL INVESTIGATION ACTIVITIES

Phase I:

Soils removed for the vault installation at C-Bank from October 23, 2003, through October 28, 2003, were placed into four roll-off containers for characterization and non-hazardous offsite disposal (at Modern Landfill). The limits of the soil excavation during this period are shown in red on Figure 3. Eight confirmatory soil samples (Pit A, B, C, E, F, and Surface A, B, and C), as shown in Figure 3, were collected from the bottom of each vault and cable trench excavation, and from three surface locations around the excavation. These Phase I confirmatory soil sample results are shown on Table 2. The pit samples were below the EPA RBCs for PCBs, while two of the surface soil samples (Surface B and Surface C) exceeded the criteria.

Phase II:

In order to determine how deep to remove additional soil, SAIC collected additional subsurface soil samples (Phase II) on November 12, 2003, from depths of 1-, 2-, and 3-feet below grade at Surface B and Surface C locations. The hand auger could not get through the location at Surface C; therefore, SAIC collected this subsurface soil sample further to the east, at a location called "South Wall". These sample locations are shown on Figure 2, while the Phase II subsurface soil sample results are shown on Table 3. All three subsurface soil samples at Surface B and the 1-foot sample at South Wall were above EPA RBC limits. It was determined that 5 feet of soil along the west side of the excavation and 1 foot of soil along the south wall would be removed, as shown in green on Figure 2. The soil from the green area was placed in two separate roll-off containers for disposal as a TSCA waste (to Chemical Waste Managements' [CWM] Model City Landfill) due to the level of PCBs in these samples exceeding the 50 mg/kg TSCA limit.

Phase III:

Following the removal of soil in the green area, confirmatory soil samples were collected from the bottom of these excavations. The four soil samples collected were SE-1, SW-1, SW-5, and NW-5, as shown on Figure 3. Results of these soil samples are shown on Table 4. Since the sample at SW-1 was still above the TSCA level (50 mg/kg PCBs), additional soil was excavated

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to a depth of 5 feet from the southwest corner of C-Bank, as shown in purple on Figure 3 (Phase III soil removal). This additional soil was also loaded into the two roll-off containers for disposal as a TSCA waste (CWM Model City Landfill). The result of the last confirmatory soil sample from the bottom of the Phase III excavation (SW-5B) is shown on Table 4. Analytical reports for these samples are included in Appendix A.

3.0 SOIL REMEDIATION ACTIVITIES

Excavated soils from Phase I were loaded into four roll-off containers for non-hazardous, offsite disposal at Modern Landfill in York, Pennsylvania. Copies of the waste manifests for these four loads are shown in Appendix B. According to those manifest records, a total 70.88 tons of soil were sent for disposal to Modern Landfill. Prior to disposal, composite soil samples were collected for PCBs from each of these four roll-off containers, in order to verify their disposal as non-hazardous wastes. The results of these composite samples for PCBs are shown in Table 5. In addition, SAIC also collected one composite soil sample (plus one grab sample for volatile organic compounds (VOC) analysis) from all four of these roll-off containers in order to meet the non-hazardous disposal requirements of Modern Landfill. The results of this testing is shown on Table 6. All four of the initial roll-off containers were approved for non-hazardous disposal at Modern Landfill.

Soils excavated as part of Phase II and Phase III activities at C-Bank were placed into two separate roll-off containers for hazardous waste disposal at CWM Model City Landfill in New York (CWM Model City). These soils were characterized as hazardous since PCB results for these soils exceeded the TSCA limit of 50 mg/kg. Manifests for the disposal of these two roll-off containers at CWM Model City are included in Appendix B. According to those manifest records, a total of 34.79 tons of soil were disposed at CWM Model City from C-Bank. No additional testing was performed on the two roll-off containers of soil sent to CWM Model City, since that facility can accept TSCA PCB waste with unlimited amounts of PCBs.

4.0 SUMMARY AND CONCLUSIONS

Surface soil samples collected during the 1999 RI investigations indicated that soils within the C-Bank transformer area were above the EPA RBC for PCB Arochlor 1260 (of 1.4 mg/kg). For this reason, soil characterization and confirmatory sampling was conducted during the recent transformer vault construction project within C-Bank. Soils excavated from the vault pits contained low levels of PCBs and were placed into four roll-off containers for non-hazardous offsite disposal (at Modern Landfill). While confirmatory soil samples from the bottom of the pits were below DEP and EPA regulatory limits for PCBs, samples from soils adjacent to the pits were found to contain high levels of PCBs (above the TSCA regulatory limit of 50 mg/kg).

Soils exceeding the TSCA limit along the south and west walls of the C-Bank, to a depth of 5 feet deep, were excavated and placed into two roll-off containers for hazardous offsite disposal (at CWM Model City Landfill). Confirmatory soil samples collected from the bottom of these excavations are within the DEP and EPA regulatory limits.

Approximately 106 tons (70 cubic yards) of PCB-impacted soils have been removed from the C-Bank transformer area and disposed offsite at approved facilities. Remaining surface and subsurface soils within the C-Bank area have been shown to be below TSCA regulatory levels, DEP Act 2 MSCs, DEP Clean Fill guidance, and EPA RBC levels.

5.0 REFERENCES

 Langan Engineering and Environmental Services, Inc.; "Interim Site-Wide Remedial Investigation Report Harley-Davidson Motor Company, York Pennsylvania Facility", July 2002.

FIGURES

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TABLES

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Table 1 - Summary of Historic PCB Soil Sampling Results C-Bank Electrical Transformer Area Harley-Davidson Motor Company Operations, Inc. - York, PA

										PADEP ACT 2	EPA RISK-BASED	TSCA
	Location/ID Depth (ft.) Sample Date	ETA2-B1 0-0.5 6/10/1998	ETA2-B2 0-0.5 6/10/1998	ETA2-B3 0-0.5 6/10/1998	ETA2-C1 0-0.5 6/10/1998	ETA2-C2 0-0.5 6/10/1998	ETA2-C3 0-0.5 6/10/1998	ETA2-C4 0-0.5 6/10/1998	ETA2-C5 0-0.5 6/10/1998	Direct Contact, Surface Soil non-residential	CONCENTRATIONS Industrial Soil	Regulatory Level
Parameter/Units										(0 - 2 Feet)	[Ingestion]	
Detected PCBs (mg	g/kg)											
Arochlor-1016		ND	200	41	50							
Arochlor-1221		ND	160	1.4	50							
Arochlor-1232		ND	160	1.4	50							
Arochlor-1242		ND	160	1.4	50							
Arochlor-1248		ND	44	1.4	50							
Arochlor-1254		ND	44	1.4	50							
Arochlor-1260		3.86	3.38	11.7	0.446	0.348	0.0599	0.0234 J	0.117	130	1.4	50

ND = Not detected NA = Not Analyzed J = Estimated quantity, below reporting limits

Table 2 - Summary of Phase I PCB Soil Sampling Results C-Bank Electrical Transformer Area Harley-Davidson Motor Company Operations, Inc. - York, PA

										PADEP ACT 2	EPA RISK-BASED	TSCA
	Location/ID Depth (ft.) Sample Date	Pit A 4.0 10/24/2003	Pit B 5.0 10/24/2003	Pit C 4.0 10/31/2003	Pit E 5.0 10/24/2003	Pit F 4.0 10/24/2003	Surface A 0-0.5 10/31/2003	Surface B 0-0.5 10/31/2003	Surface C 0-0.5 10/31/2003	Direct Contact, Surface Soil non-residential	CONCENTRATIONS Industrial Soil	Regulatory Level
Parameter/Units										(0 - 2 Feet)	[Ingestion]	
Detected PCBs (m	g/kg)											
Arochlor-1016		ND	ND	ND	ND	ND	ND	ND	ND	200	41	50
Arochlor-1221		ND	ND	ND	ND	ND	ND	ND	ND	160	1.4	50
Arochlor-1232		ND	ND	ND	ND	ND	ND	ND	ND	160	1.4	50
Arochlor-1242		ND	ND	1.96	ND	ND	ND	ND	ND	160	1.4	50
Arochlor-1248		ND	ND	ND	ND	ND	ND	ND	ND	44	1.4	50
Arochlor-1254		ND	ND	ND	ND	ND	ND	ND	ND	44	1.4	50
Arochlor-1260		0.025 J	0.093	5.77	0.017 J	0.723	12.0	19.4	145	130	1.4	50

ND = Not detected NA = Not Analyzed J = Estimated value below reporting limit

Table 3 - Summary of Phase II PCB Soil Sampling Results C-Bank Electrical Transformer Area Harley-Davidson Motor Company Operations, Inc. - York, PA

								PADEP ACT 2	EPA RISK-BASED	TSCA
	Location/ID Depth (ft.) Sample Date	Surface B-1 1.0 11/12/2003	Surface B-2 2.0 11/12/2003	Surface B-3 3.0 11/12/2003	Southwall 1-1 1.0 11/12/2003	Southwall 1-2 2.0 11/12/2003	Southwall 1-3 3.0 11/12/2003	Direct Contact, Surface Soil non-residential	CONCENTRATIONS Industrial Soil	Regulatory Level
Parameter/Units								(0 - 2 Feet)	[Ingestion]	
Detected PCBs (mg	/kg)									
Arochlor-1016		ND	ND	ND	ND	ND	ND	200	41	50
Arochlor-1221		ND	ND	ND	ND	ND	ND	160	1.4	50
Arochlor-1232		ND	ND	ND	ND	ND	ND	160	1.4	50
Arochlor-1242		ND	ND	ND	ND	ND	ND	160	1.4	50
Arochlor-1248		ND	ND	ND	ND	ND	ND	44	1.4	50
Arochlor-1254		ND	ND	ND	ND	ND	ND	44	1.4	50
Arochlor-1260		1150	45.9	16.4	4.17	0.265	0.103	130	1.4	50

ND = Not detected

NA = Not Analyzed J = Estimated value below reporting limit

Table 4 - Summary of Phase III PCB Soil Sampling ResultsC-Bank Electrical Transformer AreaHarley-Davidson Motor Company Operations, Inc. - York, PA

							PADEP ACT 2	EPA RISK-BASED	TSCA
	Location/ID Depth (ft.) Sample Date	SE-1 1.0 11/14/2003	NW-5 5.0 11/14/2003	SW-5 5.0 11/14/2003	SW-1 1.0 11/14/2003	SW-5B 4.0 11/17/2003	Direct Contact, Surface Soil non-residential	CONCENTRATIONS Industrial Soil	Regulatory Level
Parameter/Units	•						(0 - 2 Feet)	[Ingestion]	
Detected PCBs (m	g/kg)								
Arochlor-1016		ND	ND	ND	ND	ND	200	41	50
Arochlor-1221		ND	ND	ND	ND	ND	160	1.4	50
Arochlor-1232		ND	ND	ND	ND	ND	160	1.4	50
Arochlor-1242		ND	ND	ND	ND	ND	160	1.4	50
Arochlor-1248		ND	ND	ND	ND	ND	44	1.4	50
Arochlor-1254		ND	ND	ND	ND	ND	44	1.4	50
Arochlor-1260		0.142	ND	ND	614	ND	130	1.4	50

ND = Not detected

NA = Not Analyzed

Table 5 - Summary of PCB Waste Soil Characterization Results C-Bank Electrical Transformer Area Harley-Davidson Motor Company Operations, Inc. - York, PA

_						PADEP ACT 2	EPA RISK-BASED	TSCA
	Location/ID	Roll Off #1	Roll Off #2	Roll Off #3	Roll Off #4	Direct Contact,	CONCENTRATIONS	Regulatory
	Sample Type	composite/waste	composite/waste	composite/waste	composite/waste	Surface Soil	Industrial Soil	Level
	Sample Date	10/23/2003	10/23/2003	10/24/2003	10/28/2003	non-residential		
	Laboratory ID	248656-001	248656-002	243786-005	248946-001			
Parameter/Units						(0 - 2 Feet)	[Ingestion]	
PCBs / mg/kg								
PCB-1016		ND	ND	ND	ND	200	41	50
PCB-1221		ND	ND	ND	ND	160	1.4	50
PCB-1232		ND	ND	ND	ND	160	1.4	50
PCB-1242		ND	ND	ND	ND	160	1.4	50
PCB-1248		ND	ND	ND	ND	44	1.4	50
PCB-1254		ND	ND	ND	ND	44	1.4	50
PCB-1260		0.376	0.319	0.177	3.13	130	1.4	50

ND = Not detected

NA = Not Analyzed

Table 6 - Summary of Composite Waste Soil Sampling Results C-Bank Transformer Area Harley-Davidson Motor Company Operations, Inc. - York, PA

