US ERA ARCHIVE DOCUMENT



Solutia Inc.

575 Maryville Centre Drive St. Louis, Missouri 63141

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December 11, 2009

Mr. Kenneth Bardo – LU-9J U.S. EPA Region V Corrective Action Section 77 West Jackson Boulevard Chicago, IL 60604-3507 **VIA FEDEX**

Re:

Interim Construction Completion Report

Remediation of PCBs in Soils

Solutia Inc., W.G. Krummrich Plant, Sauget, IL

Dear Mr. Bardo:

Enclosed please find one paper copy and one CD of the subject report. If you have any questions or comments, please contact me at (314) 674-3312 or gmrina@solutia.com.

Sincerely,

Gerald M. Rinaldi

Manager, Remediation Services

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Enclosures

DISTRIBUTION LIST

Interim Construction Completion Report Remediation of PCBs in Soils Solutia Inc., W.G. Krummrich Plant, Sauget, IL

U.S. EPA

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* Paper copy and CD

** CD only

INTERIM CONSTRUCTION COMPLETION REPORT REMEDIATION OF PCBs IN SOILS ON THE SOLUTIA W. G. KRUMMRICH PLANT SAUGET, ILLINOIS

Submitted To:

U.S. Environmental Protection Agency Region 5 77 West Jackson Blvd. Chicago, Illinois

December 2009

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1. Introduction and Background

This document presents the Interim Construction Completion Report (CCR) for remediation activities associated with on-site soils containing PCBs at the Solutia Inc. (Solutia) W.G. Krummrich facility in Sauget, Illinois ("the Plant", or "the Site"). The need for investigation and corrective action was identified in the "Final Decision and Response to Comments for Solutia Inc., Sauget, Illinois, U.S. EPA No. ILD 000 802 702" (Final Decision) that was issued by the U.S. Environmental Protection Agency (USEPA) on February 26, 2008, and received by Solutia on February 28, 2008. Per the Final Decision, Solutia was to remediate PCBs in soils at select areas (refer to Figure 1), namely the Former PCB Warehouse, North Tank Farm, Former Spent Carbon Tank, Parcel 8 (sample location S0715), and the Former Chlorobenzene and Benzene Storage Area (sample locations S0607, S0608, S0609, and CT-1), by February 28, 2009.

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As part of characterization of the locations listed above, it was necessary to conduct numerous mobilizations to the Site to delineate the extent of PCBs in soils, including collection of soil samples on properties immediately adjacent to Solutia's western and southern property boundaries (Illinois Department of Transportation (IDOT) and Alton & Southern Railway Company (Alton & Southern), respectively). Upon completion of onsite characterization activities, and due to delays related to negotiation of off-site characterization and remediation targets (which as of the submittal date of this report was still not completed), Solutia elected to proceed with on-site remediation activities. In an October 22, 2009 letter, Solutia requested a December 31, 2009, submittal date for this Interim CCR and an October 28, 2010, submittal date for the comprehensive CCR (including remaining on-site and off-site remediation). Solutia's requests were approved by the USEPA in its November 9, 2009, correspondence.

2. Results And Remedial Actions

The on-site remedial approach was to excavate PCB-containing soils and transport them to an appropriate disposal facility. Following excavation activities, all areas where

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In order to perform the remediation, various activities were followed in sequence including pre-excavation, excavation, backfill, and paving. Each of these activities followed general site and project-specific health and safety requirements. Remedial activities were initiated on September 8 and completed on November 23, 2009.

2.1 Pre-Excavation

The following pre-excavation work was conducted prior to commencing excavation:

- A waste profile was forwarded to, and subsequently approved by, the Chemical Waste Management, Inc. (CWM) facility in Emelle, Alabama.
- A Construction Plan was developed by Solutia and Solutia's excavation contractor outlining the procedures for excavation and backfilling activities.

2.2 Excavation

Excavation activities were initiated once all site preparation and appropriate health and safety measures were in place. At each excavation area, a temporary decontamination pad (consisting of plastic sheeting secured to wooden planks) was constructed to collect any spillage during loading. When excavation was complete in an area, the plastic sheeting was removed from the planks, folded to ensure no material on the sheeting was spilled, and placed in a truck for disposal. At the end of each work day, barricades and fencing were used to isolate excavation areas that had not yet been backfilled.

3

Soils were excavated using a Caterpillar model 330 trackhoe. Excavated soils were loaded directly into dump-trailers for transport to CWM. Each trailer was covered with a tarp prior to leaving the loading area and all loads were transported under manifest to the disposal facility. Copies of the completed manifests are provided in Attachment A.

2.3 Backfill

Upon completion of excavation activities at each area, backfill was placed in each excavation and compacted by running the trackhoe over the area. Two types of backfill material were used:

- Soil that formed a berm around a former above-ground storage tank at the Plant.
 Prior to any of this material being used as backfill, three grab samples were collected and submitted for analysis of PCBs, pH, moisture content, volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs).
- One-inch crushed limestone imported from a local quarry. Prior to importing this
 material, five samples were collected from the quarry stockpile and submitted for
 laboratory analysis of VOCs plus gasoline range organics (GRO) and SVOCs plus
 diesel range organics (DRO).

Copies of the results of laboratory analysis for all backfill material samples are provided in Attachment B. It should be noted samples not associated with the on-site backfill material were also included on that chain of custody. Attachment B includes only the results associated with the backfill samples, designated as follows:

- WGK09-LIT MO-C;
- WGK09-LIT MO-N;

- WGK09-LIT MO-S;
- WGK09-LIT MO-E; and
- WGK09-LIT MO-W.

2.4 Paving

While excavation activities were on-going, Solutia selected a paving contractor to place six inches of asphalt cover as detailed on the figures provided in Solutia's August 31, 2009, correspondence. Paving activities commenced on September 30 and were completed on November 23, 2009. Following grading activities, four inches of asphalt base course (Missouri Department of Transportation (MODOT) Bit Base (205-BB08-1)) was placed, followed by four inches of surface course (MODOT BP-2 (219-BP08-3)). A total of eight inches of asphalt was put down so that, when compacted with a roller, the finished thickness would be at least six inches. Thickness measurements were taken at various locations during paving activities to ensure a minimum final thickness of six inches. Approximately 5,450 tons of asphalt were placed over the excavated areas and areas where remaining soils contained PCB concentrations greater than 25 ppm. Upon completion of paving activities, a rock "skirt" was placed around each paved area, tapering from the pavement height to the surrounding surface, in order to prevent erosion of the asphalt edges. Paving boundaries are detailed on the attached figures.

Photo documentation of all excavation, backfill and paving activities is provided in Attachment C.

No new paving was added in the areas of borings B-39 and B-40 at the North Tank Farm location. As shown in Attachment C, these samples were collected from borings located inside a concrete tank containment area. The containment area currently contains four above-ground storage tanks, two of which are idle and two of which are used in Plant processes. Because the area where borings B-39 and B-40 were collected is already covered by the tank containment, it was not necessary to provide additional cover.

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2.5 Post-Excavation/Paving Activities

will then complete paving activities in the S0607 area.

2.5.1 Striping and Signage

Following completion of paving activities, a pavement striping contractor was selected to outline and "cross-hatch" each paved area to alert Plant personnel. In addition, signs stating "PCB REMEDIATION AREA – CONTACT ESH BEFORE DIGGING" (ESH is the acronym for the Plant's Environment, Safety and Health Department) were placed at each area.

2.5.2 Surveying and Institutional Controls

Solutia contracted with a local surveying company licensed in the State of Illinois to provide as-built surveys and legal descriptions of each paving area. This survey information (presented in Attachment D) will be recorded as an amendment to the existing Environmental Land Use Control (ELUC), recorded April 30, 2009, with the St. Clair County Recorder of Deeds, to document the PCB paving areas. Recording of the PCB paving areas on the ELUC document will occur on or before April 30, 2010.

2.5.3 Cover Maintenance

The engineered barriers (i.e., PCB paving areas) are intended to ensure protection of human health and the environment. Excavated areas and areas where remaining PCB concentrations exceed 25 ppm are covered with a minimum of six inches of asphalt, excluding the North Tank Farm, where soil samples containing PCBs greater than 25

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Maintenance procedures for the PCB paving areas will include the following:

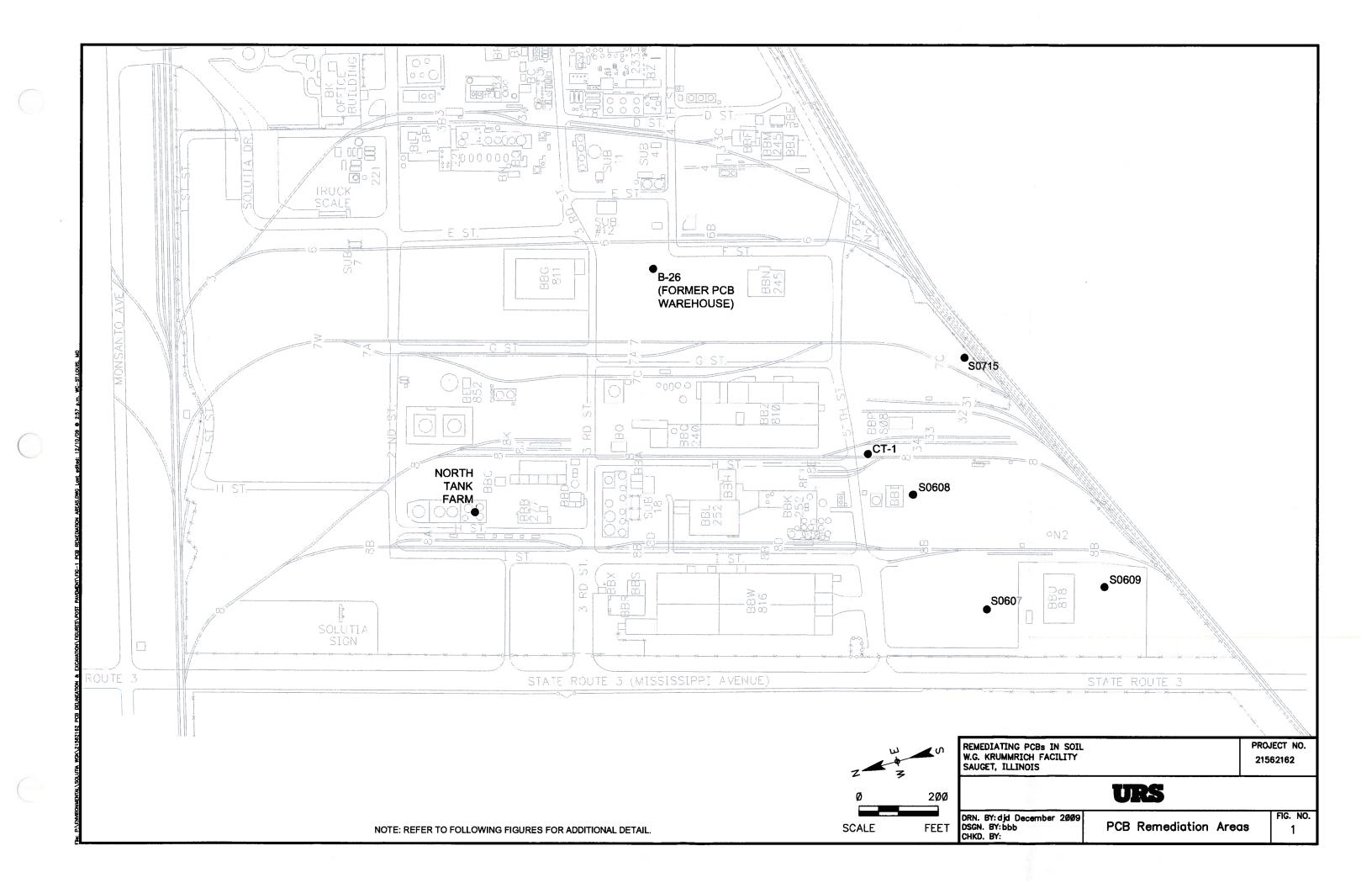
- Annual inspections for structural integrity, settlement, erosion, and cracking;
- Performance of repairs as required; and
- Completion of inspection logs.

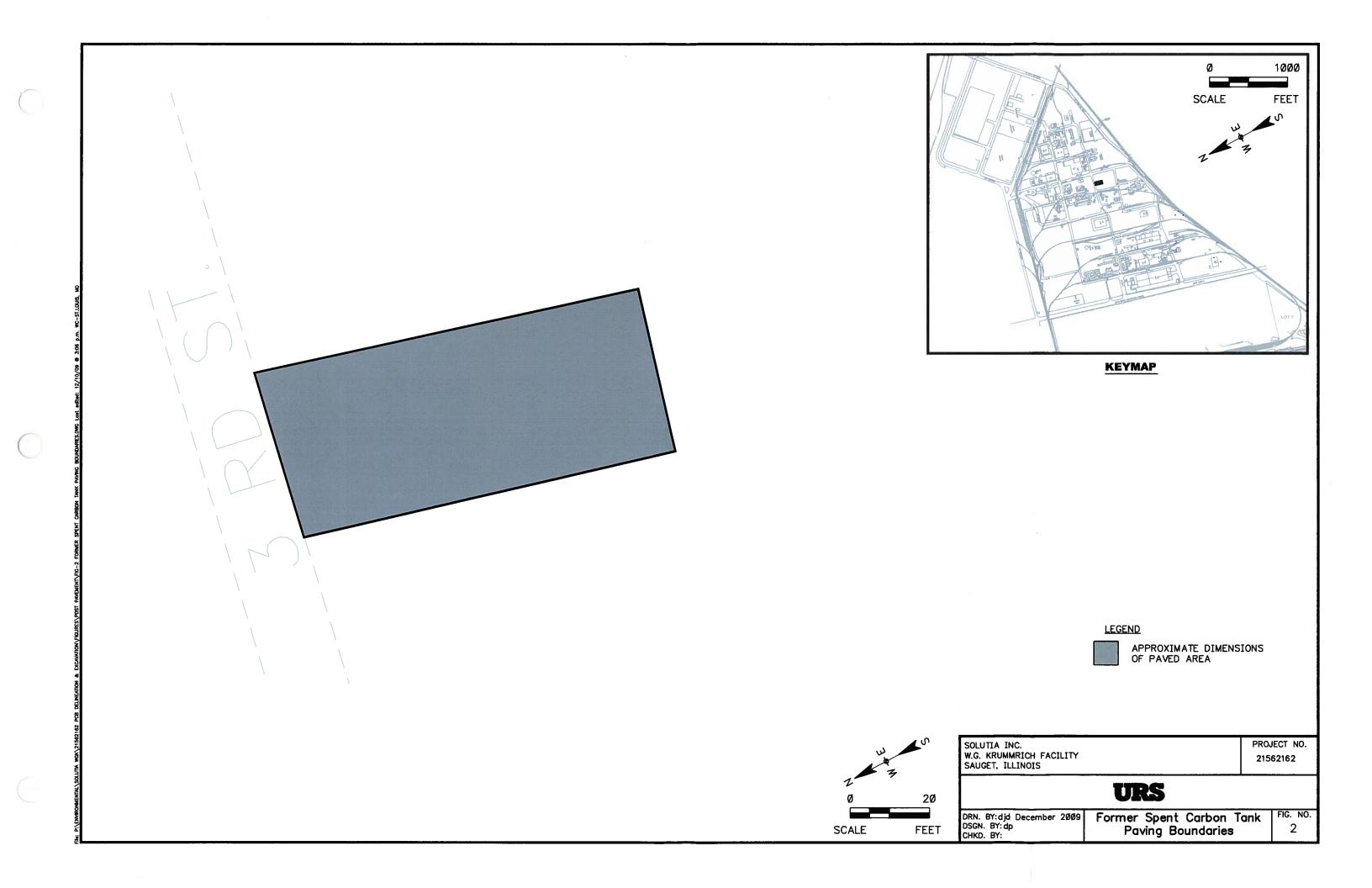
The first inspection will be performed approximately one year after completion of paving activities, i.e., November 2010. Required repairs will be made by qualified personnel and recorded on inspection log sheets that will be maintained in on-site files. A copy of the inspection log is included as Attachment E.

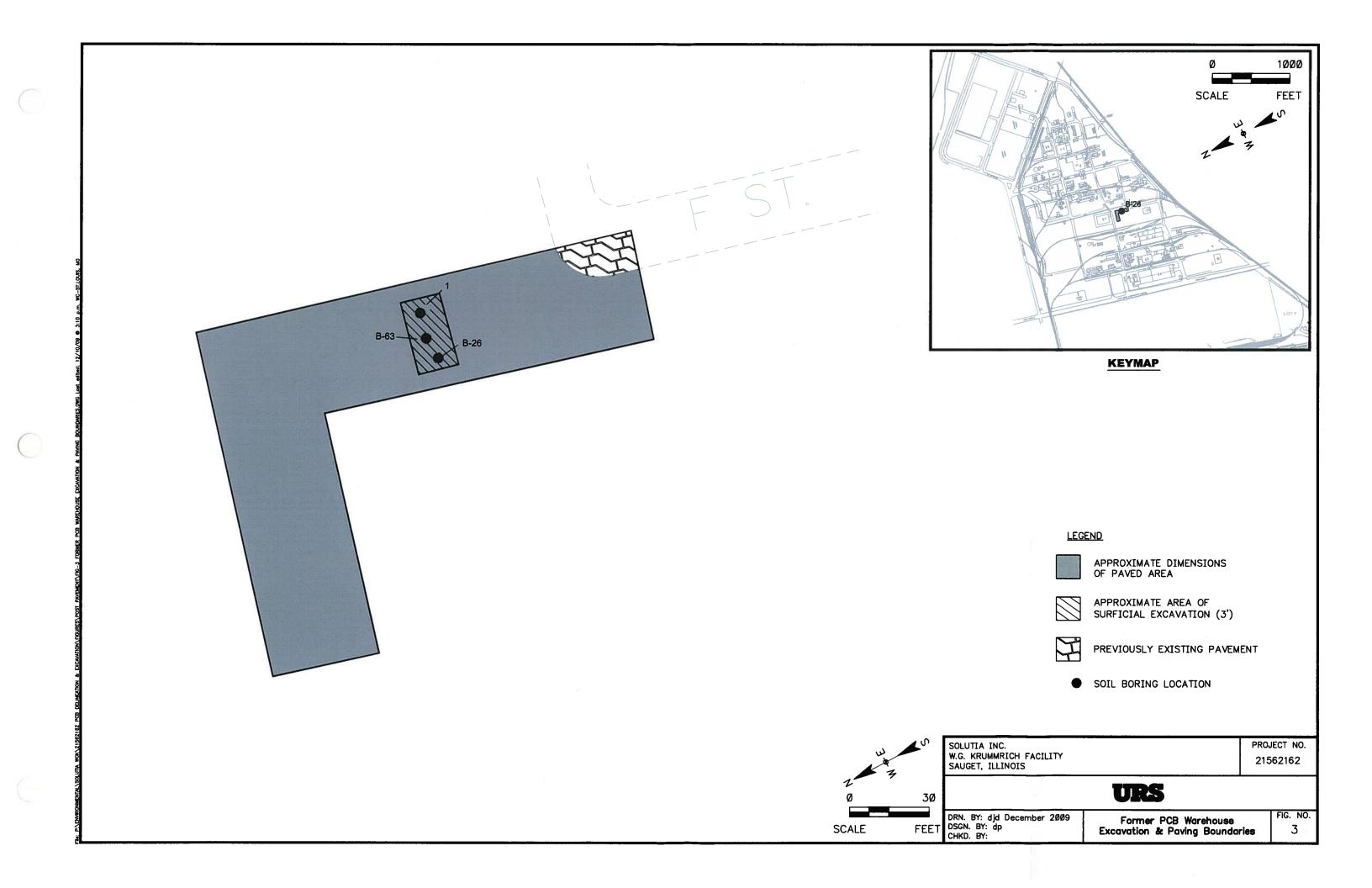
3.0 Off-Site Activities

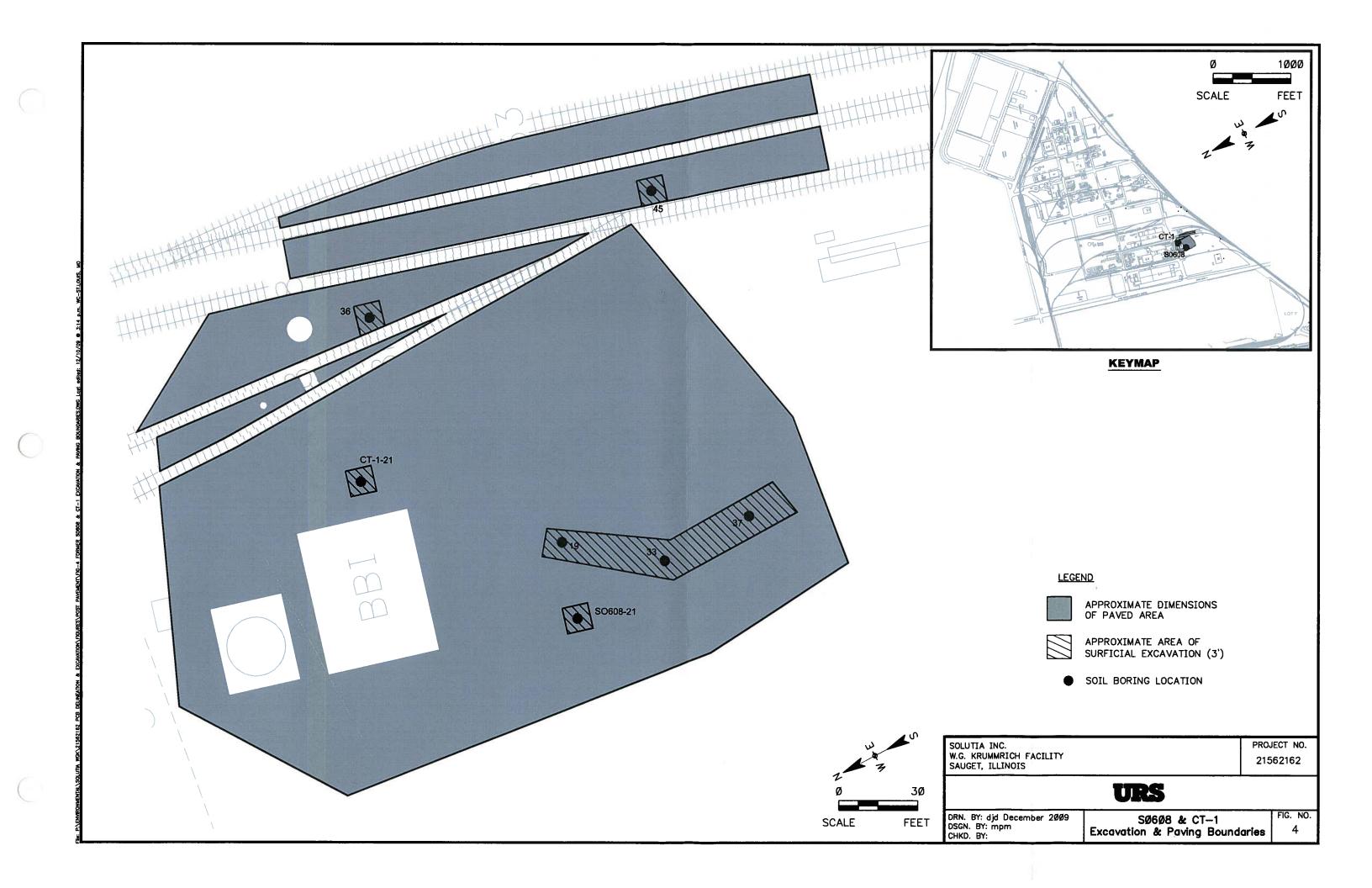
As previously stated, negotiations with off-site property owners (IDOT and Alton & Southern) are ongoing. Once characterization and remediation targets are agreed upon, Solutia will commence with additional off-site sampling (as necessary) and remediation activities. Upon completion of these activities, and additional paving at the S0607 area, Solutia will prepare a comprehensive Construction Completion Report, detailing all activities related to PCBs in soils at the Plant and including a Remedy Certification Station by the Solutia Project Manager. As discussed previously in this report, as of this writing the comprehensive Construction Completion Report is scheduled to be submitted on or before October 28, 2010.