		PADEP ACT 2 NO	-RESIDENTIAL ME	DIUM-SPECIFIC C	ONCENTRATIONS	EPA RISK-BASED	EPA RISK-BASED
Location/ID	Roll Off Composite	Direct Contact,	Direct Contact,	SOIL to GW - U	JSED AQUIFER	CONCENTRATIONS	CONCENTRATIONS
Туре	composite	Surface Soil	Subsurface Soil	100 x GW MSC	Generic	Industrial Soil	Residential Soil
Sample Date	10/31/2003						
Laboratory ID	249317-001						
Parameter/Units		(0 - 2 Feet)	(2 - 15 Feet)			[Ingestion]	[Ingestion]
Metals/Inorganics (mg/kg)							
Antimony	1 J	1,100	190,000	0.6	27	410	31
Arsenic	6	53	190,000	5	150	1.9	0.43
Beryllium	0.9 J	5,600	190,000	0.4	320	2,000	160
Cadmium	< 0.6	210	190,000	0.5	38	510/1,000	39/78
Chromium, total	19	190,000	190,000	10	190,000	1,500,000	120,000
Copper	13	100,000	190,000	100	36,000	41,000	3,100
Lead	644	1,000	190,000	0.5	450	-	-
Mercury	0.04 J	840	190,000	0.2	10		
Nickel	13	56,000	190,000	10	650	20,000	1,600
Selenium	< 2	14,000	190,000	5	26	5,100	390
Silver	0.3 J	14,000	190,000	10	84	5,100	390
Thallium	< 4	200	190,000	0.2	14	72	5.5
Zinc	93	190,000	190,000	200	12,000	310,000	23,000
Detected Organics (mg/kg) (vola	tiles taken from grab	sample #249317-00	02]				
Acenaphthene	0.011	170,000	190,000	380	4,700	61,000	4,700
Anthracene	0.021 J	190,000	190,000	6.6	350	310,000	23,000
Benzene	0.00018 J	210	240	0.5	0.13	52	12
Benzo (a) anthracene	0.085	110	190,000	0.36	320	100,000	7,800
Benzo (a) pyrene	0.114	11	190,000	0.02	46	52	12
Benzo (b) fluoranthene	0.129	110	190,000	0.12	170	613,200	47,000
Benzo (g, h, i) perylene	0.069 J	170,000	190,000	0.026	180	NR	NR
2-Butanone (MEK)	0.0042 J	10,000	10,000	580	110	613,200	47,000
Chlorobenzene	0.00091 J	10,000	10,000	10	6.1	20,000	1,600
Chyrsene	0.093	11,000	190,000	0.19	230	390	87
Dibenzo (a,h) anthracene	0.019 J	11	190,000	0.036	160	0.390	0.087
1,3-Dichlorobenzene	0.099 J	10,000	10,000	60	61	31,000	2,300
1,4-Dichlorobenzene	0.063 J	1,000	3,300	7.5	10	120	27
Ethylbenzene	0.00053 J	10,000	10,000	70	46	100,000	7,800
Fluoranthene	0.167	110,000	190,000	26	3,200	41,000	3,100
Indeno (1,2,3-cd) pyrene	0.063 J	110	190,000	0.36	28,000	3.90	0.87
Toluene	0.00033 J	10,000	10,000	100	44	204,400	16,000
Trichloroethene (TCE)	0.0015 J	970	1,100	0.5	0.17	7.2	1.6
		EPA Toxicity					
		Characteristic					
		Limits 40 CFR					
TCLP Metals (mg/L)		261.24					
Arsenic	0.008 J	5.0					
Barium	0.697	100.0					
Cadmium	0.001 J	1.0					
Chromium	0.002 J	5.0					

Lead

Silver

Mercury Selenium

< - not detected at the detection limit shown All samples analyzed at Analytical Laboratory Services, Inc.

0.027 J

< 0.006

< 0.22

< 0.11

5.0

0.2

1.0

5.0

APPENDIX A

LABORATORY ANALYTICAL REPORTS

Science Applications International Corporation

· · · · · · · · · · · · · · · · · · ·	· · ·		· · ·				
ANALYTICAL LABORATORY SERVICES, IN	NC.		CHAIN	OF CUSTODY/		COC #:	
Environmental + Industrial Hygiene + Field Se	vices ALL SI	HADED ARE	REQUES ¹ EAS MUST BE COMPL	F FOR ANALYSI ETED BY THE CLIENT, INSTRUC	S TIONS ON THE BACK.	ALSI Quote	(#. 11. 9) 104 15 10 10.
34 Dogwood Lane • Middlelown, PA 1/05/ • 1/1/944.5541 • Fax: //, Client Name: < A / C	.944.1430 Container						RECEIVING INFORMATION
Address: 1916 Allower Block	Preservativ						(completed by the Receiving Lab)
there is buy.	+ Of Containers						SHIPPING CARRIERINO.
Contact: Noge Mye. 5			A	AL YSES/METHOD REQUE	STED		PROJECT INFORMATION
Phone #: 761. 683 '							DATA DELIVERABLES: Standard-
Bill to:	413 X						CLP-like- USACE- Other-
TAT: Normal- USiandard TAT is 10-12 calendar days.		29	-				EDDS: Format Type-
Rush TAT subject to ALSI approval and surcharges	Sue hate	903					PWSID NO.(7-digit no.):
bale required.							
Fax Results? Y- No.:	or C	<u>a</u> -	\				USACE- Navy- Other-
SAMPLE DESCRIPTION/LOCATION Sample	/W Đ₊ 	d.	-				SAMPLE DISPOSAL: SPECIAL-
1 C.Bnah Pit A licky	12:10 G S	7					Sample Comments
2 C. Bink P.1 B	10:42 C 25						
3 C - Bail Pit E	14:15 6 20						
4 C. B. A P. F	14:20 6 50		•				
5 PollAG # 3 (6074403) 10/64	13:12 C 20	7					Vich Vichay 117
9					· · · · ·		
2	1						
œ							
6							
10			- - -				
Print Name and Company		(Signature	Date/Time	PROJECT COMM	ENTS:	
Sampled by: Kiger Sampled	Shic	X CC	1. 2 1 1. J.	10-24-12 16:22			
Received for ALSI Cusfody by:		A_L		1.1. 140 1422	.		
Relinquished by:					1		10/21/20 (20-
Received by:							-
Relinquished by:					ALSI FIELD SERVICE	s: Pickup- Cc	mposite Sampling-
Received by:					Rental Equipment-	Olher-	
Conies: V	"Matrix - S=Si WHITE - ORIGINAL	olid; WW=W	astewater; D=Drinking CANARY - CUSTO	Water; WT=Water, A=Air; GW=Gro MER_MAILING PiNK	undwater, LW=Liquid Was - FILE GOLDE	le; O≂Oil; WP=Wipe; NROD - CUSTOME	P=Paint R COPY
							Rev 12/02





Certificate of Analysis

October 31, 2003

Mr. Roger Myers SAIC 6310 Allentown Blvd. Harrisburg, PA 17112 Lab ID #: 248786001 Received: 10/24/03 16:22 Discard: 11/14/03

Page: 1 Of 1

PO#:

Project Name: HARLEY DAVIDSON C-BANK

ANALYTICAL

LABORATORY

Sample ID: C-Blank Pit A	Matrix:	Solid	
Date Collected: 10/24/03 12:10	Collected by:	Mr. Roger Myer	s

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	Ву
WET CHEMISTRY							
Moisture	17.8	8	0.1	SM18-2540 G	10/27/03 09:45		JTR
Total Solids	82.2	8	0.1	SM18-2540 G	10/27/03 09:45		JTR
PCB'S							
Aroclor-1016	ND	mg/kg	0.040	SW846 8082	10/31/03 02:09	10/28/03	CGS
Aroclor-1221	ND	mg/kg	0.040	SW846 8082	10/31/03 02:09	10/28/03	CĠS
Aroclor-1232	ND	mg/kg	0.040	SW846 8082	10/31/03 02:09	10/28/03	CGS
Aroclor-1242	ND	mg/kg	0.040	SW846 8082	10/31/03 02:09	10/28/03	CGS
Aroclor-1248	ND	mg/kg	0.040	SW846 8082	10/31/03 02:09	10/28/03	CGS
Aroclor-1254	ND	mg/kg	0.040	SW846 8082	10/31/03 02:09	10/28/03	CGS
Aroclor-1260	0.025J	mg/kg	0.040	SW846 8082	10/31/03 02:09	10/28/03	ÇGS
Surrogates	Result	Units	Recover	y Limits			
Decachlorobiphenyl	.077	mg/kg	92.0%	(30 - 150)			
Tetrachloro-m-xylene	.075	mg/kg	89.8%	(30 - 131)			

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.



Certificate of Analysis

October 31, 2003

Mr. Roger Myers SAIC 6310 Allentown Blvd. Harrisburg, PA 17112 Lab ID #: 248786002 Received: 10/24/03 16:22 Discard: 11/14/03

Page: 1 Of 1

PO#:

ACCOR

Project Name: HARLEY DAVIDSON C-BANK

Sample ID: C-Blank Pit BMatrix: SolidDate Collected: 10/24/03 10:45Collected by: Mr. Roger Myers

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	Ву
WET CHEMISTRY							
Moisture	19.2	8	0.1	SM18-2540 G	10/27/03 09:45		JTR
Total Solids	80.8	8	0.1	SM18-2540 G	10/27/03 09:45		JTR
PCB'S				а.			
Aroclor-1016	ND	mg/kg	0.040	SW846 8082	10/31/03 02:39	10/28/03	CGS
Aroclor-1221	ND	mg/kg	0.040	SW846 8082	10/31/03 02:39	10/28/03	CGS
Aroclor-1232	ND	mg/kg	0.040	SW846 8082	10/31/03 02:39	10/28/03	CGS
Aroclor-1242	ND	mg/kg	0.040	SW846 8082	10/31/03 02:39	10/28/03	CGS
Aroclor-1248	ND	mg/kg	0.040	SW846 8082	10/31/03 02:39	10/28/03	CGS
Aroclor-1254	ND	mg/kg	0.040	SW846 8082	10/31/03 02:39	10/28/03	CGS
Aroclor-1260	0.093	mg/kg	0.040	SW846 8082	10/31/03 02:39	10/28/03	CGS
Surrogates	Result	Units	Recover	ry Limits			
Decachlorobiphenyl	.069	mg/kg	84.0%	(30 - 150)			
Tetrachloro-m-xylene	.068	mg/kg	82.9%	(30 - 131)			

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

NELAP Accredited PA 22-293 NJ PA010 NY 11759

www.analyticallab.com



Date By

JTR

JTR

ιĆ

34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

Certificate of Analysis

October 31, 2003

Mr. Roger Myers SAIC 6310 Allentown Blvd. Harrisburg, PA 17112 Lab ID #: 248786003 Received: 10/24/03 16:22 Discard: 11/14/03 Page: 1 Of 1

HARLEY DAVIDSON C-BANK Project Name:

ANALYTICAL

LABORATORY

Services, Inc.

PO#:

Sample ID: C-Blank Pi Date Collected: 10/24/03 D	l t E L4:15			Matr Collected	ix: Solid by: Mr. Roger	Myers
Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Da
WET CHEMISTRY	19 1	¥	0.1	SM18-2540 G	10/27/03 09:45	
Moisture	20.2	e.	0.1	SM18-2540 G	10/27/03 09:45	

				awa a at 40 C	10/07/03 09:45		JTR
Total Solids	80.9	ક	0.1	SM18-2540 G	10/2//03 05.43		
PCB'S					10/21/02 02:10	10/28/03	CGS
Aroclor-1016	ND	mg/kg	0.041	SW846 8082	10/31/03 03.10	10/20/00	000
Aroclor-1221	ND	mg/kg	0.041	SW846 8082	10/31/03 03:10	10/28/03	ÇGS
AIOCIOL 1992	ND	mg/kg	0.041	SW846 8082	10/31/03 03:10	10/28/03	CGS
Aroclor-1232		ma/ka	0.041	SW846 8082	10/31/03 03:10	10/28/03	CGS
Aroclor-1242	ND		0.041	- 	10/31/03 03:10	10/28/03	CGS
Aroclor-1248	ND	mg/kg	0.041	34040 8002	10/21/02 02:10	10/28/03	CGS
Aroclor-1254	ND	mg/kg	0.041	SW846 8082	10/31/03 03:10	10/20/03	
Aroclor-1260	0.017J	mg/kg	0.041	SW846 8082	10/31/03 03:10	10/28/03	(GS
Surrogates	Result	Units	Recover	ry Limits			
Decachlorobiphenvl	.072	mg/kg	86.8%	(30 - 150)		
Tetrachloro-m-xylene	.071	mg/kg	85.5%	(30 - 131)		

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Certificate of Analysis

October 31, 2003

Mr. Roger Myers SAIC 6310 Allentown Blvd. Harrisburg, PA 17112 Lab ID #: **248786004** Received: 10/24/03 16:22 Discard: 11/14/03

Page: 1 Of 1

PO#:

Project Name: HARLEY DAVIDSON C-BANK

ANALYTICAL

LABORATORY

Services, Inc.

Sample ID: C-Blank Pit FMatrix: SolidDate Collected: 10/24/03 14:20Collected by: Mr. Roger Myers

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	Ву
WET CHEMISTRY			-				
Moisture	17.7	¥	0.1	SM18-2540 G	10/27/03 09:45		JTR
Total Solids	82.3	*	0.1	SM18-2540 G	10/27/03 09:45		JTR
PCB'S					,		
Aroclor-1016	ND	mg/kg	0.040	SW846 8082	10/31/03 03:40	10/28/03	CGS
Aroclor-1221	ND	mg/kg	0.040	SW846 8082	10/31/03 03:40	10/28/03	CGS
Aroclor-1232	ND	mg/kg	0.040	SW846 8082	10/31/03 03:40	10/28/03	CGS
Aroclor-1242	ND	mg/kg	0.040	SW846 8082	10/31/03 03:40	10/28/03	CGS
Aroclor-1248	ND	mg/kg	0.040	SW846 8082	10/31/03 03:40	10/28/03	CGS
Aroclor-1254	ND	mg/kg	0.040	SW846 8082	10/31/03 03:40	10/28/03	CGS
Aroclor-1260	0.723	mg/kg	0.040	SW846 8082	10/31/03 03:40	10/28/03	CGS
Surrogates	Result	Units	Recover	ry Limits			
Decachlorobiphenyl	.071	mg/kg	85.7%	(30 - 150)			
Tetrachloro-m-xylene	.07	mg/kg	85.1%	(30 - 131)			

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Certificate of Analysis

October 31, 2003

Mr. Roger Myers SAIC 6310 Allentown Blvd. Harrisburg, PA 17112 Lab ID #: 248786005 Received: 10/24/03 16:22 Discard: 11/14/03

Page: 1 Of 1

PO#:

Collected by: Mr. Roger Myers

Matrix: Solid

Project Name: HARLEY DAVIDSON C-BANK

Sample ID: Roll Off #3 [6074403] Date Collected: 10/24/03 13:15

						-	
Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	Ву
WET CHEMISTRY							7000
Moisture	10.4	¥	0.1	SM18-2540 G	10/27/03 09:45		OIR
Total Solids 1	89.6	8	0.1	SM18-2540 G	10/27/03 09:45		JTR
	57						
PCB'S						10/00/02	000
Aroclor-1016	ND	mg/kg	0.036	SW846 8082	10/31/03 04:10	10/28/03	CGS
Nroclor-1221	ND	mg/kg	0.036	SW846 8082	10/31/03 04:10	10/28/03	CGS
	ND	ma/ka	0.036	SW846 8082	10/31/03 04:10	10/28/03	CGS
Aroclor-1232	1.0		0 036	SW846 8082	10/31/03 04:10	10/28/03	CGS
Aroclor-1242	<u>и</u> .	mg/kg	0.000		10/21/03 04.10	10/28/03	CGS
Aroclor-1248	ND	mg/kg	0.036	SW846 8082	10/31/03 04.20	10/20/02	000
Aroclor-1254	ND	mg/kg	0.036	SW846 8082	10/31/03 04:10	10/28/03	
Aroclor-1260	0.177	mg/kg	0.036	SW846 8082	10/31/03 04:10	10/28/03	CGS
Surrogates	Result	Units	Recove	ry Limits			
Decachlorobiphenyl	.071	mg∕kg	86.0%	(30 - 150)			
Tetrachloro-m-xylene	.07	mg/kg	85.78 A	(30 - 131)			

1-This sample was analyzed in duplicate with results of 89.6 % and 84.4 %. The relative percent difference between the results was above the established acceptance limit of 5 %. This report relates only to the sample as received by the laboratory, and may only be reproduced in full.