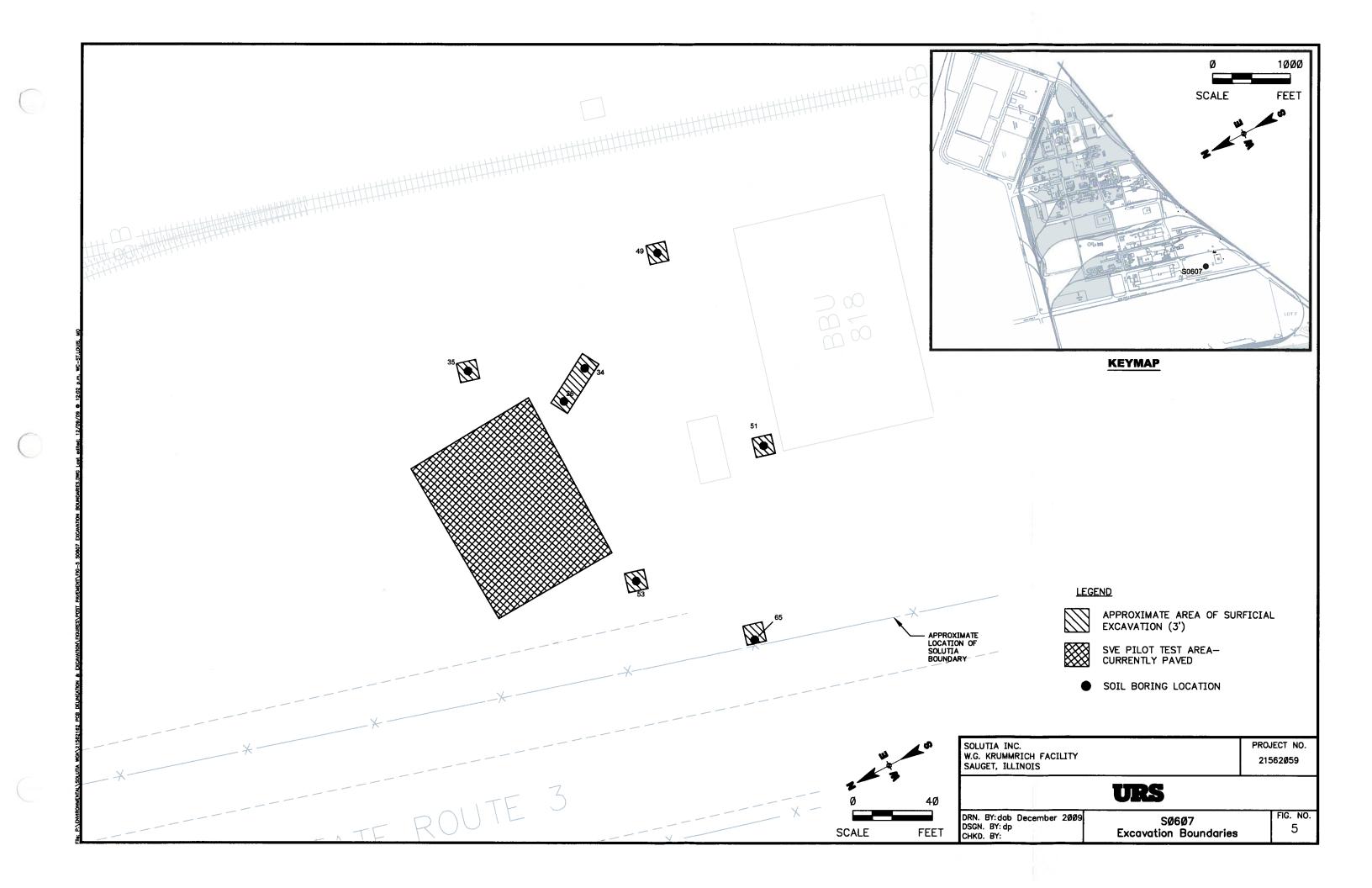
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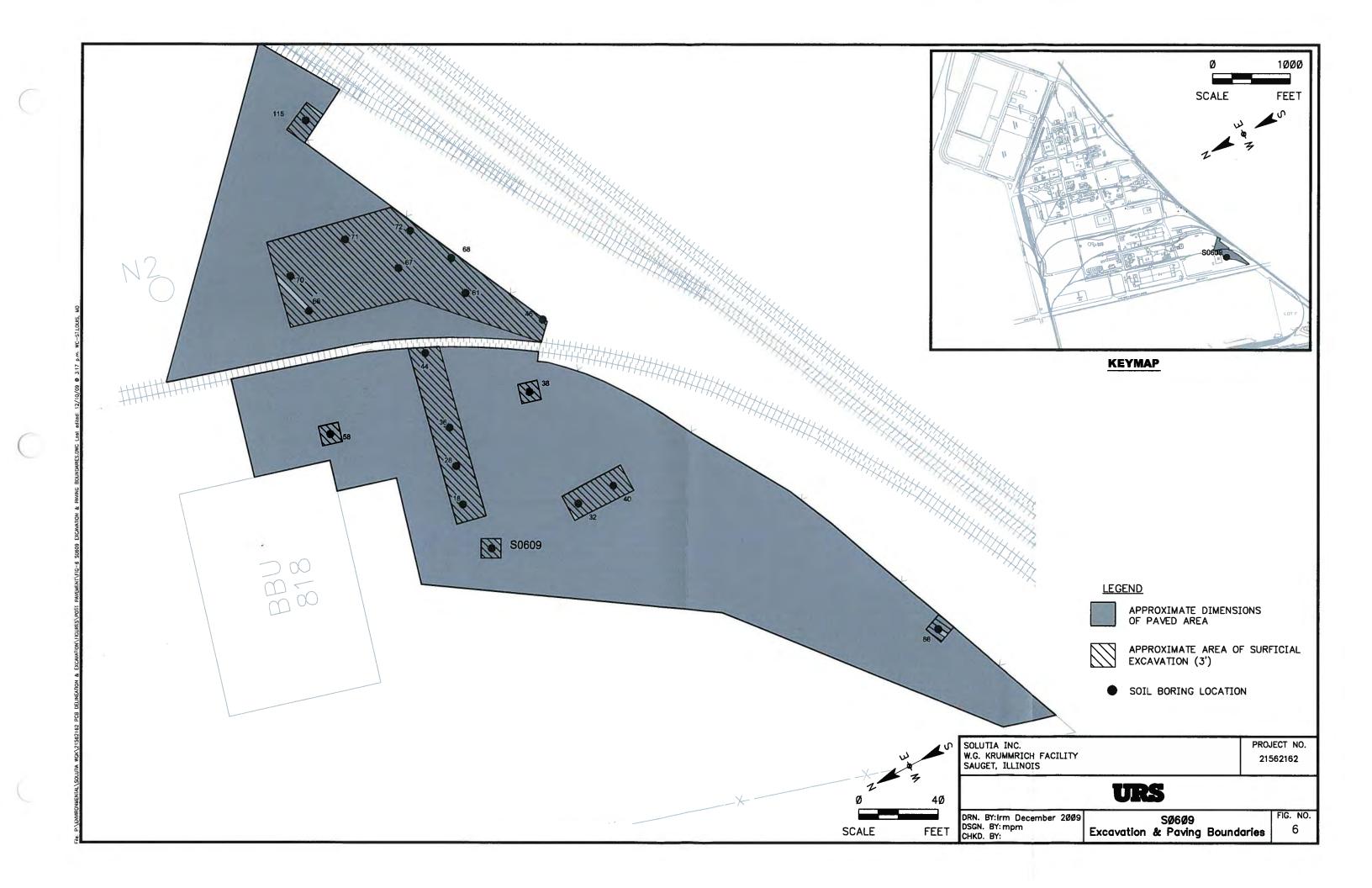


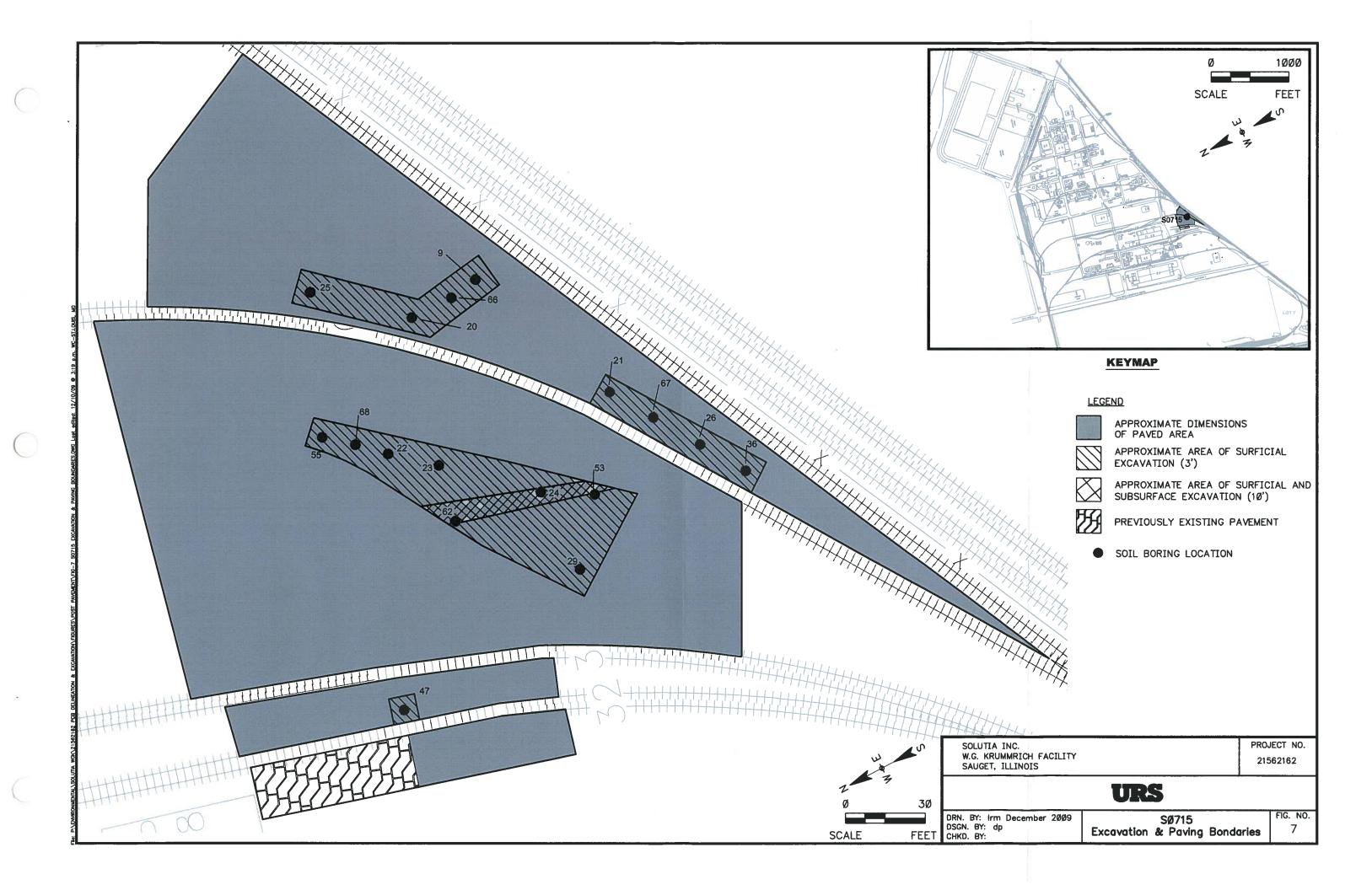












ATTACHMENT A

WASTE MANIFESTS



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↑ UN	IFORM HAZARDOUS 1. G	for use on elite (12-pitch) typewriter.) Generator ID Number	2. Page 1 of 3. Emerg	18-10-17-18-18-18-18-18-18-18-18-18-18-18-18-18-		4. Manifest	Tracking N			
	WASTE MANIFEST Generator's Name and Mailing Ad	ILD000802702	Generator	's Site Address		than mailing addres	009	453	84	GBF
Ger	575 MARYVILL ST LOUIS MO nerator's Phone:	(ÅTTM. BILL JOHNSON) LE CENTRE DRIVE (Å15/271-5835		SOLUT	TA INC	RICH PLAN		137		
6. T	ransporter 1 Company Name					U.S. EPA ID N		001352	36	
7. T	ransporter 2 Company Name					U.S. EPA ID N				
8. 0	Designated Facility Name and Site	e Address				U.S. EPA ID N	lumber	7		
Fac	ility's Phone.	CHEMICAL WAS HIGHWAY 17 N EMELLE AL 364	STE MANAGEMENT ORTH, MILE MARK 80	, INC. ER 163		1	ALD	000822	484	
9a.	9b. U.S. DOT Description (in	cluding Proper Shipping Name, Hazard Class, ID	Number,	10. Contain	ers Type	11. Total Quantity	12. Unit Wt./Vol.	13.	Waste Cod	les
1		ORINATED BIPHENYLS, SC		001	DT	13000	K	ala		
GENERATOR	2.		AL185914			22372	am	9/9/	9	
	3.									
										-
-	4.						-	-		2
				1 9					-	-
14.	Special Handling Instructions and	Additional Information			_					
	marked and labeled/placarded,	CERTIFICATION: I hereby declare that the contert and are in all respects in proper condition for transents of this consignment conform to the terms of the	sport according to applicable intern	ational and natio	cribed abov	re by the proper ship mental regulations.	pping name	e, and are cla ipment and I	ssified, pac am the Prir	kaged,
Gen	I certify that the waste minimizal arator's/Offeror's Printed/Typed	tion statement identified in 40 CFR 262.27(a) (if I	am a large quantity generator) or (b) (if I am a small	quantity go	enerator) is true.		Mor	nth Da	y Year
1	Villiam G	. Johnson	1 111	Mul	76	tu	here v	0	9100	8 09
=	ntemational Shipments reporter signature (for exports on	Import to U.S.	Export from U.S.	Port of entr Date leaving						
	ransporter Acknowledgment of Re			Date teavill	y 0.0	10-31				
Trans	sporter 1 Printed/Typed Name Kurt Netem	eyer	Signature	w net	white			Mor	th Day	Year
Trans	sporter 2 Printed/Typed Name		Signature		40			Moi		
	Discrepancy						-			
18a.	Discrepancy Indication Space	Quantity T	уре	Residue		Partial Reje	ction	[Full Re	jection
Ce	arected wt	Dec Bill Johnson 11	aluam Man	fest Reference I	Number:					
18b.	Alternate Facility (or Generator)		7			U.S. EPA ID No	umber			
Facil	ity's Phone:					4				
	Signature of Alternate Facility (or	Generator)						Mo	onth Da	y Year
19. F	iazardous Waste Report Manage	ment Method Codes (i.e., codes for hazardous wa	aste treatment, disposal, and recyc	ing systems)						
1.	112	· 2	3.			4.		,110		
20. E	Designated Facility Owner or Ope	rator: Certification of receipt of hazardous materia	ls covered by the manifest except a	as noted in Item	18a	i i				
Printe	ed/Typed Name	MILLE	Signature	In	1.	1011	Te	Mq	nth Da	y Year
PA Form	n 8700-22 (Rev. 3-05) Previo	us editions are obsolete.		1111	10 1	البليا	17			11) 1

print or type. (Form designed for u

		ned for use on elite (12-pitch) typewriter.)						Approved. OMB I	No. 2050-0
W	ASTE MANIFEST	1. Generator ID Number	1	mergency Response	24-930	0 0		1538 5	GB
Gene	575 MARYV ST LOUIS N rator's Phone:	Address TTM. BILL JOHNSON) ALLE CENTRE DRIVE 10 (811)271-5836	Gend	SOLU SOLU WG KI SAUG	tia ini Rumm	C IRICH PLAI IL 63	NT 2206-11	37	
6. Tra	Insporter 1 Company Name					U.S. EPA ID I		0135236	
7. Tra	insporter 2 Company Name			-		U.S. EPA ID I	Vumber		
8. De	signated Facility Name and	Site Address				U.S. EPA ID I	Vumber	_	
Facilit	y's Phone:	CHEMICAL WAST HIGHMAY 17 NOI EMELLE AL 35480	e manageme rth, mile mai)	NT, INC. IKER 163		1	ALDO	00822484	
9a. HM		n (including Proper Shipping Name, Hazard Class, ID Nu	mber,	10. Contair	ners Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste C	odes
X	1. RQ,POLYC UN3432,III	HLORINATED BIPHENYLS, SOL	ID MEXTURE,9 AL18591	001	DT	23446 13000	K		
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	3.					The E.T.			1
	3.				c .				