Certificate of Analysis

October 31, 2003

Mr. Roger Myers SAIC 6310 Allentown Blvd. Harrisburg, PA 17112

Project Name: HARLEY DAVIDSON C-BANK

PO#:

Lab ID#: 248786

This report relates only to the sample(s) as received by the laboratory. Laboratory reports may not be reproduced, except in full, without the written approval of the laboratory.

Qualifier Flags - These flags may follow individual results for a specific analyte

- U Indicates that the analyte was not detected
 J Indicates an estimated value between method detection limit and the practical quantitation limit for the analyte
- E Indicates an estimated value outside of the calibration range of the analysis
- B Indicates that the analyte was found in the method blank associated with the

sample

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A result of ND indicates that the analyte was Not Detected at the Reporting Detection Limit (RDL).

ALSI is a NELAC accredited laboratory. ALSI certifies that all applicable test results meet the requirements of NELAC. For an inventory of our NELAC accreditations and Scope of Work please visit our website at www.analyticallab.com or contact your Project Manager at (717)944-5541 for a complete listing.

If you have any questions in reference to this laboratory report, please contact your ALSI project coordinator or the laboratory manager listed at the bottom of this report at 717-944-5541.

Note: This document is included as part of the Analytical Report and must be retained as a permanent record thereof.

Raymond J. Martrano Laboratory Manager

REQUEST FOR ANALYSIS ALSO CONCENTER CONTROL MALENDALINE MALENDALINE MALENDALINE MA	ALI 34 Dogwood Lane • Middletown, PA 17057 • 717,944 5541 • Faird Services 34 Dogwood Lane • Middletown, PA 17057 • 717,944 5541 • Faird Services ALI 34 Dogwood Lane • Middletown, PA 17057 • 717,944 5541 • Faird Services ALI 34 Dogwood Lane • Middletown, PA 1701 • D ALI Address: 6 310 ALLE* hTOUM BL v D H A (24, 680 • K, PA 1711 • D Prosect Name/#:HARLeYOAMOSON Phone #: 70 - 901 • 8821 Phone #: 70 • 901 • 7	RADED AREAS WILL AND A CONTRACT OF A CONTRAC	QUEST FOR ANALYS ST BE COMPLETED BY THE CLIENT. INSTR ANALYSES/METHOD REQU	ALSI Quot Lations on the Back.	te #:
Close in some of ATR3: 1734511: In: In: In: In: In: In: In: In: In: In	34 Degwood Lane - Middletown, PA 17057 - 717, 944, 5541 • Fax: 717, 944, 1430 Client Name: SATC Address: 6310 ALLE-MJN BLVD HARRIGURG, PA 1711 2 Contact: Roc. RNYERS Phone #: 73 - 901 - 8831 Phone #: 75 - 901 - 88321 Phone #: 75 - 901 -	XIATAM** 6 2.8-2.8-2 2.8			RECEIVING INFORMATION (completed by the Receiving Lab) COOLER TEMP: SEAL INTACT? Y or N SHIPPING CARRERMO. PROJECT INFORMATION PROJECT INFORMATION DATA DELIVERABLES: Standard- CLP-tike- USACE- CLP-tike- DUSACE- CLP-tike- USACE- NJ- NC- NJ- NA- ND- NA- ND- NA- ND- NA- ND- NA- ND- NA- ND- NA- ND- NA- ND- NA- ND- NA- ND- NA- ND- NA- ND- NA- ND- NA- ND- NA- ND- NA- ND- ND- NA- ND- ND- ND- ND- ND- ND- ND- ND- ND- ND
Client BATC Time BATC <thtime batc<="" th=""> <thtime batc<="" th=""> <t< th=""><th>Client Name: SATC Address: 6310 ALLE NTOUM BLVD HARAKGURG, PA 17112 Contact: RovieR MYERS Phone #: 73 - 901 - 8821 Project Name/#:HARLEY0AM050N Bill to: TAT: Normal- Standard TAT is 10-12 calendar days. Rush TAT subject to ALSI approved and surcharges. Date Required: 5 DAY TAT Approved by: Sur CAFA E-mail? Y.</th><th>хіятам⁺⁺ ° 2.9-2 2.8-</th><th>ANALYSES/METHOD REQU</th><th></th><th>RECEIVING INFORMATION (completed by the Receiving Lab) COOLER TEMP: SEAL INTACT? Y or N SHIPPING CARRERNO. PROJECT INFORMATION PROJECT INFORMATION DATA DELIVERABLES: Standard- CLP-like- CLP-LIKE- CLP-CLP- CLP-LIKE- CLP-CLP- CL</th></t<></thtime></thtime>	Client Name: SATC Address: 6310 ALLE NTOUM BLVD HARAKGURG, PA 17112 Contact: RovieR MYERS Phone #: 73 - 901 - 8821 Project Name/#:HARLEY0AM050N Bill to: TAT: Normal- Standard TAT is 10-12 calendar days. Rush TAT subject to ALSI approved and surcharges. Date Required: 5 DAY TAT Approved by: Sur CAFA E-mail? Y.	хіятам ⁺⁺ ° 2.9-2 2.8-	ANALYSES/METHOD REQU		RECEIVING INFORMATION (completed by the Receiving Lab) COOLER TEMP: SEAL INTACT? Y or N SHIPPING CARRERNO. PROJECT INFORMATION PROJECT INFORMATION DATA DELIVERABLES: Standard- CLP-like- CLP-LIKE- CLP-CLP- CLP-LIKE- CLP-CLP- CL
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Mit. Numsk	TAT: Normal- Standard TAT is 10-12 calendar days. Rush-X Rush TAT subject to ALSI approval and surcharges. Date Required: 5 DAY TAT Approved by: Sve GreA E-mail? Y-	×IATAM** **			EDDS: Format Type- REPORTABLE TO PADEP? If Yes, PWSID NO.(7-digit no.): STATE WHERE SAMPLES COLLECTED: NC-[] NJ-[] N Y-[] PA-[Z] USACE-[] Navy-[] Other- SAMPLE DISPOSAL: SPECIAL-[] LAB-[] (disposed 2 weeks after completion) Sample Comments
Rush Right frame in the contract of the contra	Rush-X Rush TAT subject to ALSI approval and surcharges. Date Required: 50AY TAT Approved by: 50¢ CAEK E-mail? Y-	×іятам** °8 х 2829 × 5 808 00нтэм × 5			PWSID NO.(7-digt no.): STATE WHERE SAMPLES COLLECTED: NC-[] NJ-[] NY-[] PA-K] USACE-[] Navy-[] Other- SAMPLE DISPOSAL: SPECIAL-[] LAB-T (disposed 2 weeks after completion) . Sample Comments
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The fact of the control of t		× × ×			LAB-[1] (disposed 2 weeks after completion)
V_{C} -BANK Alu OF * D_{2} -3:-23 I_{12} Sample commons 2^{*} -CoAuK Alu IFF * D_{-2} -3:-03 I_{11} C D_{11} D_{12} D_{12} D_{12} D_{12} D_{11} D_{12}	(as it will appear on the lab report) Date Time	× >			. Sample Comments
2-Contrict +2 (-2) -03 $(1/2)$ $(1/2)$ $(1/2)$ $(1/2)$ 3 -2 $(1/2)$ $(1/2)$ $(1/2)$ $(1/2)$ $(1/2)$ $(1/2)$ 4 $(1/2)$ $(1/2)$ $(1/2)$ $(1/2)$ $(1/2)$ $(1/2)$ $(1/2)$ $(1/2)$ 5 $(1/2)$	1C-BANK ROW OFF#1 10-23-03 1125 C	~ ~			
3 4 10 <td< td=""><td>2C-BANK R.N. 14 #2 10-27-03 1415 C</td><td>2 X</td><td></td><td></td><td>05.CH</td></td<>	2C-BANK R.N. 14 #2 10-27-03 1415 C	2 X			05.CH
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Print Name and Company Signature Date/Time PROJECT COMMENTS: Sampled by: Topo ÈABY / SAIC Add (1) In-233-03 IS39 S 0AY TAT Received for ALSI Custody by: Received by: In-233-03 IS39 S 0AY TAT Relinquished by: Interface Interface Interface Interface Received by: Interface Interface Interface Interface Relinquished by: Interface Interface Interface Interface Relinquished by: Interface Interface Interface Interface Received by: Interface Interface Interface Interface Received by: Interface Interface Interface Interface	10				
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Received for ALSI Custody by: Beceived for ALSI Custody by: SUPY TAT SUPY TAT Relinquished by: $M_{1/2}$	Sampled by: TODO EABY /SALC	Down Sal	r 10.23.03 1539		1 V
Relinquished byRelinquished byN/ V_{1} N/ V_{2} N/ V	Received for ALSI Custody by:	Q		5 URY 1/11	
Received by: Mr/1/Multicle ML > 5 Multicle Labor Relinquished by: ALSI FIELD SERVICES: Pickup-[] Composite Sampling-[] Labor Received by: Received by: Rental Equipment-[] Other-	Relinquished by				When a block
Relinquished by: ALSi FIELD SERVICES: Pickup-[] Composite Sampling-[] Labor-[] Received by: Rental Equipment-[] Other-	Received by: Mr. M. W. C. M. S.	<u> </u>	1427 165 1539		
Received by:	Relinquished by:			ALSI FIELD SERVICES: Pickup-	Composite Sampling-
	Received by:			Rental Equipment-	

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34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

Certificate of Analysis

October 30, 2003

Mr. Roger Myers SAIC 6310 Allentown Blvd. Harrisburg, PA 17112 Lab ID #: 248656001 Received: 10/23/03 15:39 Discard: 11/13/03

Page: 1 Of 1

PO#:

Project Name: HARLEY DAVIDSON C-BANK

Sample ID: C-Blank Roll Off #1Matrix: SolidDate Collected: 10/23/03 11:25Collected by: Mr. Todd Eaby

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	Вү
WET CHEMISTRY							
Moisture	16.7	8	0.1	SM18-2540 G	10/30/03 04:20		WAM
Total Solids	83.3	¥	0.1	SM18-2540 G	10/30/03 04:20		WAM
	41						
PCB'S							
Aroclor-1016	ND	mg/kg	0.038	SW846 8082	10/24/03 21:22	10/24/03	CGS
Aroclor-1221	ND	mg/kg	0.038	SW846 8082	10/24/03 21:22	10/24/03	CGS
Aroclor-1232	ND	mg/kg	0.038	SW846 8082	10/24/03 21:22	10/24/03	CGS
Aroclor-1242	ND	mg/kg	0.038	SW846 8082	10/24/03 21:22	10/24/03	CGS
Aroclor-1248	ND	mg/kg	0.038	SW846 8082	10/24/03 21:22	10/24/03	CGS
Aroclor-1254	ND	mg/kg	0.038	SW846 8082	10/24/03 21:22	10/24/03	CGS
Aroclor-1260	0.376	mg/kg	0.038	SW846 8082	10/24/03 21:22	10/24/03	CGS
Surrogates	Result	Units	Recover	y Limits			
Decachlorobiphenyl	.046	mg/kg	58.4%	(30 - 150)			
Tetrachloro-m-xylene	.047	mg/kg	59.5*	(30 - 131)			

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Certificate of Analysis

October 30, 2003

Mr. Roger Myers SAIC 6310 Allentown Blvd. Harrisburg, PA 17112 Lab ID #: 248656002 Received: 10/23/03 15:39 Discard: 11/13/03

Page: 1 Of 1

HARLEY DAVIDSON C-BANK Project Name:

NALYTICAL

LABORATORY

SERVICES, INC.

PO#:

Sample ID: C-Blan Date Collected: 10/23	nk Roll Off #2			Matr: Collected }	ix: Solid oy: Mr. Todd	Eaby	
Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	Ву
WET CHEMISTRY Moisture Total Solids	17.1 82.9	₹. ₽	0.1 0.1	SM18-2540 G SM18-2540 G	10/30/03 04:20 10/30/03 04:20		WAM WAM
PCB'S Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260	ND ND ND ND ND ND 0.319	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.040 0.040 0.040 0.040 0.040 0.040 0.040	SW846 8082 SW846 8082 SW846 8082 SW846 8082 SW846 8082 SW846 8082 SW846 8082	10/24/03 21:52 10/24/03 21:52 10/24/03 21:52 10/24/03 21:52 10/24/03 21:52 10/24/03 21:52 10/24/03 21:52	10/24/03 10/24/03 10/24/03 10/24/03 10/24/03 10/24/03 10/24/03	CGS CGS CGS CGS CGS CGS CGS
Surrogates Decachlorobiphenyl Tetrachloro-m-xylene	Result .05 .052	Units mg/kg mg/kg	Recove 72.1% 74.4%	ry Limits (30 - 15 (30 - 13	0) 1)		

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Certificate of Analysis

October 30, 2003

Mr. Roger Myers SAIC 6310 Allentown Blvd. Harrisburg, PA 17112

Project Name: HARLEY DAVIDSON C-BANK

PO#:

Lab ID#: 248656

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Qualifier Flags - These flags may follow individual results for a specific analyte

- U Indicates that the analyte was not detected
- J Indicates an estimated value between method detection limit and the practical quantitation limit for the analyte
- E Indicates an estimated value outside of the calibration range of the analysis
- B Indicates that the analyte was found in the method blank associated with the sample

A result of ND indicates that the analyte was Not Detected at the Reporting Detection Limit (RDL).

ALSI is a NELAC accredited laboratory. ALSI certifies that all applicable test results meet the requirements of NELAC. For an inventory of our NELAC accreditations and Scope of Work please visit our website at <u>www.analyticallab.com</u> or contact your Project Manager at (717)944-5541 for a complete listing.

If you have any questions in reference to this laboratory report, please contact your ALSI project coordinator or the laboratory manager listed at the bottom of this report at 717-944-5541.

Note: This document is included as part of the Analytical Report and must be retained as a permanent record thereof.

Raymond J. Martrano Laboratory Manager

DY/ COC #: COC #:				COOLER TEMP: 17 C	COC SEAL INTACT:		SHIPPING CARRIER:				Container Lypers	Preservative Weekervative	SIS REQUESTED	/*	WE HOUND THE MASHI DOI * 2-Bank Rallast	K Hyby (B) Jamples are	Rush Sol, TAT.		FIL C-B-1K P.+C	Suctione AB+C	suples are	TAT locmal TAT			Remarks: [1]2]02 09 (1)			METHOD PROTOCOL: SW846 C CFR136 C	DRINKING WATER D OTHER:	REPORTING REQUIREMENTS: PADEP 🗆	
CHAIN OF CUSTO REQUEST FOR ANA	ANALYSES BEOUI			1 1 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		4/2 × 1 × 1					407 462 (1000)		NO. OF CONTAINERS PER ANALY		3 No 402 South 100	Pro Part My	-								nature Date/Time	M-2-2-1-10-1-05 1447	L1701 21 18-01				_
ES, INC. Middletown, PA 170 Middletown, PA 170 States + Food Science FAX: 717-944-1430			$\frac{1}{\sqrt{2}}$						subject to approval and surcharges	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	4 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2		GIC TIME MATRIX • On-OD •••	(- 13cr See!	G 130 Soil	6 132 Sol X1	G 13% Sol X	G 1345 58 (X	6 134 1501 X1						ompany Sig	ter Vans. 21-	1611				
ANALYTICAL LABORATORY SERVICE Environmental + Industrial Hj		Client Name: <u>SATC</u>	Address: <u>Control Attender</u>	1 P. 12 11-1	Contact: <u>Externational Munical</u>	Phone #: 1101-136331	Project Name/#: Careford - Carefo	Quote/P0 #:	TAT: Normal E, "Rush E' Rush IAI s	Date Required:	Approved by:	Fax Results ? Y or N #:	SAMPLE DESCRIPTION//LOCATION		2 c. C. D. R. Het . C. L +	3 C - F - K R+ C	1 c. Bruk Suckey A	5 C. P. M. Surface B	B - Bank Service C.	7		E	10	12	Print Name and Co	Sampled by: Steve At Face	Received by:	Relinquished by:	Received by:	Relinquished by:	

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Certificate of Analysis

November 25, 2003

Mr. Roger Myers SAIC 6310 Allentown Blvd. Harrisburg, PA 17112 Lab ID **#: 249317001** Received: 10/31/03 14:47 Discard: 12/09/03

Page: 1 Of 5

PO#:

Project Name: HARLEY DAVIDSON C-BANK

ANALYTICAL

LABORATORY

Services, Inc.

Sample ID: C-Bank Rolloff CompMatrix: SolidDate Collected: 10/31/03 13:00Collected by: Mr. Steve McFeaters

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	Ву
WET CHEMISTRY							
Moisture	17.5	£	0.1	SM18-2540 G	10/04/03 05:30		KMW
Total Solids	82.5	P.	0.1	SM18-2540 G	10/04/03 05:30		KMW
TCLP LEACHATE							
Extraction Fluid Used	1			SW846 1311	11/04/03 14:10	11/04/03	JDW
Final pH	5.1	pH_Units		SW846 1311	11/04/03 14:10	11/04/03	JDW
Preliminary pH after DI water	8.0	pH_Units		SW846 1311	11/04/03 14:10	11/04/03	JDW
Preliminary pH after HCl	1.7	pH_Units		SW846 1311	11/04/03 14:10	11/04/03	JDW
TCLP METALS							
Arsenic, Total	0.008J	mg/L	0.220	SW846 6010B	11/06/03 00:14	11/05/03	вск
Barium, Total	0.697	mg/L	0.560	SW846 6010B	11/06/03 00:14	11/05/03	BCK
Cadmium, Total	0.001J	mg/L	0.110	SW846 6010B	11/06/03 00:14	11/05/03	вск
Chromium, Total	0.002J	mg/L	0.110	SW846 6010B	11/06/03 00:14	11/05/03	BCK
Lead, Total	0.027J	mg/L	0.110	SW846 6010E	11/06/03 00:14	11/05/03	вск
Mercury, Total	ND	mg/L	0.006	SW846 7470A	11/06/03 14:15	11/05/03	NAH
Selenium, Total	ND	mg/L	0.22	SW846 6010E	11/06/03 00:14	11/05/03-	BCK
Silver, Total ¹	ND	mg/L	0.110	SW846 6010E	11/06/03 15:22	11/05/03	BCK
SEMIVOLATILES							
Acenaphthene	11J	ug/kg	120	SW846 8270C	11/06/03 16:59	11/05/03	DRS
Acenaphthylene	ND	ug/kg	120	SW846 8270C	11/06/03 18:59	11/05/03	DRS

1 - The LCS associated with this sample failed for silver. This sample was redigested in batch 3982







Certificate of Analysis

November 25, 2003

Mr. Roger Myers SAIC 6310 Allentown Blvd. Harrisburg, PA 17112 Lab ID #: **249317001** Received: 10/31/03 14:47 Discard: 12/09/03

Page: 2 Of 5

Project Name: HARLEY DAVIDSON C-BANK

Sample ID: C-Bank Rolloff Comp Date Collected: 10/31/03 13:00 Matrix: Solid

PO#:

Collected by: Mr. Steve McFeaters

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	ву
SEMIVOLATILES (continued)							
Anthracene	21J	ug/kg	80	SW846 8270C	11/06/03 16:59	11/05/03	DRS
Benzidine	ND	ug/kg	798	SW846 8270C	11/06/03 16:59	11/05/03	DRS
Benzo(a) anthracene	84	ug/kg	80	SW846 8270C	11/06/03 16:59	11/05/03	DRS
Benzo(a) pyrene ·	113	ug/kg	80	SW846 8270C	11/06/03 16:59	11/05/03	DRS
Benzo(b)fluoranthene	129	ug/kg	80	SW846 8270C	11/06/03 16:59	11/05/03	DRS
Benzo(g,h,i)perylene	67J	ug/kg	80	SW846 8270C	11/06/03 16:59	11/05/03	DRS
Benzo(k)fluoranthene	ND	ug/kg	200	SW846 8270C	11/06/03 16:59	11/05/03	DRS
4-Bromophenyl-phenylether	ND	ug/kg	120	SW846 8270C	11/06/03 16:59	11/05/03	DRS
Butylbenzylphthalate	ND	ug/kg	200	SW846 8270C	11/06/03 16:59	11/05/03	DRS
4-Chloro-3-methylphenol	ND	ug/kg	398	SW846 8270C	11/06/03 16:59	11/05/03	DRS
Bis(2-Chloroethoxy)methane	ND	ug/kg	120	SW846 8270C	11/06/03 16:59	11/05/03	DRS
Bis(2-Chloroethyl)ether	ND	ug/kg	120	SW846 8270C	11/06/03 16:59	11/05/03	DRS
bis(2-Chloroisopropyl)ether	ND	ug/kg	80	SW846 8270C	11/06/03 16:59	11/05/03	DRS
2-Chloronaphthalene	ND	ug/kg	200	SW846 8270C	11/06/03 16:59	11/05/03	DRS
2-Chlorophenol	ND	ug/kg	398	SW846 8270C	11/06/03 16:59	11/05/03	DRS
4-Chlorophenyl-phenylether	ND	ug/kģ	200	SW846 8270C	11/06/03 16:59	11/05/03	DRS
Chrysene	93	ug/kg	80	SW846 8270C	11/06/03 16:59	11/05/03	DRS
Di-n-Butylphthalate	ND	ug/kg	200	SW846 8270C	11/06/03 16:59	11/05/03.	DRS
Di-n-Octylphthalate	ND	ug/kg	200	SW846 8270C	11/06/03 16:59	11/05/03	DRS
Dibenzo(a,h)anthracene	18J	ug/kg	80	SW846 8270C	11/06/03 16:59	11/05/03	DRS
l,2-Dichlorobenzene	ND	ug/kg	200	SW846 8270C	11/06/03 16:59	11/05/03	DRS
1,3-Dichlorobenzene	98J	ug/kg	200	SW846 8270C	11/06/03 16:59	11/05/03	DRS



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November 25, 2003

Mr. Roger Myers SAIC 6310 Allentown Blvd. Harrisburg, PA 17112 Lab ID #: **249317001** Received: 10/31/03 14:47 Discard: 12/09/03

Page: 3 Of 5

Project Name: HARLEY DAVIDSON C-BANK

Sample ID: C-Bank Rolloff Comp Date Collected: 10/31/03 13:00 Matrix: Solid

PO#:

Collected by: Mr. Steve McFeaters

Analysis Parameter	Result	Units	RDL	Method	Completed	Pren Date	Der
SEMIVOLATILES (continued)					-	rrep bace	ъy
1,4-Dichlorobenzene	62J	ug/kg	200	SW846 8270C	11/06/03 16:59	11/05/03	ספת
3,3'-Dichlorobenzidine	ND	ug/kg	398	SW846 8270C	11/06/03 16:59	11/05/03	DRS
2,4-Dichlorophenol	ND	ug/kg	398	SW846 8270C	11/06/03 16:59	11/05/03	DRS
Diethylphthalate	ND	ug/kg	398	SW846 8270C	11/06/03 16:59	11/05/03	DRS
2,4-Dimethylphenol	ND	ug/kg	398	SW846 8270C	11/06/03 16:59	11/05/03	DRS
Dimethyl-phthalate	ND	ug/kg	398	SW846 8270C	11/06/03 16:59	11/05/03	DRS
2,4-Dinitrophenol	ND	ug/kg	598	SW846 8270C	11/06/03 16:59	11/05/03	DRS
2,4-Dinitrotoluene	ND	ug/kg	80	SW846 8270C	11/06/03 16:59	11/05/03	DRS
2,6-Dinitrotoluene	ND	ug/kg	80	SW846 8270C	11/06/03 16:59	11/05/03	DRS
1,2 Diphenylhydrazine	ND	ug/kg	200	SW846 8270C	11/06/03 16:59	11/05/03	DRS
bis(2-Ethylhexyl)phthalate	ND	ug/kg	80	SW846 8270C	11/06/03 16:59	11/05/03	DRS
Fluoranthene	169	ug/kg	80	SW846 8270C	11/06/03 16:59	11/05/03	DRS
Fluorene	ND	ug/kg	120	SW846 8270C	11/06/03 16:59	11/05/03	DRS
Hexachlorobenzene	ND	ug/kg	80	SW846 8270C	11/06/03 16:59	11/05/03	DRS
Hexachlorobutadiene	ND	ug/kg	200	SW846 8270C	11/06/03 16:59	11/05/03	DRS
Hexachlorocyclopentadiene	ND	ug/kg	398	SW846 8270C	11/06/03 16:59	11/05/03	DRS
Hexachloroethane	ND	ug/kg	200	SW846 8270C	11/06/03 16:59	11/05/03	DRS
Indeno(1,2,3-cd)pyrene	62J	ug/kg	80 [.]	SW846 8270C	11/06/03 16:59	11/05/03	DBS
Isophorone	ND	ug/kg	120	SW846 8270C	11/06/03 16:59	11/05/03	DRS
2-Methyl-4,6-dinitrophenol	ND	ug/kg	39B	SW846 8270C	11/06/03 16:59	11/05/03	DRS
Naphthalene	ND	ug/kg	120	SW846 8270C	11/06/03 16:59	11/05/03	DRS
Nítrobenzene	ND	ug/kg	120	SW846 8270C	11/06/03 16:59	11/05/03	DRS



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November 25, 2003

Mr. Roger Myers SAIC 6310 Allentown Blvd. Harrisburg, PA 17112 Lab ID #: **249317001** Received: 10/31/03 14:47 Discard: 12/09/03

Page: 4 Of 5

Project Name: HARLEY DAVIDSON C-BANK

Sample ID: C-Bank Rolloff Comp Date Collected: 10/31/03 13:00 Matrix: Solid

PO#:

Collected by: Mr. Steve McFeaters

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	By
SEMIVOLATILES (continued)						-	-
2-Nitrophenol	ND	ug/kg	398	SW846 8270C	11/06/03 16:59	11/05/03	DRS
4-Nitrophenol	ND	ug/kg	398	SW846 8270C	11/06/03 16:59	11/05/03	DRS
N-Nitrosodimethylamine	ND	ug/kg	120	SW846 8270C	11/06/03 16:59	11/05/03	DRS
N-Nitroso-di-n-propylamine	ND	ug/kg	120	SW846 8270C	11/06/03 16:59	11/05/03	DRS
n-Nitrosodiphenylamine	ND	ug/kg	120	SW846 8270C	11/06/03 16:59	11/05/03	DRS
Pentachlorophenol	ND	ug/kg	997	SW846 8270C	11/06/03 16:59	11/05/03	DRS
Phenanthrene	72J	ug/kg	120	SW846 8270C	11/06/03 16:59	11/05/03	DRS
Phenol	ND	ug/kg	398	SW846 8270C	11/06/03 i6:59	11/05/03	DRS
Pyrene	119	ug/kg	80	SW846 8270C	11/06/03 16:59	11/05/03	DRS
1,2,4-Trichlorobenzene	390	ug/kg	200	SW846 8270C	11/06/03 16:59	11/05/03	DRS
2,4,6-Trichlorophenol	ND	ug/kg	398	SW846 8270C	11/06/03 16:59	11/05/03	DRS
			•			• .	
METALS							
Antimony, Total	1J	mg/kg	1	SW846 6010B	11/04/03 14:46	11/04/03	JWK
Arsenic, Total	6	mg/kg	2	SW846 6010B	11/04/03 14:46	11/04/03	JWK
Beryllium, Total	0.9J	mg/kg	1.2	SW846 6010B	11/04/03 14:46	11/04/03	JWK
Cadmium, Total	ND	mg/kg	0.6	SW846 6010B	11/04/03 14:46	11/04/03	JWK
Chromium, Total	19.0	mg/kg	1.2	SW846 6010B	11/04/03 14:46	11/04/03	JWK
Copper, Total	13	mg/kg	2	SW846 6010E	11/04/03 14:46	11/04/03	JWK
Lead, Total	644	mg/kg	1	SW846 60105	11/04/03 14:46	11/04/03	JWK
Mercury, Total	0.043	mg/kg	0.06	SW846 7471	11/05/03 12:57	11/04/03	NAH
Nickel, Total	13	mg/kg	2	SW846 6010B	11/04/03 14:46	11/04/03	JWK

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November 25, 2003

Mr. Roger Myers SAIC 6310 Allentown Blvd. Harrisburg, PA 17112 Lab ID #: **249317001** Received: 10/31/03 14:47 Discard: 12/09/03

Page: 5 Of 5

Project Name: HARLEY DAVIDSON C-BANK

NALYTICAL

LABORATORY

Services, Inc.