	4.								
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	porter signature (for export	s only):	Export nom 6.6.	Date leavir					
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Bo	orter 2 Printed/Typed Nam	h	Signature	& Kira	ms	w		191	ay Ye
,	crepancy			-		-			_
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19. Ha	zardous Waste Report Mar	agement Method Codes (i.e., codes for hazardous waste	treatment, disposal, and i	ecycling systems)					
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		Operator: Certification of receipt of hazardous materials of		ept as noted in Item	18a				,,,
Printed	/Typed Name	a Carle	Signature	Ma	6	1111	1	DOM I	Y Q
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UNIFORM HAZARDO WASTE MANIFEST	19	ILD00090270		2. Page 1 of		(800)42	4-030	4. Manifest	009	umber 453	86	BF
ST LOU! Generator's Phone:	WVILLE CI	entre dra	HNSON) Æ		-	SOLUT	PLA ENK RUMMUN	RICH PLAI IL 62	IT 208-11	37		
6. Transporter 1 Company								U.S. EPA ID N		001352	36	
7. Transporter 2 Company	Name							U.S. EPA ID N	lumber			
8. Designated Facility Nar		CHEM	NCAL WAST WAY 17 NO LE AL 3548	E MANAGE RTH, MILE I	MENT, I	NC. 163		U.S. EPA ID N	Co.	000822	464	
9a. 9b. U.S. DOT Des	scription (including P	Proper Shipping Name,	, Hazard Class, ID Nur	mber,		10. Contain		11. Total	12. Unit	13.	Waste Code	
11111	YCHLORIN	IATED BIPH	ENYLS, SOL		E,9	No.	Type	Quantity 22399	Wt./Vol.			
2.		1654000		AL186	2814			9/10/09				
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14. Special Handling Instru	uctions and Addition	al Information	§ ¥	*		1	7	ţ		1	, J	4
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6. Tran	sporter 1 Company Name						U.S. EPA ID		0135238	
7. Trans	sporter 2 Company Name	ı					U.S. EPA ID	Number		-
8. Desi	gnated Facility Name and				Vancticular of	-	U.S. EPA ID	Number		_
Facility	's Phone.	HIGH HIGH 1721 EMEL	IICAL WASTE! MAY 17 NORTI LE AL 36450	MANAGEME H, MILE MAR	KER 163		1	ALDO	00822464	
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1	UNIFORM HAZARDOUS WASTE MANIFEST	IFD000005\05	1	gency Response I	4-9300	00	Tracking Num	5388	GB
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	6. Transporter 1 Company Name	and the second second				U.S. EPA ID·N		135238	
İ	7. Transporter 2 Company Name					U.S. EPA ID N			
	Designated Facility Name and Facility's Phone.	CHEMICAL HIGHMAY	WASTE MANAGEMENT 17 NORTH, MILE MARK 35489	r, INC. ER 163		U.S. EPA ID N	Avad.	0822484	
Ī		(including Proper Shipping Name, Hazard C	lass, ID Number,	10. Containe	ers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste	Codes
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6. Ti	ransporter 1 Company Name					U.S. EPAID N		01362	36	
7. Ti	ransporter 2 Company Name		The state of the s			U.S. EPA ID N	lumber			
8. D	esignated Facility Name and Site Address	111000000000000000000000000000000000000				U.S. EPA ID N	lumber			-
Faci	ility's Phone.	CHEMICAL WASTI HIGHWAY 17 NOR EMELLE AL 35459	E MANAGEMEN TH, MILE MARK	F, INC. ER 163			ALDO	008224	184	
9a. HM	9b. U.S. DOT Description (including Prop	er Shipping Name, Hazard Class, ID Num	ber,	10. Contain	ers Type	11. Total Quantity	12. Unit Wt./Vol.	13. \	Waste Code	es
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	Discrepancy								-1	-
18a.	Discrepancy Indication Space Qua	ntity Type		Residue		Partial Reje	ection		Full Rej	ection
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Facili	ity's Phone:					4				
18c.	Signature of Alternate Facility (or Generator)					Alexander.		Mo	nth Day	y Year
18b Facili 18c. 19. H	lazardóus Waste Report Management Method	d Codes (i.e., codes for hazardous waste 2.	treatment, disposal, and recycles 3.	ding.systems)		4.				
20. D	/ esignated Facility Owner or Operator: Certific	ation of receipt of hazardous materials co	overed by the manifest except	as noted in Item	18a					
Printe	ed/Typed Name	C1112	Signature	10	n	Wi	lla	Mor	nth Day	Year
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6. Transporter 1 Company Nam						U.S. EPA ID N		013525	16
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	n (including Proper Shipping Name	e, Hazard Class, ID Nurr	mber,	10. Contain	ners Type	11. Total Quantity	12. Unit Wt./Vol.	13. V	Vaste Codes
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14. Special Handling Instruction OSD 9/9/0 15. GENERATOR'S/OFFERO	2 P'S CERTIFICATION: I hereby de	clare that the contents o	of this consignment are	fully and accurately de	scribed abov	/e by the proper shi	pping name :	and are class	sified. Dackane
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W	ASTE MANIFEST	Generator ID Number	2. Page 1 of 3. Emer	jency Response (800)42		4. Manifest		umber 453	31 (GBF
Ġene	575 MARYVII ST LOUIS MX rator's Phone:	(ATTM. BILL JOHNSON) LE CENTRE DRIVE (A11)271-5836	Generato	SOLUT	TIA INC RUMMI	RICH PLAN	IT 1206-11	37		
	nsporter 1 Company Name	800-38819	7			U.S. EPA ID N		0013623	16	
7. Tra	nsporter 2 Company Name	-				U.S. EPA ID N	lumber			
	signated Facility Name and S	CHEMICAL WAST HIGHWAY 17 NO	TE MANAGEMENT RTH, MILE MARK)	F, INC. ER 163		U.S. EPA ID N		0008224	84	
9a. HM		including Proper Shipping Name, Hazard Class, ID Nu	mber,	10. Contain	ers Type	11. Total Quantity	12. Unit Wt./Vol.	13. V	Vaste Code	s
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14 Sp	ecial Handling Instructions ac	d Additional Information								
n E	narked and labeled/placarded exporter, I certify that the control certify that the waste minimiz	CERTIFICATION: I hereby declare that the contents , and are in all respects in proper condition for transpoents of this consignment conform to the terms of the at atom statement identified in 40 CFR 262.27(a) (if I am	ort according to applicable inten ttached EPA Acknowledgment o a large quantity generator) or (ational and nation	nal governr	nental regulations.	pping name If export shi	pment and I a	m the Prim	ary
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18a. Di	iscrepancy Indication Space	Quantity Type		Residue		Partial Reje	ection		Full Reje	ection
	ternate Facility (or Generator)	per Bul Johnson 9/	10/09 cm Ma	ifest Reference	Number:	U.S. EPA ID N	umber	-	-	-
Facility	's Phone:					1				
	gnature of Altemate Facility (o	or Generator)						Mon	th Day	Year
19. Ha	zardous Waste Report Manag	ement Method Codes (i.e., codes for hazardous waste	e treatment, disposal, and recy	ding systems)				- An		
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	signated Facility Owner or Op /Typed Name	erator. Certification of receipt of hazardous materials of	covered by the manifest except Signature	as noted in Item	18a	10	il x	Mon	th Day	Year
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6. Transporter 1 Compa						U.S. EPA ID N		0135236	
7. Transporter 2 Compa	ny Name					U.S. EPA ID N	lumber		
8. Designated Facility N		CHEMICAL WAS HIGHWAY 17 NO EMELLE AL 354	STE MANAGEME ORTH, MILE MAI 89	NT, INC. RICER 163		U.S. EPA ID N		00822484	
9a. 9b. U.S. DOT D	9a. 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number,			10. Contain	ners Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
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18. Discrepancy	^	r							
	on space L o	luantityT	ype	Residue		Partial Reje	ection	L Full F	
18a. Discrepancy Indication Corversed to 18b. Alternate Facility (or	Generator)	r Bill Jelinson	न विविध	Manifest Reference	Number:	U.S. EPA ID N	umber		Rejection
Corrected	,		allolia cu	Manifest Reference	Number:	U.S. EPA ID N	umber	Month C	
18b. Alternate Facility (or Facility's Phone:	e Facility (or Generator		P V		Number:	U.S. EPA ID NI	umber	Month C	
18b. Alternate Facility (or Facility's Phone: 18c. Signature of Alternat 19. Hazardous Waste Re 1.	e Facility (or Generator)	aste treatment, disposal, and	ecycling systems)			umber	Month C	

TR# 38628

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039 UNIFORM HAZARDOUS 1. Generator ID Number 4. Manifest Tracking Number 3. Emergency Response Phone GBF ILD000802702 (800)424-9300 00094539 **WASTE MANIFEST** 5. Generator's Name and Mailing Address SOLUTIA INC (ATTN. BILL JOHNSON) Generator's Site Address (if different than mailing address) SOLUTIA INC 575 MARYVILLE CENTRE DRIVE WG KRUMMRICH PLANT ST LOUIS MO SAUGET IL 62208-1137 Generator's Phone: 6. Transporter 1 Company Name U.S. EPA ID Number BEELMAN ILR000135238 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number CHEMICAL WASTE MANAGEMENT, INC. HIGHWAY 17 NORTH, MILE MARKER 163 ALD000822484 Facility's Phone: EMELLE AL 35459 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 9a. 11. Total 12. Unit 13. Waste Codes and Packing Group (if any)) НМ Quantity Wt./Vol. No. Type RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE.9 3870 X 001 DT UN3432.III m AL185914 landing Instructions and Additional Information GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true Generator's/Offeror's Printed/Typed Name Day Year 16. International Shipments Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S.: 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Signature Month Day Transporter 2 Printed/Typed Name K 18. Discrepancy 18a. Discrepancy Indication Space Туре Full Rejection Residue Partial Rejection Johnson - 1/10/07 cm Manifest Reference Number: 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month Year Day 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Signature

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

a 40 Please print or type. (Form designed for use on efite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039 UNIFORM HAZARDOUS 1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone 4. Manifest Tracking Number GBF **WASTE MANIFEST** HLD000002702 (800)424-8300 5. Generator's Name and Mailing Address
SOLUTIA INC (ATTN. BILL JOHNSON) Generator's Site Address (if different than mailing address) SOLUTIA INC 575 MARYVILLE CENTRE DRIVE WG KRUMMRICH PLANT ST LOUIS MO SAUGET 11. 62208-1137 Generator's Phone: 6. Transporter 1 Company Name U.S. EPA ID Number BEELMAN HLR000135238 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number CHEMICAL WASTE MANAGEMENT, INC. HIGHAMAY 17 NORTH, MILE MARKER 163 ALD000822484 Facility's Phone. 200 632-0721 EMELLE AL 35469 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 9a. 11. Total 12. Unit 13. Waste Codes НМ and Packing Group (if any)) Quantity Wt./Vol. No. Type RQ.POLYCHLORINATED BIPHENYLS.SOLID MIXTURE.0 23115 X GENERATOR 001 DT ĸ UN3432.III 13000 AL185914 9/10/09 anding instructions and Additional Information GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name Month Day Year 16. International Shipments Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S.: 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Month Day Year Om Mclor OG Transporter 2 Printed/Typed Name 2 18. Discrepancy Type 18a. Discrepancy Indication Space Residue Full Rejection Partial Rejection der Bill Johnson 9/10 090 Manifest Reference Number: corrected wt. 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: DESIGNATED 18c. Signature of Alternate Facility (or Generator) Month Day Year 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Signature Month Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

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Printe	signated Facility Owner or Ope d/Typed Name 8700-22/(Rev. 3-05) Previo	rator: Certification of receipt of hazardous materials of	covered by the manifest excep Signature	t as noted in Item	18a	(1)	2/12	Months Da	Y Yes	

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039 4. Manifest Tracking Number 1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone UNIFORM HAZARDOUS GBF ILD000802702 (200)424-9300 **WASTE MANIFEST** 5. Generator's Name and Mailing Address (ATTM, BILL JOHNSON) Generator's Site Address (if different than mailing address) SOLUTIA INC 575 MARYVILLE CENTRE DRIVE WIG KRUMMRICH PLANT ST LOUIS MO SAUGET IL 62208-1137 Generator's Phone: 6. Transporter 1 Company Name U.S. EPA ID Number ILR000135236 BEELMAN U.S. EPA ID Number 7. Transporter 2 Company Name 8. Designated Facility Name and Site Address U.S. EPA ID Number CHEMICAL WASTE MANAGEMENT, INC. HIGHMAY 17 NORTH, MILE MARKER 163 ALD000822484 Facility's Phone: Phone **EMELLE AL 35469** 10. Containers 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 11. Total 12. Unit 13. Waste Codes and Packing Group (if any)) Wt./Vol. HM Туре Quantity No. 22789 RQ.POLYCHLORINATED BIPHENYLS, SOLID MIXTURE, 9 X 001 UN3432.III 13000 340 AL185914 DQ OSD 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Year Generator's/Offeror's Printed/Typed Name Johnson 09 01 Illiam 16. International Shipments Import to U.S. Export from U.S. Port of entry/exit: Date leaving U.S.: Transporter signature (for exports only): 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Signature Month Year 09 0 10 Transporter 2 Printed/Typed Name 2 18. Discrepancy 18a. Discrepancy Indication Space Partial Rejection Residue Full Rejection U.S. EPA ID Number 18b. Alternate Facility (or Generator) Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month Day 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 20, Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Signature / rinted/Typed Name Month Day Year etella.