Sample ID: C-Bank Rolloff Comp Date Collected: 10/31/03 13:00 Matrix: Solid Collected by: Mr. Steve McFeaters

PO#:

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	Bv
METALS (continued)						-	-
Selenium, Total	ND	mg/kg	2	SW846 6010B	11/04/03 14:46	11/04/03	JWK
Silver, Total	0.3J	mg/kg	0.6	SW846 6010B	11/04/03 14:46	11/04/03	JWK
Thallium, Total	ND	mg/kg	4	SW846 6010B	11/04/03 14:46	11/04/03	JWK
Zinc, Total	93	mg/kg	2	SW846 6010B	11/04/03 14:46	11/04/03	JWK
Surrogates	Result	Units	Recover	y Limits			
2,4,6-Tribromophenol	2570	ug/kg	78.1%	(18 - 164)			
2-Fluorobiphenyl	1360	ug/kg	82.7%	(52 - 111)			
2-Fluorophenol	2180	ug/kg	66.3%	(17 - 124)			
Nitrobenzene-d5	1200	ug/kg	73.0%	(39 - 108)			
Phenol-d5	2600	ug/kg	79.0%	(35 - 119)			
Terphenyl-d14	1350	uq/kq	82.1%	(34 - 147)			

Comments:

This report was modified to correct the results for the semivolatile target compounds and surrogates due to an error in the method calibration file. DHF 11/12/03 This sample was 17 degrees C when received at the laboratory. 11/25/03 LLD

This report was modified to add the above comment. 11/25/03 LLD

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Raymond J. Martrano Laboratory Manager

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November 25, 2003

Mr. Roger Myers SAIC 6310 Allentown Blvd. Harrisburg, PA 17112 Lab ID #: 249317002 Received: 10/31/03 14:47 Discard: 12/09/03

Page: 1 Of 2

Project Name: HARLEY DAVIDSON C-BANK

ANALYTICAL

LABORATORY

Services, Inc.

Sample ID: C-Bank Rolloff Grab Date Collected: 10/31/03 13:00

Matrix: Solid Collected by: Mr. Steve McFeaters

PO#:

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	ву
WET CHEMISTRY							
Moisture	17.5	8	0.1	SM18-2540 G	10/04/03 05:30		KMW
Total Solids	82.5	0	0.1	SM18-2540 G	10/04/03 05:30		кім
VOLATILE ORGANICS							
Acrolein	ND	ug/kg	20	8260/5035	11/05/03 05:57	10/31/03	JHD
Acrylonitrile	ND	ug/kg	7.9	8260/5035	11/05/03 05:57	10/31/03	JHD
Benzene	0.18J .	ug/kg	2.0	8260/5035	11/05/03 05:57	10/31/03	JHD
Bromodichloromethane	ND	ug/kg	2.0	8260/5035	11/05/03 05:57	10/31/03	JHD
Bromoform	ND	ug/kg	2.0	8260/5035	11/05/03 05:57	10/31/03	JHD
Bromomethane	ND	ug/kg	4.0	8260/5035	11/05/03 05:57	10/31/03	JHD
2-Butanone (MEK)	4.2J	ug/kg	7.9	8260/5035	11/05/03 05:57	10/31/03	JHD
Carbon Tetrachloride	ND	ug/kg	2.0	8260/5035	11/05/03 05:57	10/31/03	JHD
Chlorobenzene	0.91J	ug/kg	2.0	8260/5035	11/05/03 05:57	10/31/03	JHD
Chlorodibromomethane	ND	ug/kg	2.0	8260/5035	11/05/03 05:57	10/31/03	JHD
Chloroethane	ND	ug/kg	2.0	8260/5035	11/05/03 05:57	16/31/03	JHD
2-Chloroethylvinyl ether	ND	ug/kg	2.0	8260/5035	11/05/03 05:57	10/31/03	JHD
Chloroform .	ND	ug/kg	2.0	8260/5035	11/05/03 05:57	10/31/03	JHD
Chloromethane	ND	ug/kg	2.0	8260/5035	11/05/03 05:57	10/31/03	JHD
1,1-Dichloroethane	ND	ug/kg	2.0	8260/5035	11/05/03 (E:57	10/31/03	JHD
1,2-Dichloroethane	ND	ug/kg	2.0	8260/5035	11/05/03 CE:57	10/31/03	JHD
1,1-Dichloroethene	ND	ug/kg	2.0	826075035	11/05/03 CE:E7	10/31/03	JHD
trans-1,2-Dichloroethene	ND	ug/kg	2.0	8260/5035	11/05/03 05:57	10/31/03	JHD

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Certificate of Analysis

November 25, 2003

Mr. Roger Myers SAIC 6310 Allentown Blvd. Harrisburg, PA 17112 Lab ID #: 249317002 Received: 10/31/03 14:47 Discard: 12/09/03

Page: 2 Of 2

Project Name: HARLEY DAVIDSON C-BANK

NALYTICAL

ABORATORY

RVICES, INC.

Sample ID: C-Bank Rolloff Grab Date Collected: 10/31/03 13:00

Matrix: Solid Collected by: Mr. Steve McFeaters

PO#:

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	Ву
VOLATILE ORGANICS (continued)							-
1,2-Dichloropropane	ND	ug/kg	2.0	8260/5035	11/05/03 05:57	10/31/03	JHD
1,3-Dichloropropene, Total	ND	ug/kg	4.0	8260/5035	11/05/03 05:57	10/31/03	JHD
Ethylbenzene	0.53J	ug/kg	2.0	8260/5035	11/05/03 05:57	10/31/03	JHD
Methylene Chloride .	ND	ug/kg	4.0	8260/5035	11/05/03 05:57	10/31/03	JHD
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.0	8260/5035	11/05/03 05:57	10/31/03	JHD
Tetrachloroethene	ND	ug/kg	2.0	8260/5035	11/05/03 05:57	10/31/03	JHD
Toluene	0.33J	ug/kg	2.0	8260/5035	11/05/03 05:57	10/31/03	JHD
1,1,1-Trichloroethane	ND	ug/kg	2.0	8260/5035	11/05/03 05:57	10/31/03	JHD
1,1,2-Trichloroethane	ND	ug/kg	2.0	8260/5035	11/05/03 05:57	10/31/03	JHD
Trichloroethene	1.5J	ug/kg	2.0	8260/5035	11/05/03 05:57	10/31/03	JHD
Vinyl Chloride	ND	ug/kg	4.0	8260/5035	11/05/03 05:57	10/31/03	JHD
Surrogates	Result	Units	Recover	Y Limits			
1,2-Dichloroethane-d4	26.2	ug/kg	107.0%	(60 - 122)			
Dibromofluoromethane	25.5	ug/kg	104.0%	(68 - 121)			
Toluene-d8	25.2	ug/kg	102.0%	(72 - 118)			

Comments:

4-Bromofluorobenzene

It is not possible to analyze for 2-chloroethyl vinyl ether - due to unreliable guantitation caused by the acidic - preservative required by EPA method 5035 for soils. This sample was 17 degrees C when received at the laboratory. 11/25/03 LLD

91.18

(73 - 118)

uq/kq

This lab report was modified to add the above comment. 11/25/03 LLD

22.4

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Raymond J. Martrano Laboratory Manager



Certificate of Analysis

November 25, 2003

Mr. Roger Myers SAIC 6310 Allentown Blvd. Harrisburg, PA 17112 Lab ID #: **249317003** Received: 10/31/03 14:47 Discard: 12/09/03

Page: 1 Of 1

Project Name: HARLEY DAVIDSON C-BANK

ect Mame, HARLEI DAVIDSON C-BANK

Sample ID: C-Bank Pit C Date Collected: 10/31/03 13:30 Matrix: Solid Collected by: Mr. Steve McFeaters

PO#:

					· · · · · · · · · · · · · · · · · · ·		_
Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	ву
WET CHEMISTRY							
Moisture	16.9	90	0.1	SM18-2540 G	10/04/03 05:30		KMV
Total Solids	83.1	묻	0.1 :	SM18-2540 G	10/04/03 05:30		KMW
PCB'S							
Aroclor-1016	ND	mg/kg	0.378	SW846 8082	11/04/03 16:28	11/04/03	AJI
Aroclor-1221	ND	mg/kg	0.378 9	SW846 8082	11/04/03 16:28	11/04/03	AJI
Aroclor-1232	ND	mg/kg	0.378 \$	SW846 8082	11/04/03 16:28	11/04/03	AJI
Aroclor-1242 ¹	1.96	mg/kg	0.378 5	SW846 8082	11/04/03 16:28	11/04/03	AJI
Aroclor-1248	ND	mg/kg	0.378 5	5W846 8082	11/04/03 16:28	11/04/03	AJL
Aroclor-1254	ND	mg/kg	0.378 9	SW846 8082	11/04/03 16:28	11/04/03	AJL
Aroclor-1260	5.77	mg/kg	0.378 5	SW846 8082	11/04/03 16:28	11/04/03	AJL
Surrogates	Result	Units	Recovery	Limits			
Decachlorobiphenyl	.081	mg/kg	103.0%	(30 - 150)			
Tetrachloro-m-xvlene	089	ma/ka	112 08	(30 - 131)			

Comments:

This sample was analyzed at a dilution in the 8082 PCB - analysis due to the level of Aroclor detected. Reporting - limits were adjusted accordingly. This sample was 17 degrees C when received at the laboratory. 11/25/03 LLD This report was modified to add the above comment. 11/25/03 LLD

1-The Aroclor 1242 chromatographic pattern observed in the PCB analysis of this sample indicates the Aroclor has been degraded. AJL 11/5/03 This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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November 25, 2003

Mr. Roger Myers SAIC 6310 Allentown Blvd. Harrisburg, PA 17112 Lab ID **#: 249317004** Received: 10/31/03 14:47 Discard: 12/09/03

Page: 1 Of 1

PO#:

Project Name: HARLEY DAVIDSON C-BANK

NALYTICAL

ABORATORY

ERVICES, INC.

Sample ID: C-Bank Surface AMatrix: SolidDate Collected: 10/31/03 13:35Collected by: Mr. Steve McFeaters

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	ву
WET CHEMISTRY							
Moisture	15.2	5	0.1	SM18-2540 G	10/04/03 05:30		KMW
Total Solids	84.8	₽.	0.1	SM18-2540 G	10/04/03 05:30		KMW
PCB'S							
Aroclor-1016	ND	mg/kg	0.382	SW846 8082	11/04/03 16:58	11/04/03	AJL
Aroclor-1221	ND	mg/kg	0.382	SW846 8082	11/04/03 16:58	11/04/03	AJL
Aroclor-1232	ND	mg/kg	0.382	SW846 8082	11/04/03 16:58	11/04/03	AJL
Aroclor-1242	ND	mg/kg	0.382	SW846 8082	11/04/03 16:58	11/04/03	AJL
Aroclor-1248	ND	mg/kg	0.382	SW846 8082	11/04/03 16:58	11/04/03	AJL
Aroclor-1254	ND	mg/kg	0.382	SW846 8082	11/04/03 16:58	11/04/03	AJL
Aroclor-1260	12.0	mg/kg	0.382	SW846 8082	11/04/03 16:58	11/04/03	AJL
Surrogates	Result	Units	Recover	ry Limits			
Decachlorobiphenyl	.066	mg/kg	80.8%	(30 - 150)			
Tetrachloro-m-xylene	.075	mg/kg	92.3%	(30 - 131)			

Comments:

This sample was analyzed at a dilution in the 8082 PCB - analysis due to the level of Aroclor detected. Reporting - limits were adjusted accordingly. This sample was 17 degrees C when received at the laboratory. 11/25/03 LLD This report was modified to add the above comment. 11/25/03 LLD

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Raymond J. Martrano Laboratory Manager

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Mr. Roger Myers SAIC 6310 Allentown Blvd. Harrisburg, PA 17112 Lab ID #: 249317005 Received: 10/31/03 14:47 Discard: 12/09/03

Page: 1 Of 1

PO#:

Project Name: HARLEY DAVIDSON C-BANK

NALYTICAL

ABORATORY

RVICES, INC.