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

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	8. De	signated Facility Name and S					U.S. EPA ID N	lumber			
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П	8. D	Pesignated Facility Name and				_	U.S. EPA ID N	lumber		_
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Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039 UNIFORM HAZARDOUS 1. Generator ID Number 4. Manifest Tracking Number 2. Page 1 of 3. Emergency Response Phone GBF H_D000802702 **WASTÉ MANIFEST** (800)424-0300 5. Generator's Name and Mailing Address
SOLUTIA INC (ATTW. BILL JOHNSON) Generator's Site Address (if different than mailing address) SOLUTIA INC **576 MARYVILLE CENTRE DRIVE** WIG KRUMMRICH PLANT ST LOUIS MO SAUGET IL 62208-1137 Generator's Phone: 6. Transporter 1 Company Name U.S. EPA ID Number **BEELMAN** ILR000135238 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number CHEMICAL WASTE MANAGEMENT, INC. HIGHWAY 17 NORTH, MILE MARKER 163 ALD000822464 Facility's Phone 200 ASS - 9721 EMELLE AL 35469 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 9a. 11. Total 12. Unit 13. Waste Codes and Packing Group (if any)) НМ No. Quantity Wt./Vol Type RQ, POLYCHLORIMATED BIPHENYLS, SOLID MIXTURE, 9 X 001 UN3432,III AL186914 OSD 09/14/09 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name Signature Year 6. M. KIM ALDI 09 16. International Shipments Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S.: 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Signatur Month Day Year TR ANS Transporter 2 Printed/Typed Name 18. Discrepancy 18a. Discrepancy Indication Space Residue Partial Rejection Full Rejection Manifest Reference Number: 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month Day Year 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Nam Signature EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

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7. Transporter 2 Com	pany Name					U.S. EPA ID	Number		
8. Designated Facility	/ Name and Site A	ddress			-	U.S. EPA ID	Number		
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Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039 UNIFORM HAZARDOUS 1. Generator ID Number 4. Manifest Tracking Number 2. Page 1 of 3. Emergency Response Phone ILD000802702 (800)424-9300 **WASTE MANIFEST** 00094540 5. Generator's Name and Mailing Address (ATTN. BILL JOHNSON) Generator's Site Address (if different than mailing address) SOLUTIA INC 575 MARYVILLE CENTRE DRIVE WG KRUMMRICH PLANT ST LOUIS MO SAUGET IL 62208-1137 Generator's Phone: 6. Transporter 1 Company Name U.S. EPA ID Number BEELMAN ILR000135238 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number CHEMICAL WASTE MANAGEMENT, INC. HIGHWAY 17 NORTH, MILE MARKER 163 ALD000822484 Facility's Phone. **EMELLE AL 35459** 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 11. Total 12. Unit 13. Waste Codes and Packing Group (if any)) НМ Quantity Wt./Vol No. Type RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE.9 X 001 DT UN3432,III 23,000 AL185914 09/14/09 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name Signature Year RINALDI 09 16. International Shipments F Import to U.S. Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S.: 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Signature Month Day Year Transporter 2'Printed/Typed Name 2 18. Discrepancy Туре 18a. Discrepancy Indication Space Quantity Residue Partial Rejection Full Rejection Manifest Reference Number: 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Day Year DESIGN 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Signature Printed/Typed Name Day Year

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DESIGNATED FACILITY TO GENERATOR

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UNIFORM HAZARDOUS 1. Generator IQ Number ILD000802702	2. Page 1 of 3. Emerg	(600)42	4-03D	0		mber 4540	7	BF
5. Generator's Name and Mailing Address SOLUTIA INC (ATTM. BILL JOHNSON) 575 MARYVILLE CENTRE DRIVE ST LOUIS MO \$15271-5835 Generator's Phone:	Generator	SOLUT	ia ini Umm	RICH PLAI IL 62	NT 2206-11	37		
6. Transporter 1 Company Name				U.S. EPAID		0135230	3	
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20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials co Printed/Typed Name	vered by the manifest except Signature	as noted in Item 1	ва	(-1	11	Month	Day	Year
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6. Trans	sporter 1 Company Name					U.S. EPA ID N		135236	
7. Trans	sporter 2 Company Name	-				U.S. EPA ID N	lumber		
8. Desig	gnated Facility Name and Site	e Address				U.S. EPA ID N	lumber		_
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9a.		ncluding Proper Shipping Name, Hazard Class, ID	Number,	10. Contain	ers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Coo	es
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1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone UNIFORM HAZARDOUS 000945410 GBF (800)424-9300 **WASTE MANIFEST** HLD000802702 5. Generator's Name and Mailing Address SOLUTIA INC (ATTN. BILL JOHNSON) Generator's Site Address (if different than mailing address) SOLUTIA INC **575 MARYVILLE CENTRE DRIVE** WG KRUMMRICH PLANT ST LOUIS MO 63141 6181271-5835 SAUGET IL 62208-1137 Generator's Phone: 6. Transporter 1 Company Name U.S. EPA ID Number REEL MAN ILR000135238 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number CHEMICAL WASTE MANAGEMENT, INC. HIGHWAY 17 NORTH, MILE MARKER 163 ALD000622464 Facility's Phone. EMELLE AL 35469 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 9a 11. Total 12. Unit 13. Waste Codes and Packing Group (if any)) HM Quantity Wt./Vol. No. Type RQ,POLYCHLORINATED BIPHENYLS,SOLID MIXTURE,9 X 001 DT GENERATOR K 23 000 AL185914 14. Special Handling Instructions and Additional Information 69/14/09 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name Signature G. M. RINALDI 09114 09 16. International Shipments Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S. 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Signature Day Year ran Melan 09 Transporter 2 Printed/Typed Name Signature Month 18. Discrepancy 18a. Discrepancy Indication Space Quantity Residue □ Partial Rejection Full Rejection Manifest Reference Number: 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: DESIGNATED 18c. Signature of Alternate Facility (or Generator) Month Day Year 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete

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	6. Tra	ansporter 1 Company Name						U.S. EPA ID N		0013623	16	
	7. Tra	ansporter 2 Company Name						U.S. EPAID N	lumber			
		signated Facility Name and	CHEMICAL WAST HIGHWAY 17 NO	E MANAGE RTH, MILE N	MENT	, INC. ER 163		U.S. EPA ID N		0008224	184	
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SOLUTIA INC GATTER, SEL JOHNSON STANDING TO STANDING THE ST LOUIS MO STANDING CONTRET DRIVE STANDING CONTRET SAUGET IL 62208-1137 Transporter 1 Company Name U.S. EPAID Number ALDOOOS22494 Facility's Photos Solution in Containers 11. Total 12. Unit 13. Westi 14. ** 15. GENERATOR'SOFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified marked and labelediplicareded, and are in all respects in proper condition for transport according to applicable international povernmental egulations. If export shipping name, and are classified marked and labelediplicareded, and are in all respects in proper condition for transport according to applicable international and national governmental egulations. If export shipping name, and are classified marked and labelediplicareded, and are in all respects in proper condition for transport according to applicable international and national governmental egulations. If export shipping name, and are classified marked and labelediplicareded, and are in all respects in proper condition for transport according to applicable international and national governmental egulations. If export shipping name, and are classified marked and labelediplicareded, and are in all respects in proper condition for transport according to applicable international and national governmental egulations. If export shipping name, and are classified marked and labelediplicareded, and are in all respects in proper conditions for transporter according to applicable international and national governmental egulations. If export shipping name, and are classified marked to a condition and the according to the s	
8. Designated Facility Name and Site Address CHENICAL WASTE MANAGEMENT, INC. HIGHMAY 17 NORTH, MILE MARKER 168 B. Designated Facility Name and Site Address CHENICAL WASTE MANAGEMENT, INC. HIGHMAY 17 NORTH, MILE MARKER 168 B. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, No. Type Quantity WLVid. X. ROJOLYCHLORINATED BIPHENYLS, SOLID MIXTURE 3 QOI DT 33000 K 4. Section Haste Structure and Additional Information OSD 9 15509 15. GENERATOR SIGNERORS CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Exporter, I certify that the waste minimization statement identified in 40 CPR 252.27(a) (if I am a large quantity generator) (b) (if I am a semial quantity page-rator) is true. Cenerator/CVC/fior's Printed/Typed Name Morth I am Despotate in Import to U.S. Export from U.S. Port of entry/texit Transporter signature (for exports only): Date leaving U.S.:	
8. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT, INC. HIGHWAY 17 NORTH, MILE MARRIER 163 9a. Bo. U. S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, M. Type 9a. Bo. U. S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, M. No. Type 9a. Dot DT 3200 K 11. Total 12. Unit 13. Waste WL/Oil. 13. Waste 14. BED14 15. GENERATOR SIOFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified marked and labeled/plicarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shippinent and I am the Exporter, Lordfy that the content of this consignment confrom to the terms of Total proper shipping name, and are classified marked and labeled/plicarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shippinent and I am the Exporter, Lordfy that the content of this consignment confrom to the terms of Total proper shipping name, and are classified marked and labeled/plicarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shippinent and I am the Exporter, Lordfy that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified marked and labeled/plicarded, and are in all respects in proper condition for transporter of Consent. 15. GENERATOR SIOFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified marked and labeled/plicarded, and are in all respects to the consignment are fully and accurately described above by the proper shipping name, and are classified and accurately described	
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15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Exporter, I certify that the contents of this consignment conform to the terms of the Exporter of Consent. Certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name	-
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name William Gillen To to U.S. Transporter signature (for exports only): Date leaving U.S.: Month Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Month	
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20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Signature /Month	

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Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039 1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone 4. Manifest Tracking Number **UNIFORM HAZARDOUS** GBF **WASTE MANIFEST** LD000802702 (800)424-9300 0003454 5. Generator's Name and Mailing Address (ATTM: BILL JOHNSON) Generator's Site Address (if different than mailing address) **SOLUTIA INC** 576 MARYVILLE CENTRE DRIVE WG KRUMMRICH PLANT **ST LOUIS MO** SAUGET IL 62208-1137 Generator's Phone: 6. Transporter 1 Company Name U.S. EPA ID Number BEELMAN ILR000135238 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number CHEMICAL WASTE MANAGEMENT, INC. HIGHMAY 17 NORTH, MILE MARKER 163 ALD000822484 Facility's Phone. EMELLE AL 35489 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 9a. 11. Total 12. Unit 13. Waste Codes and Packing Group (if any)) НМ Quantity Wt./Vol. Type RQ, POLYCHLORIMATED BIPHENYLS, SOLID MIXTURE.9 X 001 DT GENERATOR 23000 AL185914 dditional Information GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generators/Offeror's Printed/Typed Name Month 15 lum 16. International Shipments Port of entry/exit: Import to U.S. Export from U.S. Transporter signature (for exports only): Date leaving U.S. 17. Transporter Acknowledgment of Receipt of Materials cansporter Printed/Typed Name Signature Transporter 2 Printed/Typed Name Signature Month 18. Discrepancy 18a. Discrepancy Indication Space ____ Type Quantity ☐ Full Rejection Residue Manifest Reference Number 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month Year Day 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) DESI 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Signature

Printed/Typed Name

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all and the sale Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039 1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone 4. Manifest Tracking Number UNIFORM HAZARDOUS ILD000202702 **WASTE MANIFEST** (800)424-9900 5. Generator's Name and Mailing Address TTN. BILL JOHNSON) Generator's Site Address (if different than mailing address) SOLUTIA INC 575 MARYVILLE CENTRE DRIVE WG KRUMMRICH PLANT ST LOUIS MO 69141 SAUGET L 62206-1137 Generator's Phone: 6. Transporter 1 Company Name U.S. EPA ID Number BEELMAN ILR000135236 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number CHEMICAL WASTE MANAGEMENT, INC. HIGHMANY 17 NORTH, MILE MARKER 163 ALD000622464 Facility's Phone. **EMELLE AL 35489** 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 9a. 10. Containers 11. Total 12. Unit 13. Waste Codes and Packing Group (if any)) НМ No. Type Quantity Wt./Vol. RQ,POLYCHLORINATED BIPHENYLS,SOLID MIXTURE,9 001 DT GENERATOR UN3432.III 23000 AL189914 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name Month Day Year William John son 09 16. International Shipments Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S. 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Signature Month Day Year cff Cempher 09 15 Transporter 2 Printed/Typed Name Month Day Year R 18. Discrepancy 18a. Discrepancy Indication Space Туре Quantity _ Residue __ Partial Rejection Full Rejection Manifest Reference Number: 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: DESIGNATED 18c. Signature of Alternate Facility (or Generator) Month Day Year

Signature

Printed/Typed Name

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

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6. T	ransporter 1 Company Name					U.S. EPA ID N		0135236	
7. T	ransporter 2 Company Name					U.S. EPA ID N		0100230	_
8.0	Pesignated Facility Name and	Site Address				U.S. EPA ID N	lumbar.		
	illty's Phone.	CHEMICAL WASTE HIGHWAY 17 NORT	MANAGEMEI H, MILE MAR	NT, INC. KER 163		0.3. <u>CFA 10 N</u>	Teach	00922484	
9a. HM	9b. U.S. DOT Description	n (including Proper Shipping Name, Hazard Class, ID Numbe	er,	10. Contain	ers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Co	odes
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18b.	Alternate Facility (or Generat	or)		Manifest Reference	Number:	U.S. EPA ID N	umber		
	ity's Phone:								
18c.	Signature of Alternate Facility	(or Generator)						Month	Day Year
19. H	lazardous Waste Report Man	agement Method Codes (i.e., codes for hazardous waste treat	atment, disposal, and re	cycling systems)					
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		Operator: Certification of receipt of hazardous materials cover		ept as noted in Item	18a /	1		1	
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6. T	ransporter 1 Company Name	9				U.S. EPA ID N		0135236	
7. T	ransporter 2 Company Name			land i		U.S. EPA ID N	lumber		
8. C	Designated Facility Name and	Site Address	- MANAGEM	ENT INC		U.S. EPA ID N	lumber		
Fac	ility's Phone:	CHEMICAL WASTE HIGHWAY 17 NOR EMELLE AL 35489	TH, MILE M	RKER 163		1	ALDO	00622484	
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7. Transporter 2 Company Na	ime .				U.S. EPA ID N	umber	1- Y	
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	er or Operator: Certification of receipt of hazardous m		t as noted in Item	18a	()		Mantho	Dou V
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Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039 4. Manifest Tracking Number 1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone UNIFORM HAZARDOUS GBF **WASTE MANIFEST** ILD000802702 (800)424-8300 nnngaGenerator's Site Address (if different than mailing address) (ATTN. BILL JOHNSON) SOLUTIA INC 575 MARYVILLE CENTRE DRIVE WG KRUMMRICH PLANT ST LOUIS MO 69141 8T LOUIS MO 69141 SAUGET IL 62208-1137 Generator's Phone: 6. Transporter 1 Company Name U.S. EPA ID Number REFI MAN ILR000135236 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number CHEMICAL WASTE MANAGEMENT, INC. HIGHWAY 17 NORTH, MILE MARKER 163 ALD000822484 Facility's Phone: **EMELLE AL 35459** 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 9a. 11. Total 12. Unit 13. Waste Codes and Packing Group (if any)) НМ Quantity No. Wt Mol Туре RQ,POLYCHLORINATED BIPHENYLS,SOLID MIXTURE.9 X 001 DT K 23000 AL185914 onal Information 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name Day Year 09 liam 16. International Shipments Import to U.S. _ Export from U.S Port of entry/exit Transporter signature (for exports only): Date leaving U.S. 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Signatur Month Day Year STAPCEDIN RANDALL Transporter 2 Printed/Typed Name Month 18. Discrepancy 18a. Discrepancy Indication Space Type Quantity Residue Full Rejection Manifest Reference Number: FACILITY 18b. Alternate Facility (or Generator) U.S. EPA ID Number DESIGNATED 18c. Signature of Alternate Facility (or Generator) Month Day Year 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Nan Day

ease print o	or type. (Form design	ed for use on elite (12-pitch) typewr						Form	Approved. OM	B No. 2050-00
WAS'	TE MANIFEST	1. Generator ID Number		ge 1 of 3. Emerg	ency Response		4. Manifest	20.00	mber 4542:	3 GBF
Generato	575 MARYV ST LOUIS M r's Phone:	Addresation Bill Johns ILLE CENTRE DRIVE O (811/271-6886	SON)	Generator	SOLUT	na an Ruway	than mailing addres C IRICH PLAI	ss)		
6. Transp	orter 1 Company Name						U.S. EPA ID N		0135236	
7. Transp	orter 2 Company Name						U.S. EPA ID N	lumber		
	ated Facility Name and	CHEMICA HIGHMAN	N. WASTE MAN Y 17 NORTH, M AL 35469	AGEMENT LE MARK	, INC. ER 163		U.S. EPA ID N	75.53	00822484	
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Facility's Pl 18c. Signal	hone: ture of Alternate Facility	(or Generator)							Month	Day Yea
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Form 870	0-22 (Rev. 3-05). Pre	vious editions are obsolete.	h d			1+1	4. (6)	111		+11/1