Sample ID: C-Bank Surface BMatrix: SolidDate Collected: 10/31/03 13:45Collected by: Mr. Steve McFeaters

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	ву
WET CHEMISTRY							
Moisture	15.1	8	0.1	SM18-2540 G	10/04/03 05:30		KMW
Total Solids	84.9	8	0.1	SM18-2540 G	10/04/03 05:30		KMW
PCB'S							
Aroclor-1016	ND	mg/kg	1.93	SW846 8082	11/04/03 17:29	11/04/03	AJL
Aroclor-1221	ND	mg/kg	1.93	SW846 8082	11/04/03 17:29	11/04/03	AJL
Aroclor-1232	ND	mg/kg	1.93	SW846 8082	11/04/03 17:29	11/04/03	AJL
Aroclor-1242	ND	mg/kg	1.93	SW846 8082	11/04/03 17:29	11/04/03	AJL
Aroclor-1248	ND	mg/kg	1.93	SW846 8082	11/04/03 17:29	11/04/03	AJL
Aroclor-1254	ND	mg/kg	1.93	SW846 8082	11/04/03 17:29	11/04/03	AJL
Aroclor-1260	19.4	mg/kg	1.93	SW846 8082	11/04/03 17:29	11/04/03	AJL
Surrogates	Result	Units	Recover	y Limits			
Decachlorobiphenyl	.082	mg/kg	98.8%	(30 - 150)			
Tetrachloro-m-xylene	.141	mg/kg	170.0%	(30 - 131)			

Comments:

This sample was analyzed at a dilution in the 8082 PCB - analysis due to the level of Aroclor detected. Reporting - limits were adjusted accordingly. One or more of the - surrogates could not be evaluated as a result of the - dilution. This sample was 17 degrees C when received at the laboratory. 11/25/03 LLD

This sample was 17 degrees C when received at the laboratory. 11/25/03 LL This report was modified to add the above comment. 11/25/03 LLD

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Raymond J. Martrano Laboratory Manager

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November 25, 2003

Mr. Roger Myers SAIC 6310 Allentown Blvd. Harrisburg, PA 17112

Lab ID #: 249317006 Received: 10/31/03 14:47 Discard: 12/09/03

Page: 1 Of 1

PO#:

Project Name: HARLEY DAVIDSON C-BANK

ANALYTICAL

LABORATORY

Sample ID: C-Bank Surface C Matrix: Solid Date Collected: 10/31/03 13:50 Collected by: Mr. Steve McFeaters

Analysis Parameter	Result	Units	RDL	Method			
WET CHEMISTRY					combrefed	Prep Date	Ву
Moisture	19.7	8	0 1	SM10 0540 0			
Total Solids	80.2	-		3M16-2540 G	10/04/03 05:30		KMW
	80.3	÷	0.1	SM18-2540 G	10/04/03 05:30		KMW
PCB'S							
Aroclor-1016	ND	ma/ka	1 06				
Aroclor-1221	20		4.00	SW846 8082	11/04/03 17:59	11/04/03	AJL
Aroclor-1222	ND	mg∕kg	4.06	SW846 8082	11/04/03 17:59	11/04/03	A.TT.
A100101-1232	ND	mg/kg	4.06	SW846 8082	11/04/03 17.59	11/04/07	
Aroclor-1242	ND	ma/ka	4.06	SW846 9000		11/04/03	AJL
Aroclor-1248	ND	malka		54040 0002	11/04/03 17:59	11/04/03	AJL
Aroclor-1254	NĐ	mg/xg	4.06	SW846 8082	11/04/03 17:59	11/04/03	AJL
Arcolor 1000	ND	mg/kg	4.06	SW846 8082	11/04/03 17:59	11/04/03	זד.מ
AIOCIOI-1260	145	mg/kg	4.06	SW846 8082	11/04/03 17.50	12 (01/05	NUL
Surrogates	De eu l é	** - 7 -			11/04/05 17:55	11/04/03	AJL
Decachlorobinhanul	Result	Units	Recove	ry Limits			
becachibibbiphenyl	.113	mg/kg	138.0	ار (30 − 150)			
Tetrachloro-m-xylene	.2	mg/kg	243 0	ددد _ 20 / ۲۵۱۰ - ۲۵۱۰			

Comments:

This sample was analyzed at a dilution in the 8082 PCB - analysis due to the level of Aroclor detected. Reporting - limits were adjusted accordingly. One or more of the - surrogates could not be evaluated as a result of the -

This sample was 17 degrees C when received at the laboratory. 11/25/03 LLD This report was modified to add the above comment. 11/25/03 LLD

This report relates only to the sample as received by the laboratory, and may only be



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November 25, 2003

Mr. Roger Myers SAIC 6310 Allentown Blvd. Harrisburg, PA 17112

Project Name: HARLEY DAVIDSON C-BANK

PO#:

Lab ID#: 249317

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Qualifier Flags - These flags may follow individual results for a specific analyte U - Indicates that the analyte was not detected

- J Indicates an estimated value between method detection limit and the practical quantitation limit for the analyte
- E Indicates an estimated value outside of the calibration range of the analysis
- B Indicates that the analyte was found in the method blank associated with the sample

A result of ND indicates that the analyte was Not Detected at the Reporting Detection Limit (RDL).

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If you have any questions in reference to this laboratory report, please contact your ALSI project coordinator or the laboratory manager listed at the bottom of this report at 717-944-5541.

Note: This document is included as part of the Analytical Report and must be retained as a permanent record thereof.

Raymond J. Martrano Laboratory Manager

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2 Surface B-2' 11/12/03 16 3	6 S	$\boldsymbol{\lambda}$, 			
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Certificate of Analysis

November 14, 2003

Mr. Roger Myers SAIC 6310 Allentown Blvd. Harrisburg, PA 17112

Lab ID #: 250299001 Received: 11/12/03 19:10 Discard: 11/28/03

Page: 1 Of 1

Project Name: HARLEY DAVIDSON C-BANK

ANALYTICAL

LABORATORY

Services, Inc.

PO#:

Sample	ID:	Surface	B-1	

Date C	corrected:	11/12/03	16:44	 		DY:	111	1044	Бару
Date C	Sample ID: Collected:	Surface E 11/12/03	3-1 16:44		Mat: Collected	rıx: by:	SOLI Mr.	.a Todd	Eaby

Analysis falameter	Result	Units	RDL	Method	CONDICICA	rrep bace	21
WET CHEMISTRY							
Moisture	18.5	8	0.1	SM18-2540 G	11/13/03 09:40		PAG
Total Solids	81.5	¥	0.1	SM18-2540 G	11/13/03 09:40		PAG
PCB'S							
Aroclor-1016	ND	mg/kg	40.0	SW846 8082	11/13/03 10:00	11/12/03	JJH
Aroclor-1221	ND	mg/kg	40.0	SW846 8082	11/13/03 10:00	11/12/03	JJH
Aroclor-1232	ND	mg/kg	40.0	SW846 8082	11/13/03 10:00	11/12/03	JJH
Aroclor-1242	ND	mg/kg	40.0	SW846 8082	11/13/03 10:00	11/12/03	JJH
Aroclor-1248	ND	mg/kg	40.0	SW846 8082	11/13/03 10:00	11/12/03	JJH
Aroclor-1254	ND	mg/kg	40.0	SW846 8082	11/13/03 10:00	11/12/03	JJH
Aroclor-1260	1150	mg/kg	40.0	SW846 8082	11/13/03 10:00	11/12/03	JJH
Surrogates	Result	Units	Recover	ry Limits			
Decachlorobiphenyl	0	mg/kg	0.0%	(30 - 150)			
Tetrachloro-m-xylene	0	mg/kg	0.0%	· (30 - 131)			

Comments:

This sample was analyzed at a dilution in the 8082 PCB analysis due to the level of Aroclor detected. One or more of the surrogates could not be evaluated due to the dilution. Reporting limits were adjusted accordingly. JJH 11/14/03

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Certificate of Analysis

November 14, 2003

Mr. Roger Myers SAIC 6310 Allentown Blvd. Harrisburg, PA 17112 Lab ID #: 250299002 Received: 11/12/03 19:10 Discard: 11/28/03

Page: 1 Of 1

PO#:

Project Name: HARLEY DAVIDSON C-BANK

Sample ID: Surface B-2Matrix: SolidDate Collected: 11/12/03 16:53Collected by: Mr. Todd Eaby

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	Ву
WET CHEMISTRY							
Moisture	15.2	¥	0.1	SM18-2540 G	11/13/03 09:40		PAG
Total Solids	84.8	8	0.1	SM18-2540 G	11/13/03 09:40		PAG
PCB'S							
Aroclor-1016	ND	mg/kg	3.78	SW846 8082	11/13/03 10:32	11/12/03	JJH
Aroclor-1221	NĎ	mg/kg	3.78	SW846 8082	11/13/03 10:32	11/12/03	JJH
Aroclor-1232	ND	mg/kg	3.78	SW846 8082	11/13/03 10:32	11/12/03	JJH
Aroclor-1242	ND	mg/kg	3.78	SW846 8082	11/13/03 10:32	11/12/03	JJH
Aroclor-1248	ND	mg/kg	3.78	SW846 8082	11/13/03 10:32	11/12/03	JJH
Aroclor-1254	ND	mg∕kg	3.78	SW846 8082	11/13/03 10:32	11/12/03	JJH
Aroclor-1260	45.9	mg/kg	3.78	SW846 8082	11/13/03 10:32	11/12/03	JJH
Surrogates	Result	Units	Recover	ry Limits			
Decachlorobiphenyl	0	mg/kg	0.0%	(30 - 150)			
Tetrachloro-m-xylene	0	mg/kg	0.0%	(30 - 131)			

Comments:

his sample was analyzed at a dilution in the 8082 PCB analysis due to the level of Aroclor detected. One or more of the surrogates could not be evaluated due to the dilution. Reporting limits were adjusted accordingly. JJH 11/14/03

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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November 14, 2003

Mr. Roger Myers SAIC 6310 Allentown Blvd. Harrisburg, PA 17112 Lab ID #: 250299003 Received: 11/12/03 19:10 Discard: 11/28/03

Page: 1 Of 1

PO#:

Project Name: HARLEY DAVIDSON C-BANK

ANALYTICAL

LABORATORY

Services, Inc.

Sample ID: Surface B-3Matrix: SolidDate Collected: 11/12/03 16:58Collected by: Mr. Todd Eaby

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	Ву
WET CHEMISTRY							
Moisture	19.8	8	0.1	SM18-2540 G	11/13/03 09:40		PAG
Total Solids	80.2	8	0.1	SM18-2540 G	11/13/03 09:40		PAG
	alin						
PCB'S							
Aroclor-1016	ND	mg/kg	0.786	SW846 8082	11/13/03 11:38	11/12/03	JJH
Aroclor-1221	ND	mg/kg	0.786	SW846 8082	11/13/03 11:38	11/12/03	JJH
Aroclor-1232	ND	mg/kg	0.786	SW846 8082	11/13/03 11:38	11/12/03	JJH
Aroclor-1242	ND	mg/kg	0.786	SW846 8082	11/13/03 11:38	11/12/03	JJH
Aroclor-1248	ND	mg/kg	0.786	SW846 8082	11/13/03 11:38	11/12/03	JJH
Aroclor-1254	ND	mg/kg	0.786	SW846 8082	11/13/03 11:38	11/12/03	JJH
Aroclor-1260	16.4	mg/kg	0.786	SW846 8082	11/13/03 11:38	11/12/07	JJH
Surrogates	Result	Units	Recover	ry Limits			
Decachlorobiphenyl	.05	mg/kg	62.5%	(30 - 150)			
Tetrachloro-m-xylene	.067	mg/kg	84.7%)	(30 - 131)			

Comments:

his sample was analyzed at a dilution in the 8082 PCB analysis due to the level of Aroclor detected. Reporting limits were adjusted accordingly. JJH 11/14/03

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Raymond J. Martrano

Laboratory Manager

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34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

Certificate of Analysis

November 14, 2003

Mr. Roger Myers SAIC 6310 Allentown Blvd. Harrisburg, PA 17112 Lab ID #: 250299004 Received: 11/12/03 19:10 Discard: 11/28/03

Page: 1 Of 1

PO#:

Project Name: HARLEY DAVIDSON C-BANK

ANALYTICAL

LABORATORY

Services, Inc.

Sample ID: South Wall 1-1	Matrix:	Solid
Date Collected: 11/12/03 17:58	Collected by:	Mr. Todd Eaby

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	Ву
WET CHEMISTRY							
Moisture .	16.9	8	0.1	SM18-2540 G	11/13/03 09:40		PAG
Total Solids	83.1	₽	0.1	SM18-2540 G	11/13/03 09:40		PAG
PCB'S							
Aroclor-1016	ND	mg/kg	0.382	SW846 8082	11/13/03 12:46	11/12/03	JJH
Aroclor-1221	ND	mg/kg	0.382	SW846 8082	11/13/03 12:46	11/12/03	JJH
Aroclor-1232	ND	mg/kg	0.382	SW846 8082	11/13/03 12:46	11/12/03	JJH
Aroclor-1242	ND	mg/kg	0.382	SW846 8082	11/13/03 12:46	11/12/03	JJH
Aroclor-1248	ND	mg/kg	0.382	SW846 8082	11/13/03 12:46	11/12/03	JJH
Aroclor-1254	ND	mg/kg	0.382	SW846 8082	11/13/03 12:46	11/12/03	JJH
Aroclor-1260	4.17	mg/kg	0.382	SW846 8082	11/13/03 12:46	11/12/03	JJH
Surrogates	Result	Units	Recover	ry Limits	·		
Decachlorobiphenyl	.06	mg/kg	74.8%	(30 - 150)			
Tetrachloro-m-xylene	.058	mg/kg	71.8%	(30 - 131)			

Comments:

his sample was analyzed at a dilution in the 8082 PCB analysis due to the level of Aroclor detected. Reporting limits were adjusted accordingly. JJH 11/14/03

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.