NIFORM HAZARDOUS WASTE MANIFEST IL DOODSOZ702 Generator's Name and Mailing Address SOLUTIA INC (ATTRE. BILL JOHN		ency Response F			Tracking Num		
Generator's Name and Mailing Address		(800)42	4-MOUL	0 00	0094	5424	GBF
576 MARYVILLE CENTRE DRIVE ST LOUIS MO 69141 nerator's Phone:	Generator (Generator)	SOLUT	TA INC	than mailing addres	s) IT 208-113		
Transporter 1 Company Name				U.S. EPA ID N		1135236	
Transporter 2 Company Name				U.S. EPA ID N			
Designated Facility Name and Site Address				` U.S. EPA ID N	lumber	-	
CHEMIC HIGHWA Cility's Phone (2015) 352-\$7721 EMELLE	CAL WASTE MANAGEMENT AY 17 NORTH, MILE MARKI E AL 35489	, INC. ER 163		1	ALDOO	0822484	
9b. U.S. DOT Description (including Proper Shipping Name, Ha and Packing Group (if any))	azard Class, ID Number,	10. Containe	ers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste (Codes
1 RQ,POLYCHLORINATED BIPHER UN3432,81	NYLS,8OLID MIXTURE,9 AL185914	001	DT	23000	K		
2.			Sem				
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GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare marked and labeled/placarded, and are in all respects in proper co Exporter, I certify that the contents of this consignment conform to I certify that the waste minimization statement identified in 40 CFR	ndition for transport according to applicable intern the terms of the attached EPA Acknowledgment o .262.27(a) (if I am a large quantity generator) or (t	ational and nation f Consent.	nal governi	mental regulations.	pping name, a If export shipm	nd are classified, pent and I am the I	packaged, Primary
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isporter 2 Printed/Typed Name	Signature	y Ha	eak			0 9 1 Month	5 0 9 Day Year
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lity's Phone: Signature of Alternate Facility (or Generator)			-,	1		Month	Day Year
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Hazardous Waste Report Management Method Codes (i.e., codes fo	or hazardous waste treatment, disposal, and recycles 3.	ling systems)	-	4.		-	
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Designated Facility Owner or Operator: Certification of receipt of haz	ardous materials covered by the manifest except Signature	as noted in Item 1	18a	1			

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V	FORM HAZARDOUS NASTE MANIFEST	ILD000002702	1	3. Emerge	ency Response (800)42		D 4. Manifest	Tracking Num	5425	GBF
Gen	575 MARYV ST LOUIS M erator's Phone:	Address C (ATTM. BILL JOHNSON FILLE CENTRE DRIVE 10 (3) (2) 1-5835	0	Generator'	SOLUT	ria eni Rundi	than mailing address RICH PLAS	ss) VT 2208-11 3		
6. Tr	ransporter 1 Company Name						U.S. EPA ID I		0135238	
7. Tr	ransporter 2 Company Name	n .					U.S. EPA ID N	lumber		
	esignated Facility Name and	CHEMICAL V HIGHWAY 17	MASTE MANAGE 7 NORTH, MILE N 35459	MENT	, INC. R 163		U.S. EPA ID N	- Vieta	10822484	
9a. HM		n (including Proper Shipping Name, Hazard Clas	ss, ID Number,		10. Contain	ers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste	Codes
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	pecial Handling Instructions								N.	
15.	marked and labeled/placard Exporter, I certify that the co	'S CERTIFICATION: I hereby declare that the ed, and are in all respects in proper condition for the terms of this consignment conform to the terms	or transport according to applicate the attached EPA Acknowle	able interna	tional and natio Consent.	nai govern	rnental regulations.	pping name, a If export shipn	nd are classified, nent and I am the	packaged, Primary
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	ansporter 1 Company Name BEELMAN					U.S. EPA ID N		0135236	
7. Tra	ansporter 2 Company Name					U.S. EPA ID N	umber		
	signated Facility Name and	CHEMICAL WAS HIGHWAY 17 NO	TE MANAGEMENT WRTH, MILE MARKI 19	F, INC. ER 163		U.S. EPA ID N		00822484	
9a. HM		(including Proper Shipping Name, Hazard Class, ID N	lumber,	10. Containe	ers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste	Codes
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Please print or type. (Form designed for use on elite (12-pitch) typewriter.)-Form Approved. OMB No. 2050-0039 4. Manifest Tracking Number 1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone UNIFORM HAZARDOUS HLD000202702 GBF **WASTE MANIFEST** (800)424-8300 0009454 5. Generator's Name and Mailing Address ATTM. BILL JOHNSON) Generator's Site Address (if different than mailing address) SOLUTIA INC 575 MARYVILLE CENTRE DRIVE WG KRUMMRICH PLANT ST LOUIS MO SAUGET IL 62208-1137 Generator's Phone: 6. Transporter 1 Company Name U.S. EPA ID Number ILR000135236 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number CHEMICAL WASTE MANAGEMENT, INC. HIGHWAY 17 NORTH, MILE MARKER 163 ALD000822464 Facility's Phone: EMELLE AL 36460 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 11. Total 12. Unit and Packing Group (if any)) 13. Waste Codes HM No. Quantity Wt./Vol. Type RQ, POLYCHLORIMATED BIPHENYLS, SOLID MIXTURE.9 X 001 DT GENERATOR UN3432.M 23000 AL185914 tional Information OSD 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true Generator's/Offeror's Printed/Typed Name Signature Day Year Illiam Johnson 09 09 16. International Shipments Z Import to U.S. Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S.: 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name **TR ANSPORT** Month Day Year 7188-39679 Transporter 2 Printed/Typed Name Year 18. Discrepancy 18a. Discrepancy Indication Space Quantity Residue Partial Rejection Full Rejection Manifest Reference Number 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month Day Year **DESIGN** 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Signature

Please p		ed for use on elite (12-pitch) typewriter.)						Approved. OMB	No. 2050-00
1	WASTE MANIFEST	1. Generator ID Number 4 ILD000802702	2. Page 1 of 3. Emer	(800)42	4-030	4. Manifest	1094	mber 45428	GBF
Gen	576 MARYVI ST LOUIS M erator's Phone:	Address C (ATTM. BILL JOHNSON) ILLE CENTRE DRIVE O 63141 (618)271-5835	Generate	SOLUT	TA INC	than mailing addres : RICH PLAN	s)		
6. Ti	ransporter 1 Company Name					U.S. EPA ID N		10136236	
7. Ti	ransporter 2 Company Name		•			U.S. EPA ID N	umber		
8. D	esignated Facility Name and			-		U.S. EPA ID N	umber		
Faci	ility's Phone.	HIGHWAY 17 NO 721 EMELLE AL 354	STE MANAGEMEN ORTH, MILE MARK 199	ER 163		1	ALDO	00822484	
9a.	9b. U.S. DOT Description	(including Proper Shipping Name, Hazard Class, ID	Number,	10. Containe	rs Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste	Codes
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14. 5	Special Handling Instructions	and Additional Information							
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									U.S. EPA ID N	D Number ILR000135238				
	7. Transporter 2 Company Name U.S. EPA ID Number								umber					
	8. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT, INC. U.S. EPA ID Number													
	CHEMICAL WASTE MANAGEMENT, INC. HIGHWAY 17 NORTH, MILE MARKER 163 EMELLE AL 36469 Facility's Phone:								1	ALD000622464				
$\ $	9a. 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))						10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes			
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CILITY -	18b. A	Alternate Facility (or Generato	r)			Mani	fest Reference I	Number:	U.S. EPA ID No	ımber				
DESIGNATED FACILITY		y's Phone: Signature of Altemate Facility	(or Generator)						<u> </u>		Month [Day Year		
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DESI	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. 2. 3. 4.											<u></u>		
	20 De	asignated Facility Owner or O	perator: Certification of receipt of hazard	tous materials covered	hy the manife	st excent o	is noted in Item	18a						
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	Generator ID Number	2. Page 1 of 3. Emerg	FE 50 30 / 50		4. Manifest	Tracking Nu	mber	OMB No. 20		
WASTE MANIFEST ILDODOSO2702 1 5. Generator's Name and Mailing Address SOLUTIA (NC (ATTN. BILL JOHNSON) Generator's Name and Mailing Address SOLUTIA (NC (ATTN. BILL JOHNSON)				(200)424-6300 000945430 GB rator's Site Address (if different than mailing address)						
SOLUTIA IF	ALLE CENTRE DRIVE		SOLUT	TIA IN	C RICH PLAN	arr.				
ST LOUIS N	AO 831/1 (818)271-5835	i i	SAUG			208-11	37			
Generator's Phone: 6. Transporter 1 Company Nam	U.S. EPA ID Number									
BEELMAN	ILR000135236									
7. Transporter 2 Company Nam	е				U.S. EPA ID N	lumber		104		
8. Designated Facility Name and	d Site Address				U.S. EPA ID N	lumber				
Facility's Phone	CHEMICAL WAS HIGHWAY 17 NO 8721 EMELLE AL 3840	STE MANAGEMENT ORTH, MILE MARK 50	F, INC. ER 163		î.		008224	84		
	on (including Proper Shipping Name, Hazard Class, ID I	Number,	10. Contain	-	11. Total Quantity	12. Unit	13. V	Vaste Codes		
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OSD 9/15/0	ant Additional Information			- 4		e l	*			
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Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039 UNIFORM HAZARDOUS 1. Generator ID Number 4. Manifest Tracking Number 2. Page 1 of 3. Emergency Response Phone H_D000802702 GBF **WASTE MANIFEST** (800)424-9300 0009454 5. Generator's Name and Mailing Address (ATTN. BILL JOHNSON) Generator's Site Address (if different than mailing address) SOLUTIA INC 575 MARYVILLE CENTRE DRIVE WG KRUMMRICH PLANT ST LOUIS MO SAUGET IL 62208-1137 Generator's Phone: 6. Transporter 1 Company Name U.S. EPA ID Number BEELMAN #_R000135238 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number CHEMICAL WASTE MANAGEMENT, INC. HIGHWAY 17 NORTH, MILE MARKER 163 ALD000822484 Facility's Phone. EMELLE AL 35450 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 9a. 11 Total 12. Unit 13. Waste Codes and Packing Group (if any)) НМ No. Type Quantity Wt./Vol. RQ.POLYCHLORINATED BIPHENYLS.SOLID MIDITURE.9 X 001 DT GENERATOR 23000 AL185914 OSD 15, GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40.CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name Villiam lohuson K 16. International Shipments Import to U.S. Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S. 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Month Year Transporter 2 Printed/Typed Name 18. Discrepancy 18a. Discrepancy Indication Space Туре Quantity Residue Partial Rejection Full Rejection Manifest Reference Number: 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: DESIGNATED 18c. Signature of Alternate Facility (or Generator) Month Day Year 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Signature Month Dav

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039 4. Manifest Tracking Number 1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone UNIFORM HAZARDOUS **WASTE MANIFEST** ILD000802702 000945 GBF (800)424-9300 5. Generator's Name and Mailing Address
SOLUTIA INC (ATTN. BILL JOHNSON) Generator's Site Address (if different than mailing address) SOLUTIA INC 575 MARYVILLE CENTRE DRIVE WG KRUMMRICH PLANT ST LOUIS MO 4314171-5835 SAUGET IL 62206-1137 Generator's Phone: 6. Transporter 1 Company Name U.S. EPA ID Number 800-38819 **BEELMAN** ILR000135238 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number CHEMICAL WASTE MANAGEMENT, INC. HIGHWAY 17 NORTH, MILE MARKER 163 ALD000822484 Facility's Phone EMELLE AL 35459 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 9a. 10. Containers 11. Total 12. Unit 13. Waste Codes and Packing Group (if any)) НМ Quantity No. Type Wt. Nol RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE 9 x GENERATOR DT 001 1300 AL165914 and Additional Information OSD GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name Day Year 09 JOUNSON William 16. International Shipments Export from U.S. Port of entry/exit: Z Transporter signature (for exports only): Date leaving U.S. 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Signature Year 04 Transporter 2 Printed/Typed Name Signature 18. Discrepancy 18a. Discrepancy Indication Space Туре Quantity __ Residue Partial Rejection Full Rejection Manifest Reference Number: 1.8b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: DESIGNATED 18c. Signature of Alternate Facility (or Generator) Month Day Year 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Month. Day EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