Certificate of Analysis

November 14, 2003

Mr. Roger Myers SAIC 6310 Allentown Blvd. Harrisburg, PA 17112 Lab ID #: **250299005** Received: 11/12/03 19:10 Discard: 11/28/03

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Page: 1 Of 1

PO#:

Project Name: HARLEY DAVIDSON C-BANK

Sample ID: South Wall 1-2Matrix: SolidDate Collected: 11/12/03 18:06Collected by: Mr. Todd Eaby

							_
Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	Ву
WET CHEMISTRY							
Moisture	18.1	8	0.1	SM18-2540 G	11/13/03 09:40		PAG
Total Solids	81.9	₽. ·	0.1	SM18-2540 G	11/13/03 09:40		PAG
PCB'S							
Aroclor-1016	ND	mg/kg	0.039	SW846 8082	11/13/03 02:19	11/12/03	CGS
Aroclor-1221	ND	mg/kg	0.039	SW846 8082	11/13/03 02:19	11/12/03	CGS
Aroclor-1232	ND	mg/kg	0.039	SW846 8082	11/13/03 02:19	11/12/03	CGS
Aroclor-1242	ND	mg/kg	0.039	SW846 8082	11/13/03 02:19	11/12/03	CGS
Aroclor-1248	ND	mg/kg	0.039	SW846 8082	11/13/03 02:19	11/12/03	CGS
Aroclor-1254	NĎ	mg/kg	0.039	SW846 8082	11/13/03 02:19	11/12/03	CGS
Aroclor-1260	0.265	mg/kg	0.039	SW846 8082	11/13/03 02:19	11/12/03	CGS
Surrogates	Result	Units	Recover	ry Limits			
Decachlorobiphenyl	.065	mg/kg	80.1%	(30 - 150)	I		
Tetrachloro-m-xylene	.063	mg/kg	77.5%	(30 - 131)	I Contraction of the second		

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Certificate of Analysis

November 14, 2003

Mr. Roger Myers SAIC 6310 Allentown Blvd. Harrisburg, PA 17112 Lab ID #: 250299006 Received: 11/12/03 19:10 Discard: 11/28/03

Page: 1 Of 1

PO#:

Project Name: HARLEY DAVIDSON C-BANK

ANALYTICAL

LABORATORY

Services, Inc.

	Sample ID:	South Wall 1-3	Matrix:	Soli	d	
Date	Collected:	11/12/03 18:14	Collected by:	Mr.	Todd	Eaby

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	Ву
WET CHEMISTRY				·			
Moisture	17.1	*	0.1	SM18-2540 G	11/13/03 09:40		PAG
Total Solids	82.9	8	0.1	SM18-2540 G	11/13/03 09:40		PAG
PCB'S							
Aroclor-1016	ND	mg/kg	0.039	SW846 8082	11/13/03 02:49	11/12/03	CGS
Aroclor-1221	ND	mg/kg	0.039	SW846 8082	11/13/03 02:49	11/12/03	CGS
Aroclor-1232	ND	mg/kg	0.039	SW846 8082	11/13/03 02:49	11/12/03	CGS
Aroclor-1242	NĎ	mg/kg	0.039	SW846 8082	11/13/03 02:49	11/12/03	CGS
Aroclor-1248	ND	mg/kg	0.039	SW846 8082	11/13/03 02:49	11/12/03	CGS
Aroclor-1254	ND	mg/kg	0.039	SW846 8082	11/13/03 02:49	11/12/03	CGS
Aroclor-1260	0.103	mg/kg	0.039	SW846 8082	11/13/03 02:49	11/12/03	CGS
Surrogates	Result	Units	Reçover	ry Limits			
Decachlorobiphenyl	.061	mg/kg	74.6%	(30 - 150)			
Tetrachloro-m-xylene	.05	mg/kg	61.4%	(30 - 131)			

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PA 22-293

NJ PA010 NY 11759

Certificate of Analysis

November 14, 2003

Lab ID#: 250299

PO#:

Mr. Roger Myers SAIC 6310 Allentown Blvd. Harrisburg, PA 17112

Project Name: HARLEY DAVIDSON C-BANK

ANALYTICAL

ABORATORY

ERVICES, INC.

This report relates only to the sample(s) as received by the laboratory. Laboratory reports may not be reproduced, except in full, without the written approval of the laboratory.

Qualifier Flags - These flags may follow individual results for a specific analyte

- U Indicates that the analyte was not detected J - Indicates an estimated value between method detection limit and the practical
- quantitation limit for the analyte E - Indicates an estimated value outside of the calibration range of the analysis
- B Indicates that the analyte was found in the method blank associated with the
- sample

A result of ND indicates that the analyte was Not Detected at the Reporting Detection Limit (RDL).

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If you have any questions in reference to this laboratory report, please contact your ALSI project coordinator or the laboratory manager listed at the bottom of this report at 717-944-5541.

Note: This document is included as part of the Analytical Report and must be retained as a permanent record thereof.

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Raymond J. Martrano Laboratory Manager

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34 Dogwood Lane - Middletown, PA 17057 Phone: 717-944-5541 Fax: 717-944-1430

Certificate of Analysis

November 19, 2003

Mr. Roger Myers SAIC 6310 Allentown Blvd. Harrisburg, PA 17112 Lab ID #: 250581001 Received: 11/14/03 17:05 Discard: 12/03/03

Page: 1 Of 1

PO#:

Project Name: HARLEY DAVIDSON C-BANK

Sample ID: SE-1 Matrix: Solid Date Collected: 11/14/03 11:00 Collected by: Ms. Stephanie Pulaski

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	Ву
WET CHEMISTRY							-
Moisture	16.5	8	0.1	SM18-2540 G	11/17/03 11:45		PAG
Total Solids	83.5	¥	0.1	SM18-2540 G	11/17/03 11:45		PAG
	9		÷				
PCB'S							
Aroclor-1016	ND	mg/kg	0.040	SW846 8082	11/14/03 23:31	11/14/03	CGS
Aroclor-1221	ND	mg/kg	0.040	SW846 8082	11/14/03 23:31	11/14/03	CGS
Aroclor-1232	ND	mg/kg	0.040	SW846 8082	11/14/03 23:31	11/14/03	CGS
Aroclor-1242	ND	mg/kg	0.040	SW846 8082	11/14/03 23:31	11/14/03	CGS
Aroclor-1248	ND	mg/kg	0.040	SW846 8082	11/14/03 23:31	11/14/03	CGS
Aroclor-1254	ND	mg/kg	0.040	SW846 8082	11/14/03 23:31	11/14/03	CGS
Aroclor-1260	0.142 V	mg/kg	0.040	SW846 8082	11/14/03 23:31	11/14/03	CGS
Surrogates	Result	Units	Recover	ry Limits			
Decachlorobiphenyl	.065	mg/kg	77.6%	(30 ~ 150)			
Tetrachloro-m-xylene	.071	mg/kg	84.9%	(30 - 131)			
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This report relates only to the sample as received by the laboratory, and may only be reproduced in full.









# Certificate of Analysis

November 19, 2003

Mr. Roger Myers SAIC 6310 Allentown Blvd. Harrisburg, PA 17112

Sample ID: NW-5

Date Collected: 11/14/03 11:05

Lab ID #: 250581002 Received: 11/14/03 17:05 Discard: 12/03/03

Page: 1 Of 1

Project Name: HARLEY DAVIDSON C-BANK

Matrix: Solid

**PO#**:

Collected by: Ms. Stephanie Pulaski

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	Ву
WET CHEMISTRY							-
Moisture	15.3	¥	0.1	SM18-2540 G	11/17/03 11:45		PAG
Total Solids	84.7	¥	0.1	SM18-2540 G	11/17/03 11:45		PAG
PCBIS							
Aroclor-1016	ND	mg/kg	0.039	SW846 8082	11/15/03 00-01	11/14/07	CCR
Aroclor-1221	ND	mg/kg	0.039	SW846 8082	11/15/03 00:01	11/14/03	CGS
Aroclor-1232	ND	mg/kg	0.039	SW846 8082	11/15/03 00:01	11/14/03	CGS
Aroclor-1242	ND	mg/kg	0.039	SW846 8082	11/15/03 00:01	11/14/03	CGS
Aroclor-1248	ND	mg/k <del>g</del>	0.039	SW846 8082	11/15/03 00:01	11/14/03	CGS
Aroclor-1254	ND	mg/kg	0.039	SW846 8082	11/15/03 00:01	11/14/03	CGS
Aroclor-1260	ND	mg/kg	0.039	SW846 8082	11/15/03 00:01	11/14/03	CGS
Surrogates	Result	Units	Recover	y Limits			
Decachlorobiphenyl	.065	mg/kg	78.2%	(30 - 150)			
Tetrachloro-m-xylene	.068	mg/kg	82.1%	(30 - 131)			

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# Certificate of Analysis

November 19, 2003

Mr. Roger Myers SAIC 6310 Allentown Blvd. Harrisburg, PA 17112 Lab ID #: 250581003 Received: 11/14/03 17:05 Discard: 12/03/03

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Page: 1 Of 1

PO#:

Project Name: HARLEY DAVIDSON C-BANK

Sample ID: SW-5Matrix: SolidDate Collected: 11/14/03 12:20Collected by: Ms. Stephanie Pulaski

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	Ву
WET CHEMISTRY							
Moisture	19.4	÷	0.1	SM18-2540 G	11/17/03 11:45		PAG
Total Solids	80.6	8	0.1	SM18-2540 G	11/17/03 11:45		PAG
PCB'S							
Aroclor-1016	ND	mg/kg	0.041	SW846 8082	11/15/03 00:31	11/14/03	CGS
Aroclor-1221	ND	mg/kg	0.041	SW846 8082	11/15/03 00:31	11/14/03	CGS
Aroclor-1232	ND	mg/kg	0.041	SW846 8082	11/15/03 00:31	11/14/03	CGS
Aroclor-1242	ND	mg/kg	0.041	SW846 8082	11/15/03 00:31	11/14/03	CGS
Aroclor-1248	ND	mg/kg	0.041	SW846 8082	11/15/03 00:31	11/14/03	ÇGŞ
Aroclor-1254	ND	mg/kg	0.041	SW846 8082	11/15/03 00:31	11/14/03	CGS
Aroclor-1260	ND	mg/kg	0.041	SW846 8082	11/15/03 00:31	11/14/03	CGS
Surrogates	Result	Units	Recover	ry Limits			
Decachlorobiphenyl	.07	mg/kg	84.7%	(30 - 150)			
Tetrachloro-m-xylene	.064	mg/kg	76.7%	(30 - 131)			

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# Certificate of Analysis

November 19, 2003

Mr. Roger Myers SAIC 6310 Allentown Blvd. Harrisburg, PA 17112 Lab ID #: 250581004 Received: 11/14/03 17:05 Discard: 12/03/03

Page: 1 Of 1

PO#:

Project Name: HARLEY DAVIDSON C-BANK

Sample ID: SW-1Matrix: SolidDate Collected: 11/14/03 14:30Collected by: Ms. Stephanie Pulaski

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	Ву
WET CHEMISTRY							
Moisture	16.3	¥	0.1	SM18-2540 G	11/17/03 11:45		PAG
Total Solids	83.7	8	0.1	SM18-2540 G	11/17/03 11:45		PAG
PCB'S							
Aroclor-1016	ND	mg/kg	38.6	SW846 8082	11/15/03 13:08	11/14/03	CGS
Aroclor-1221	ND	mg/kg	38.6	SW846 8082	11/15/03 13:08	11/14/03	ĊGS
Aroclor-1232	ND	mg/kg	38.6	SW846 8082	11/15/03 13:08	11/14/03	CGS
Aroclor-1242	ND	mg/kg	38.6	SW846 8082	11/15/03 13:08	11/14/03	CGS
Aroclor-1248	ND	mg/kg	38.6	SW846 8082	11/15/03 13:08	11/14/03	CG\$
Aroclor-1254	ND	mg/kg	38.6	SW846 8082	11/15/03 13:08	11/14/03	CGS
Aroclor-1260	614	mg/kg	38.6	SW846 8082	11/15/03 13:08	11/14/03	CGS
Surrogates	Result	Units	Recover	y Limits			
Decachlorobiphenyl	0	mg/kg	0.0%	(30 - 150)			
Tetrachloro-m-xylene	0	mg/kg	0.0%	(30 - 131)			

#### Comments:

This sample was analyzed at a dilution in the 8082 PCB - analysis due to the level of Aroclor detected. Reporting - limits were adjusted accordingly. One or more of the - surrogates could not be evaluated as a result of the - dilution.

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.





# Certificate of Analysis

November 19, 2003

Mr. Roger Myers SAIC 6310 Allentown Blvd. Harrisburg, PA 17112

Project Name: HARLEY DAVIDSON C-BANK

PO#:

Lab ID#: 250581

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Qualifier Flags - These flags may follow individual results for a specific analyte

- U Indicates that the analyte was not detected
- J Indicates an estimated value between method detection limit and the practical quantitation limit for the analyte
- E Indicates an estimated value outside of the calibration range of the analysis
- B Indicates that the analyte was found in the method blank associated with the sample

A result of ND indicates that the analyte was Not Detected at the Reporting Detection Limit (RDL).

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If you have any questions in reference to this laboratory report, please contact your ALSI project coordinator or the laboratory manager listed at the bottom of this report at 717-944-5541.

Note: This document is included as part of the Analytical Report and must be retained as a permanent record thereof.