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5. Generator's Name and Mailing Address 5. MARY VILLE CENTR ST LOUIS MO Generator's Phone:	E DONE	Ger	nerator's Site Address SOLU WG KI SAUG	ria ini Rumm	C IRICH PLAI IL 62	NT 2208-11:	37	
6. Transporter 1 Company Name BELMAN					U.S. EPA ID N		0135236	
7. Transporter 2 Company Name					U.S. EPAID N	lumber		
8. Designated Facility Name and Site Address	CUENICAL MARTE	MANAGEM	ENT INO		U.S. EPA ID N	lumber		-
Facility's Phone.	CHEMICAL WASTE HIGHWAY 17 NORT EMELLE AL 36459	H, MILE MA	RKER 163		1	ALDO	00822484	
9a. 9b. U.S. DOT Description (including Proper Sh and Packing Group (if any))	pping Name, Hazard Class, ID Number	r,	10. Contain	ers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste	Codes
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18. Discrepancy 18a. Discrepancy Indication Space Quantity	Туре		Residue		Partial Reje	ection	Full	Rejection
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18b. Alternate Facility (or Generator)					U.S. EPA ID N	umber		
Facility's Phone:		e-			1			
18b. Alternate Facility (or Generator) Facility's Phone: 18c. Signature of Alternate Facility (or Generator) 19. Hazardous Waste Report Management Method Cod 1.							Month	Day Year
19. Hazardous Waste Report Management Method Cod	es (i.e., codes for hazardous waste trea	atment, disposal, and	recycling systems)		14.			
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A Form 8700-22 (Rev. 3-05) Previous editions are	obsolete.			1111	, ,,	3 , 1-7	~ A	1 17

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1	V	NASTE MANIFEST	1. Generator ID Number	2. Page 1 of 3. Em	(800)42	4-830	4. Manifest	1094	5434	GBF
	Gen	575 MARYV ST LOUIS M erator's Phone:	Address C (ATTN. BILL JOHNSOM) BLLE CENTRE DRIVE 10 63141 618271-5836	Genera	SOLU	ruan Ruma	than mailing addres C IRICH PLAN	s)	17197	
	6. Tr	ransporter 1 Company Name					U.S. EPA ID N		0135236	
	7. Tr	ransporter 2 Company Name					U.S. EPAID N		10000	
	8. D	esignated Facility Name and	Site Address				U.S. EPA ID N	umher		
	Faci	ility's Phone.	CHEMICAL WAR HIGHWAY 17 N 1721 EMELLE AL 354	BTE MANAGEMEN ORTH, MILE MARI 180	IT, INC. CER 163		1		0822484	
	9a. HM	9b. U.S. DOT Description	n (including Proper Shipping Name, Hazard Class, ID	Number,	10. Contain	ers	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Co	des
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		Exporter, I certify that the co I certify that the waste minim erator's/Offeror's Printed/Type	ed, and are in all respects in proper condition for tran ntents of this consignment conform to the terms of th sization statement identified in 40 CFR 262.27(a) (if I ad Name	e attached EPA Acknowledgmen	t of Consent.			f export shipm	Month Da	y Year
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≥	18b. A	Alternate Facility (or Generate	or)		anifest Reference	Number:	U.S. EPA ID No	ımber	-	_
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DESIGNATED FACILITY		y's Phone: Signature of Alternate Facility	(or Generator)		*				Month D	ay Year
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		esignated Facility Owner or C	Operator: Certification of receipt of hazardous materia		ot as noted in Item	18a	- ()		/ Ma	AV.
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Fac	cility's Phone:					1	= =		
18c	c. Signature of Alternate Facility	(or Generator)	•					Month D	ay Year
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	Designated Facility Owner or Conted/Typed Name	Operator: Certification of receipt of hazardous materials cov	vered by the manifest exce	pt as noted in Item	18a	(1		(Month D	W Say Vaor
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Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039 1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone 4. Manifest Tracking Number UNIFORM HAZARDOUS ILD000802702 (800)424-8300 GBF**WASTE MANIFEST** nnnqaAddress (ATTN. BILL JOHNSON) Generator's Site Address (if different than mailing address) **SOLUTIA INC** 575 MARYVILLE CENTRE DRIVE WG KRUMMRICH PLANT ST LOUIS MO SAUGET IL 62208-1137 Generator's Phone: 6. Transporter 1 Company Name U.S. EPA ID Number **BEELMAN** ILR000135236 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number CHEMICAL WASTE MANAGEMENT, INC. HIGHWAY 17 NORTH, MILE MARKER 163 ALD000822464 Facility's Phone: 205) 452-8721 **EMELLE AL 35469** 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 9a. 11. Total 12. Unit 13. Waste Codes and Packing Group (if any)) HM No. Type Quantity Wt./Vol. RQ.POLYCHLORINATED BIPHENYLS.SOLID MIXTURE.9 X GENERATOR 001 DT 2 3000 AL185914 ditional Information 080 GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name Month Day Year 09 11110m 09 16. International Shipments Import to U.S. Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S. 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Signature Month Year Transporter 2 Printed/Typed Name Signature 2 18. Discrepancy 18a. Discrepancy Indication Space Quantity _ Partial Rejection Full Rejection Manifest Reference Number: 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month Dav Year DESIGN 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Nam Signature Wonth Year

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7. Trans	sporter 2 Company Name						U.S. EPA ID N	lumber			
8. Desig	gnated Facility Name and			T DAGMAGES	WAT IND		U.S. EPA ID N	Number			
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6. T	ransporter 1 Company Name					U.S. EPA ID N		00135236	
7. Ti	ransporter 2 Company Name					U.S. EPA ID N	umber		
8. D	esignated Facility Name and Site Address			VARA TI		U.S. EPA ID N	umber		
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Signature

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

Day

Year

HFORM HAZARDOUS 1. Generator ID Number 2. Page 1					Form	Approved. OMB N	lo. 2050-00
WASTE MANIFEST ILD000802702	of 3. Emerge	ency Response		4. Manifest	Tracking Nu		GBF
Generator's Name and Mailing Address SOLUTIA INC. (ATTN. BILL JOHNSON) 575 MARY VILLE CENTRE DRIVE ST LOUIS MO 6314271-6835	Generator's	SOLU	na ini Ruman	than mailing address C RICH PLAN	s)	10.10	
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ransporter 2 Company Name				U.S. EPA ID N	umber		
Designated Facility Name and Site Address	es es de de	1 2 2 3 LOV		U.S. EPA ID N	umber		
CHEMICAL WASTE MANAG HIGHWAY 17 NORTH, MILE Sility's Phone (205)652-9721 EMELLE AL 35459	MARKE	R 163		T.	ALDO	00822484	
9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Contain		11. Total	12. Unit	13. Waste Co	odes
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2. Designated Facility Owner or Operator, Certification of receipt of hazardous materials covered by the ma			18a	4.		Month / D	Day Year

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575 MARYVILLE ST LOUIS MO Generator's Phone:	(ATTN. BILL JOHNSON) E CENTRE DRIVE PUZZ-1-5835	Genera	SOLU	MA INC RUMM	RICH PLAN IL 62	(T 208-11:	37	
6. Transporter 1 Company Name					U.S. EPA ID N		0135236	1
7. Transporter 2 Company Name					U.S. EPA ID N	umber		
Designated Facility Name and Site	CHEMICAL WASTI HIGHWAY 17 NOR	E MANAGEMEN TH, MILE MARI	IT, INC. KER 163		U.S. EPA ID N		0082246	4
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14. Special Handling Instructions and Ad	ditional Information							11
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Facility's Phone: 18c. Signature of Alternate Facility (or Get 19. Hazardous Waste Report Management).	enerator) ent Method Codes (i.e., codes for hazardous waste 2. 2. or Certification of receipt of hazardous materials co	3.	1	-V	4.		Month	Day Yea

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Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039 UNIFORM HAZARDOUS 1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone 4. Manifest Tracking Number GBF **WASTE MANIFEST** ILD000802702 (800)424-9300 5. Generator's Name and Mailing Address (ATTM, BILL JOHNSON) Generator's Site Address (if different than mailing address) Solutia inc **575 MARYVILLE CENTRE DRIVE** WG KRUMMRICH PLANT 87 LOUIS MO 8141 8 Phone: 6151271-5835 SAUGET L 62208-1137 Generator's Phone: 6. Transporter 1 Company Name U.S. EPA ID Number BEELMAN HLR000135238 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number CHEMICAL WASTE MANAGEMENT, INC. HIGHWAY 17 NORTH, MILE MARKER 163 ALD000822484 Facility's Phone 200 002-9721 EMELLE AL 36469 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 9a. 11 Total 12. Unit 13. Waste Codes and Packing Group (if any)) HM No. Type Quantity Wt./Vol. RQ.POLYCHLORINATED BIPHENYLS, SOLID MIXTURE.9 X GENERATOR 001 DT к 23000 AL185914 2. itional Information 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.

I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a grade quantity generator) or (b) (if I am a small quantity generator) at the contents of the attached EPA Acknowledgment of Consent. Generator's/Offeror's Printed/Typed Name Month Year 16. International Shipments Import to U.S. Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S.: 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Signature Year om/no Transporter 2 Printed/Typed Name K 18. Discrepancy 18a. Discrepancy Indication Space Туре Quantity Partial Rejection __ Full Rejection Manifest Reference Number: 18b. Alternate Facility (or Generator) FACILITY U.S. EPA ID Number Facility's Phone: DESIGNATED 18c. Signature of Alternate Facility (or Generator) Month Day Year 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Pertification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Na Signature Day 14

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	tion (including Proper Ship	pping Name, Hazard Class, ID N	lumber,	10. Contain		11. Total Quantity	12. Unit Wt./Vol.	13.	Waste Code	s
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1	enerator's Name and Mailing Ad SOLUTION AND SOLUTION AND STATE AND SOLUTION AND SOL	(ATTN. BILL JOHNSON LE CENTRE DRIVE (611/271-5835	Generato	SOLUT	TA INI	than mailing addres C RICH PLAN	ss)		
6. Tr	ransporter 1 Company Name					U.S. EPA ID N		0135238	
7. Tr	ansporter 2 Company Name					U.S. EPA ID N	93,937	100200	- 0-
8. Do	esignated Facility Name and Site	Address				U.S. EPA ID N	Jumher		
Facil	lity's Phone.	CHEMICAL I HIGHMAY 1 EMELLE AL	Maste Managemen 7 North, Mile Mark 36480	T, INC. ER 163		1		0822484	
9a. HM		cluding Proper Shipping Name, Hazard Cla	iss, ID Number,	10. Containe	-	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Cod	es
1		ORINATED BIPHENYLS	S,SOLID MIXTURE,9	001	Type	23000	WL/Vol.		
GENERATOR	2.		AL185914			2500			
5	2.		*				-		
	3.								
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14. S	pecial Handling Instructions and	Additional Information				l .		_	
15.	marked and labeled/placarded, a Exporter, I certify that the conten I certify that the waste minimizati rator's/offeror's Printed/Typed Na	ERTIFICATION: I hereby declare that the and are in all respects in proper condition for ts of this consignment conform to the terms on statement identified in 40 CFR 262.27(a terms).	or transport according to applicable intens s of the attached EPA Acknowledgment of a) (if I am a large quantity generator) or (national and nation of Consent. b) (if I am a small	nal govern quantity g	mental regulations. enerator) is true.	pping name, a If export shipm	nent and I am the Prin	nary Year
1 16 In	William Iternational Shipments	G, Johnson	on lu	Mi C	5/	otie	_	109/16	109
=I	sporter signature (for exports only	import to U.S. y):	Export from U.S.	Port of entry Date leaving					
17. Tr	ransporter Acknowledgment of Reporter 1 Printed/Typed Name	ceipt of Materials	Signature/		1			Month Day	Voor
N	ulin KAL	ALIE 9/65/3	882712	NA	L	el		19 1/6	.00
Trans	porter 2 Printed/Typed Name	1	Signature					Month Day	Year
18. D	iscrepancy								
18a. l	Discrepancy Indication Space	Quantity	Туре	Residue		Partial Reje	ection	Full Re	jection
18b, A	Alternate Facility (or Generator)		Mal	nifest Reference N	lumber:	U.S. EPA ID N	umber	_	
E Facilit	ty's Phone:					1			
	Signature of Alternate Facility (or	Generator)						Month Da	y Year
19. Ha	azardous Waste Report Manager	ment Method Codes (i.e., codes for hazard	ous waste treatment, disposal, and recy	ding systems)					1
1.	1 4150	2.	3.			4.			
		ator: Certification of receipt of hazardous m	naterials covered by the manifest except	as noted in Item	18a	(1			in.
	d/Typed Name	1 (SIN	Signature	In	0	101	NS	Month Day	Year
A Form	8700-22 (Rev. 3-05) Previo	us editions are obsolete.			1				

Form Approved: OMB No. 2050-003 Please print or type. (Form designed for use on elite (12-pitch) typewriter.) UNIFORM HAZARDOUS 1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone 4. Manifest Tracking Number **WASTE MANIFEST** LD0000002702 (800)424-8300 000945 5. Generator's Name and Mailing Address (ATTN). BILL JOHNSON) Generator's Site Address (if different than mailing address) SOLUTIA INC 575 MARYVILLE CENTRE DRIVE WIG KRUMMRICH PLANT ST LOUIS MO SAUGET IL 62208-1137 Generator's Phone: 6. Transporter 1 Company Name U.S. EPA ID Number BEELMAN ILR000135238 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number CHEMICAL WASTE MANAGEMENT, INC. HIGHWAY 17 NORTH, MILE MARKER 163 ALD0000822484 Facility's Phone. **EMELLE AL 35469** 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 11. Total 12. Unit 13. Waste Codes and Packing Group (if any)) НМ Quantity No. Type Wt./Vol. RQ, POLYCHLORINATED SIPHENYLS, SOLID MIXTURE, 9 X 001 DT ĸ 23000 AL185914 5 GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPAAcknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name Year Johnson William 16. International Shipments Ę import to U.S. Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S.: 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Month Year off Compbe Transporter 2 Printed/Typed Name Month K 18. Discrepancy 18a. Discrepancy Indication Space Type Quantity Partial Rejection ☐ Full Rejection Manifest Reference Number: FACILITY 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: DESIGNATED 18c. Signature of Alternate Facility (or Generator) Month Day Year 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