Raymond J. Martrano Laboratory Manager

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Environmental + Industrial Hygiene + Field Services         A Dogwood Lane • Middletown, PA 17057 • 717,944.5541 • Fax: 717,944.1430         A Dogwood Lane • Middletown, PA 17057 • 717,944.5541 • Fax: 717,944.1430         A Dogwood Lane • Middletown, PA 17057 • 717,944.5541 • Fax: 717,944.1430         A Dogwood Lane • Middletown, PA 17057 • 717,944.5541 • Fax: 717,944.1430         A Dogwood Lane • Middletown, PA 17057 • 717,944.5541 • Fax: 717,944.1430         A Dogwood Lane • Middletown, PA 17057 • 717,944.5541 • Fax: 717,944.1430         Container       Type         I Utor Vou • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100 • 100	<b>REQUEST FOR ANALYSI</b>	S ALSI Quote #	
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dress: 6310 Allectum Blud Preservative			RECEIVING INFORMATION (completed by the Receiving Lab)
mtact: Rog ビ My ビイ one #:			COOLER TEMP.: SEAL INTACT? Y or
ntact: Rog & Myers one#:			SHIPPING CARRIERINO.
one #:	ANALYSES/METHOD REQUE	STED	PROJECT INFORMATION
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# Certificate of Analysis

November 19, 2003

Mr. Roger Myers SAIC 6310 Allentown Blvd. Harrisburg, PA 17112 Lab ID #: 250681001 Received: 11/17/03 17:36 Discard: 12/03/03

Page: 1 Of 1

Project Name: HARLEY DAVIDSON C-BANK

PO#: 01-1633-00-1769-500

Sample ID: SW-5B Date Collected: 11/17/03 11:05 Matrix: Solid

Collected by: Ms. Stephanie Pulaski

Analysis Parameter	Result	Units	RDL	Method	Completed	Prep Date	Ву
WET CHEMISTRY							
Moisture	19.0	<del>S</del>	0.1	SM18-2540 G	11/18/03 09:50		KMW
Total Solids	81.0	¥	0.1	SM18-2540 G	11/18/03 09:50		KMW
PCB'S							
Aroclor-1016	ND	mg/kg	0.041	SW846 8082	11/17/03 22:39	11/17/03	JJH
Aroclor-1221	ND	mg/kg	0.041	SW846 8082	11/17/03 22:39	11/17/03	JJH
Aroclor-1232	ND	mg/kg	0.041	SW846 8082	11/17/03 22:39	11/17/03	JJH
Aroclor-1242	ND	mg/kg	0.041	SW846 8082	11/17/03 22:39	11/17/03	JJH
Aroclor-1248	ND	mg/kg	0.041	SW846 8082	11/17/03 22:39	11/17/03	JJH
Aroclor-1254	NĎ	mg/kg	0.041	SW846 8082	11/17/03 22:39	11/17/03	JJH
Aroclor-1260	ND	mg/kg	0.041	SW846 8082	11/17/03 22:39	11/17/03	JJH
Surrogates	Result	Units	Recover	ry Limits			
Decachlorobiphenyl	.073	mg/kg	88.3%	(30 - 150)			
Tetrachloro-m-xylene	.063	mg/kg	76.1%	(30 - 131)			

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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### Certificate of Analysis

November 19, 2003

Lab ID#: 250681

Mr. Roger Myers SAIC 6310 Allentown Blvd. Harrisburg, PA 17112

Project Name: HARLEY DAVIDSON C-BANK

PO#: 01-1633-00-1769-500

This report relates only to the sample(s) as received by the laboratory. Laboratory reports may not be reproduced, except in full, without the written approval of the laboratory.

Qualifier Flags - These flags may follow individual results for a specific analyte U - Indicates that the analyte was not detected

- J Indicates an estimated value between method detection limit and the practical quantitation limit for the analyte
- E Indicates an estimated value outside of the calibration range of the analysis
- B Indicates that the analyte was found in the method blank associated with the sample

A result of ND indicates that the analyte was Not Detected at the Reporting Detection Limit (RDL).

ALSI is a NELAC accredited laboratory. ALSI certifies that all applicable test results meet the requirements of NELAC. For an inventory of our NELAC accreditations and Scope of Work please visit our website at <u>www.analyticallab.com</u> or contact your Project Manager at (717)944-5541 for a complete listing.

If you have any questions in reference to this laboratory report, please contact your ALSI project coordinator or the laboratory manager listed at the bottom of this report at 717-944-5541.

Note: This document is included as part of the Analytical Report and must be retained as a permanent record thereof.

K.)

Raymond J. Martrano Laboratory Manager

# **APPENDIX B**

# WASTE MANIFESTS

Science Applications International Corporation

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MODERN LANDFILL	f Site Permit No. 100113
York, PA 17402	Document Refer NO 02 28 58 5
(717) 246-2686	
NON-HAZARDOUS WASTE	: MANIFEST
1. Generator of Waste (must be filled in by producer) EPA I.D. NO.:	<u>PADO01634691</u> PODCHAN BUG
Bick-up Address: 1425 Eden Road	York $PA = 17403$
(No.) (Street)	(City) (State) (Zip Code)
Telephone Number: (717) 852-6544	SIC No.:
Waste Stream Identification: This manifest represents	a non-hazardous waste as per
E.F.A. and FA D.E.P. Tegulations.	
Tons:Cubic Yards:	Other (Specify):
Special Handling Instructions, if any:	
MODERN ID NO.: 2072735 2/35	
2. Contractor: Address:	O(Name and Title)
3. Hauler of Waste (must be filled-in by hauler) EPA I.D. No.: <u>F</u> COMPANY NAME: <u>Envirite of Pennsylvania</u>	AD010154045 PHONE: (717) 846-1900
ADDRESS 730 Vogelsong Road, York, PA	Vehicle Lic No: $PE_{-75} 49$
The above described waste was picked up and hauled by me to accepted. I certify under penalty of perjury that the foregoing is to	the disposal facility named below and was rue and corrects
4.7 Disposer of waster (must be tilled in by disposer)	
Site Location: 2400:MCPIsgan Hot York: Pennsylvanias1/402 Waste subject to this manifest was delivered by the above hauler	to this disposal facility and accepted on
Signature of authorized agent and fitle:	(DISPOSAL DATE)
White: Green Canary = Landfill Streen Haule	Golden Rod - Generator

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Site Permit No. 100113

Document Refer No 0228656

York, PA 17402 (717) 246-2686

MODERN LANDFILL 4400 Mt. Pisgah Rd.

1.	Generator of Waste (must be fill	ed in by producer) EPA I.D. NO.:	-PADOC1543691_	PROCHERGY
	Company Name (Print or Type):	Harley Davidso	n Inc. Mire comme	Cornerty in
	Pick-un Address:	1425 Eden Road	York PA	17403
	(No.)	(Street)	(City)	(State) (Zip Coc
	Telephone Number: (	717) 852-6544	SIC No.:	· · · · · · · · · · · · · · · · · · ·
	Waste Stream Identification:	This manifest represents a n	on-hazardous waste as per	
	E.P.A. and PA D.E.P. regula	tions.		
	Tons:	Cubic Yards:	Other (Specify):	
	Special Handling Instructions, it			· ·
	Special nationing instructions, in	any		· · ·
	· · · · · · · · · · · · · · · · · · ·			···· ·
	MODERN ID NO.: 207	17J1		
are the	e in proper condition for transport e transporter named. I certify that	ation according to applicable state the foregoing is true and correct to	and federal law. The wastes w the best of my knowledge.	vere consigned to
Da	t8: <u>////////////////////////////////////</u>	Signature: <u>Cupul</u>	(Name and Title)	Cycracell.
2.	Contractor:		the second states of the second se	
	Address:			
	Contact:		Phone:	
	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	in by heuler) EPAID No · P		
3.	<ul> <li>Hauler of Waste (must be filled-</li> </ul>		NDV-10104040	1
3.	Hauler of Waste (must be filled- COMPANY NAME: Enviri	te of Pennsylvania	PHONE: (717) 84	6-1900
3.	Hauler of Waste (must be filled- COMPANY NAME: <u>Enviri</u>	te of Pennsylvania gelsong Road York, PA	_ PHONE:(717) 84	6-1900
3.	Hauler of Waste (must be filled- COMPANY NAME: Enviri ADDRESS: 730 Yo	te of Pennsylvania gelsong Road York, PA	_ PHONE:(717) 84 17404 Vehicle Lic: No.: ΔE -	5-1900 75249 V
3.	Hauler of Waste (must be filled- COMPANY NAME: Enviri ADDRESS: 730 Yo Pick-up Date: //////	te of Pennsylvania gelsong Road York, PA Truck No. 633717	_ PHONE:(717) 84 17404 _ Vehicle Lic: No.:A_F	5-1900 75249-1
3.	Hauler of Waste (must be filled- COMPANY NAME:	te of Pennsylvania gelsong Road York, PA Truck No. 6337/7 spicked up and hauled by me to th	_ PHONE:(717) 84 17404 Vehicle Lic: No.:A	6-1900 フ <u>ラ ラ イ</u> タ ow and was <b>1</b>
3.	Hauler of Waste (must be filled- COMPANY NAME: <u>Enviri</u> ADDRESS: <u>730 vo</u> Pick-up Date: <u>11/14/0</u> The above described waste wa accepted. I certify under penalt	te of Pennsylvania gelsong Road York, PA Truck No. 6337/7 spicked up and hauled by me to th y of perjury that the foregoing is true	PHONE: <u>(717) 84</u> <u>17404</u> Vehicle Lic: No.: <u>AE</u> e disposal facility named belo and correct.	5-1900 752494
3.	Hauler of Waste (must be filled- COMPANY NAME: Enviri ADDRESS: 730 Yo Pick-up Date: /////// The above described waste wa accepted. I certify under penalt	te of Pennsylvania gelsong Road York, PA Truck No.: 653-777 spicked up and hauled by me to th y of perjury that the foregoing is true inditile	PHONE: (717) 84 17404 Vehicle Lic: No.: A.E e disposal facility named belo and correct:	5-1900 75249 ow and was te <u>914/14/03</u>
3.	Hauler of Waste (must be filled- COMPANY NAME:	te of Pennsylvania gelsong Road York, PA Truck No. 653777 spicked up and hauled by me to the y of perjury that the foregoing is true inditile	PHONE: (717) 84 17404 Vehicle Lic: No.: A.F e disposal facility named belo and correct:	6-1900 75249 w and was w <i>and was</i>
3.	Hauler of Waste (must be filled- COMPANY NAME: <u>Enviri</u> ADDRESS: <u>730 Vo</u> Pick-up Date: <u>1/14/0</u> The above described waste wa accepted. I certify under penalt Signature of authorized agent a	te of Pennsylvania gelsong Road York, PA Truck No. 6337/7 spicked up and hauled by me to th y of perjury that the foregoing is true ind title	PHONE: <u>(717) 84</u> <u>17404</u> Vehicle Lic: No.: <u>AF</u> e disposal facility named belo and correct: Da	5-1900 75249 w and was te
3.	Hauler of Waste (must be filled- COMPANY NAME: <u>Enviri</u> ADDRESS: <u>730 Vo</u> Pick-up Date: <u>//////</u> The above described waste wa accepted. I certify under penalt Signature of authorized agent a Disposer.of.Waste (must be fille Company Name (Print of avpe)	te of Pennsylvania gelsong Road York, PA Truck No. 653-777 spicked up and hauled by me to the y of perjury that the foregoing is true ind title defin(by,disposer). Modern Eandfill	PHONE: (717) 84 17404 Vehicle Lic: No.: A.F e disposal facility named belo and correct: TDa	5-1900 75249 w and was te <u>w//4/cs</u>
3.	Hauler of Waste (must be filled- COMPANY NAME: <u>Enviri</u> ADDRESS: <u>730 Vo</u> Pick-up Date: <u>11/14/c</u> The above described waste wa accepted. I certify under penalt Signature of authorized agent a Disposer of Waste (must be fille Company Name (Print or Type) Site Location. <u>4400 ME:Pisgal</u>	te of Pennsylvania gelsong Road York, PA Truck No.: 5337/7 s picked up and hauled by me to the y of perjury that the foregoing is truck ind title Addin Loydisposer) Modern Landfill Rd: York: Pennsylvania 17402	PHONE: (717) 84 17404 Vehicle Lic: No.: AF - e disposal facility named belo and correct: TDa	5-1900 75249 w and was te <u>41/14/03</u>
3.	Hauler of Waste (must be filled- COMPANY NAME: Enviri ADDRESS: 730 Yo Pick-up Date: /////// The above described waste wa accepted. I certify under penalt Signature of authorized agent a Disposer of Waste (must be fille Company Name (Print or type) Site Location: 4400 Mt. Pisgah Waste subject to this manifest w	te of Pennsylvania gelsong Road York, PA Truck No.: 533777 spicked up and hauled by me to the y of perjury that the foregoing is true inditile Modern Landfill Rd. York: Pennsylvania: 17402 vas delivered by the above hauler to	PHONE: (717) 84 17404 Vehicle Lic: No.: AF - e disposal facility named belo and correct: Da below this disposal facility and acc	5-1900 75249 ow and was te <u>21/14/03</u> septed on
	Hauler of Waste (must be filled- COMPANY NAME: <u>Enviri</u> ADDRESS: <u>730 Vo</u> Pick-up Date: <u>11/14/0</u> The above described waste wa accepted. I certify under penalt Signature of authorized agents Disposer of Waste (must be fille Company: Name (Print or itype) Site Location: <u>4400 Mt Pisga</u> Waste subject to this manifest v	te of Pennsylvania gelsong Road York, PA Truck No. 533777 spicked up and hauled by me to the yof perjury that the foregoing is true ind title Additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional additional ad	PHONE: (717) 84 17404 Vehicle Lic: No.: A.E e disposal facility named belo and correct: TDa this disposal facility and acc	5-1900 75249 w and was te <u>4//4/65</u> epted on (DISPOSAL DAT

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York, PA 17402 (717) 246-2686				Document Re	efer <b>NO</b> 02	28657
(,		NON-HAZARDOL	JS WASTE MA	NIFEST		
1. Generator of Waste	e (must be fille	d in by producer) EP/	A I.D. NO.:	-PAD0016436	91- PADCI	01-11-14
Company Name (P	rint or Type): _	Harley	Davidson -	Inc. Hydre	AND A CO	er turis T
Pick-up Address: _	(No.) (S	1425 Eden R Street)	oad	(City)	PA (State)	17403 (Zip Code
Telephone Number	:(7	17) 852-6544		SIC No.	**	
Waste Stream Iden	tification:	This manifest re	epresents a noi	n-hazardous waste	as per	· · · · · · · · · · · · · · · · · · ·
E.P.A. and PA	D.E.P. regulation	ons.		· · · · ·		
Tons:		Cubic Yards:	·	Other (Spec	cify):	
Special Handling In	nstructions, if a	any:				
					· · · · · · · · · · · · · · · · · · ·	
MODERN ID NO .:	20	717J1			•	
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	Pick-up Address:(No.)	(Street)	(City)	<u>A 17403</u> (State) (Zip Code)
	Telephone Number:	(717) 852-6544	SIC No 1	
	Waste Stream Identification:	This manifest represents	a non-hazardous waste as p	ber
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# Receipt of Materials Auto New York Here

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