20. Designated Facility Owner or Operator, Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name

Ple	_	int or type. (Form designed for use on elite (12-pitch) typewriter.) 7. Page 1 of 3. Emergence 1. Generator ID Number 2. Page 1 of 3. Emergence 2. Page 2. Page 2. Page 3. Emergence 2. Page 3. Page 3. Page 3. Emergence 2. Page 3. Pa	2// C	580 Phone	23 14. Manifest	Form	Approved. OMB No	. 2050-003
	N	ASTE MANIFEST ILDOOO802702 1	(800)42	4-930	0 0	009		GBF
	Gene	575 MARYVILLE CENTRE DRIVE ST LOUIS MO 63141 rator's Phone:	SOLU	ra in Ruma	RICH PLA		37	
	6. Tr	ansporter 1 Company Name BEELMAN		**	U.S. EPA ID		0135236	
	7. Tra	ansporter 2 Company Name			U.S. EPA ID 1	Number		
П	8. De	signated Facility Name and Site Address			U.S. EPA ID I	Number		
	Facili	CHEMICAL WASTE MANAGEMEN HIGHWAY 17 NORTH, MILE MARI EMELLE AL 35439	IT, INC. CER 163		1	ALDO	00822484	
	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Contain No.	ers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Cod	les
GENERATOR -	X	1 RQ,POLYCHLORINATED BIPHENYLS,SOLID MD(TURE,9 UN3432,III AL185914	001	DT	23000	К		
- GENE		2.						
		3.						
		4.			- 8			1
П								
Н	14. S	acial Handling Instructions and Additional Information						
	ľ	SENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully a narked and labeled/placarded, and are in all respects in proper condition for transport according to applicable inte exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or	mational and nation of Consent.	nal govern	mental regulations.	ipping name, If export ship	and are classified, pac ment and I am the Prin	kaged, nary
	Gener	stade (Office and a District IT) and Normal	lin 6	7	1		Month Day 17	Year 7 109
INTE	Trans	emational Shipments Import to U.S. Export from U.S.	Port of entr Date leavin	y/exit:				
RTEF		Insporter Acknowledgment of Receipt of Materials Order 1 Printed/Typed Name Signature	5	-	a		Month Day	Year
TR ANSPORTER	Transp	Penni 5 Ebens vorter 2 Printed/Typed Name Signature	mis		les	_	Month Day	7 9 Year
1		crepancy						
	18a. D	iscrepancy Indication Space Quantity Type	Residue	Mumbar	Partial Rej	ection	Full Re	jection
CILITY	18b. A	ternate Facility (or Generator)	anifest Reference l	Number:	U.S. EPA ID N	lumber		
DESIGNATED FACILITY		's Phone: gnature of Alternate Facility (or Generator)	+	-			Month Da	y Year
ESIGN		zardous Waşte Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and rec	ycling systems)					
	1.	H38 2			4.			
		signated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest excep Typed Name Signature	ot as noted in Item		()	Y c	Month Day	Year
EPA	Form	8700-22 (Rev. 3-05) Previous editions are obsolete.	1111	10		N	4 10	41

	print or type. (Form designed for use on elite (12-pitch) typewriter.)						Approved. (OMB No. 2	2050-003
	IIFORM HAZARDOUS NASTE MANIFEST 1. Generator ID Number IL DOUDBO2702	2. Page 1 of 3. Emer	ency Response (800)42		4. Manifest	Tracking Nu	mber 1544	17 G	BF
Ger	Generator's Name and Mailing Address SOLUTIA INC (ATTM. BILL JOHNSON) 575 MARY VILLE CENTRE DRIVE ST LOUIS MO 67141271-5835	Generato	SOLUT	na ini Kuma	than mailing addres C RICH PLAI	ss)			
6. T	ransporter 1 Company Name				U.S. EPA ID N		013523	8	
7. T	ransporter 2 Company Name				U.S. EPA ID N	lumber			
8. D	esignated Facility Name and Site Address				U.S. EPA ID N	lumber			
Fac	HIGHWAY 17 NO EMELLE AL 354	TE MANAGEMENT ORTH, MILE MARK 19	ER 163		1	ALDO	006224	34	
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID N	lumber,	10. Containe	ers Type	11. Total Quantity	12. Unit Wt./Vol.	13. W	aste Codes	
	1 RQ,POLYCHLORINATED BIPHENYLS,SO UN9432,HI		001	DT	23000	K			
GENERATOR	2.	AL185914		-			+		
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15.	GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the content marked and labeled/placarded, and are in all respects in proper condition for transfexporter, I certify that the contents of this consignment conform to the terms of the I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I a	oort according to applicable intern attached EPA Acknowledgment o	ational and nation Consent.	nal governi	mental regulations.	pping name, a If export ship	and are classi ment and I an	fied, packaç n the Primai	ged, Ty
	William G. Jahrson		Ulin C				Month O 9	Day 7 / 7	Year 109
Tran	sporter signature (for exports only):	Export from U.S.	Port of entry Date leaving						
17. T	ransporter Acknowledgment of Receipt of Materials sporter 1 Printed/Typed Name	Signature	1			H	Month	Day	Year
Trans	Sporter 2 Printed Typed Name	Signature	langh	0	Elly	911	Month	7 7 Day	Year
	iscrepancy 🚣								<u> </u>
18a.	Discrepancy Indication Space Quantity Ty		Residue		Partial Reje	ction		Full Rejec	tion
18b. / Facility 18c. S	Alternate Facility (or Generator)	Man Man	fest Reference N	lumber:	U.S. EPA ID No	umber		_	
Facili	ty's Phone: Signature of Altemate Facility (or Generator)				1		Month	Davi	V
			/				IWOTH	n Day	Year
19. H 1.	azardous Waste Report Management Method Codes (i.e., codes for hazardous was	ste treatment, disposal, and recycles 3.	ing systems)		4.				
20 D	esignated Facility Owner or Operator: Certification of receipt of hazardous materials	covered by the manifest except	e noted in Home	180	1	-			
Printe	esignated Paginy Owner of Operator. Certification of recipit of nazeroous materials ad/Typed Name	Signature	is niced in item	Nr	12/5	(1)	Month	Day	Year
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	ed for use on elite (12-pitch) typewriter.)						Approved. OMB No	. 2050-00
WASTE MANIFEST	I. Generator ID Number	2. Page 1 of 3. Em	(800)42	4-830		0094	15448	GBI
575 MARYVI ST LOUIS M Generator's Phone:	Address C (ATTM. BILL JOHNSON) ILLE CENTRE DRIVE CHIEF 11-5835	Genera	SOLUT	ria ini Ruman	RICH PLAI IL 62	VT 208-11:	37	
6. Transporter 1 Company Name					U.S. EPAID N		0135238	
7. Transporter 2 Company Name					U.S. EPA ID N			-
8. Designated Facility Name and	Site Address				U.S. EPA ID N	lumber	57-5A	
Facility's Phone 205) 252-9	CHEMICAL WASTI HIGHWAY 17 NOR 721 EMELLE AL 35489	E MANAGEMEI YTH, MILE MAR	IT, INC. KER 163		1	ALDO	00822484	
	(including Proper Shipping Name, Hazard Class, ID Num	nber,	10. Contain	ers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Cod	es
X 1. RQ,POLYCHUN3432,III	ILORINATED BIPHENYLS, SOLI	D MIXTURE,9 AL186914	001	DT	23000	К		
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Please print or type. (Form designed for use on elife 12-pitch) typewriter.) Form Approved. OMB No. 2050-0039 4. Manifest Tracking Number 1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone **UNIFORM HAZARDOUS** GBF **WASTE MANIFEST** ILD000802702 (800)424-9300 **n**nn945 5. Generator's Name and Mailing Address SOLUTIA INC (ATTN. BILL JOHNSON) Generator's Site Address (if different than mailing address) SOLUTIA INC 575 MARYVILLE CENTRE DRIVE WG KRUMMRICH PLANT ST LOUIS MO SAUGET IL 62208-1137 Generator's Phone: 6. Transporter 1 Company Name U.S. EPA ID Number BEFLMAN LR000135238 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number CHEMICAL WASTE MANAGEMENT, INC. HIGHWAY 17 NORTH, MILE MARKER 163 ALD000822484 Facility's Phone. **EMELLE AL 35459** 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 9a 11. Total 12. Unit 13. Waste Codes and Packing Group (if any)) Quantity Wt. Vol No. Туре RQ,POLYCHLORINATED BIPHENYLS,SOLID MIXTURE.9 X 001 GENERATOR DT K 23000 AL188914 itional Information GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPAAcknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name Day Year WITIIam 09 09 16. International Shipments Import to U.S. Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S.: 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Month Year RANDALL STA Transporter 2 Printed/Typed Name Month 18. Discrepancy Type 18a. Discrepancy Indication Space Quantity Residue Partial Rejection Full Rejection Manifest Reference Number: 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: DESIGNATED 18c. Signature of Alternate Facility (or Generator) Month Day Year 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name

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Transpo	rter 2 Printed/Typed Nam		21	Signat	ture	1			Month	Day Year
_	repancy									
18a. Dis	crepancy Indication Spac	Quantity	Туре		Residue		Partial Reje	ection	F	ull Rejection
18b. Alto	emate Facility (or General	tor)	WPWP - SEC. B. C. S. S.		Manifest Referen	ce Number:	U.S. EPA ID N	umber		
Facility's	s Phone:						Î			
	nature of Alternate Facilit	y (or Generator)							Month	Day Year
	ardous Waste Report Mar		(i.e., codes for hazardous waste t		nd recycling systems	-				
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	gnated Facility Owner or Typed Name	Operator: Certification of	receipt of hazardous materials co-			em 18a	- 1	1	0.36	D-(-)
· micu/	Typou realite	n.	1-0110	Signat	uid	Inic	1 .	11/7	Month	Lay Yea

Form Approved. OMB No. 2050-0039 Please print or type. (Form designed for use on elite (12-pitch) typewriter.) 4. Manifest Tracking Number 1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone UNIFORM HAZARDOUS (800)424-9300 ILD000802702 **WASTE MANIFEST** 000945455 5. Generator's Name and Mailing Address (ATTN, BILL JOHNSON) Generator's Site Address (if different than mailing address) SOLUTIA INC 576 MARYVILLE CENTRE DRIVE WG KRUMMRICH PLANT ST LOUIS MO SAUGET IL 62208-1137 Generator's Phone: 6. Transporter 1 Company Name U.S. EPA ID Number BEELMAN ILR000135236 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number CHEMICAL WASTE MANAGEMENT, INC. HIGHWAY 17 NORTH, MILE MARKER 163 ALD000822484 Facility's Phone. **EMELLE AL 35469** 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 9a. 11. Total 12. Unit 13. Waste Codes and Packing Group (if any)) нм Quantity Wt./Vol No. Type RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE, 9 X 001 DT GENERATOR 3000 UN3432.III AL185914 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name Month Day Year 16. International Shipments Export from U.S. Port of entry/exit: Date leaving U.S.: Transporter signature (for exports only): 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Signature Month Day Year Transporter 2 Printed/Typed Name Ŗ 18. Discrepancy 18a. Discrepancy Indication Space Туре Partial Rejection Quantity Residue Full Rejection Manifest Reference Number: 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month Year Day DESIGN 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Signature

ease print or type. (Form design	gned for use on elite (12-pitch) typewriter.)						Approved. OMB N	o. 2050-00
UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator iD Number IL D0000802702	1	ency Response Ph (800)424	-9300	00	Tracking Num	5456	GBF
575 MARY ST LOUIS Generator's Phone:	ng Address NC (ATTM. BILL JOHNSON) VILLE CENTRE DRIVE MO 63141271-5835	Generator	's Site Address (if d SOLUTIV WG KRU SAUGET	a inc Make	an mailing addres RICH PLAN IL 62	s) IT 208-113		
6. Transporter 1 Company Nan					U.S. EPA ID N		0135236	
7. Transporter 2 Company Nan	ne	98			U.S. EPA ID N	umber		
8. Designated Facility Name ar	nd Site Address				U.S. EPA ID N	umber	-	
Facility's Phone	CHEMICAL WAST HIGHWAY 17 NO 9721 EMELLE AL 35461	TE MANAGEMENT RTH, MILE MARKI D	FR 163		į.	ALDOO	00822484	
	ion (including Proper Shipping Name, Hazard Class, ID Nu	umber,	10. Containers	Туре	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Co	des
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marked and labeled/placar Exporter, I certify that the of I certify that the waste min Generator's/Offeror's Printed/Ty	R'S CERTIFICATION: I hereby declare that the contents rided, and are in all respects in proper condition for transpo- contents of this consignment conform to the terms of the a imization statement identified in 40 CFR 262.27(a) (if I am ped Name	ort according to applicable intern ttached EPA Acknowledgment o a a large quantity generator) or (b Signature	ational and national Consent.	governmental gover	ental regulations.		nent and I am the Property Month D	imary ay Yea
Wi7/io w 16. International Shipments	Ped Name G. Johnson Import to U.S.	Export from U.S.	Port of entry/e:	0	tw		10911	10
Transporter signature (for exportant for exp	rts only):	Export nom o.o.	Date leaving U					
Transporter 1 Printed/Typed Nar		Signature Signature		2	El		Month D	y Year
Transporter 2 Printed/Typed Nar	ne	Signature					Month D	ay Year
18. Discrepancy 18a. Discrepancy Indication Spa	ICE Quantity Type		Residue		Partial Reje	ation		ejection
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18b. Alternate Facility (or General	ator)				U.S. EPA ID N	umber		
Facility's Phone: 18c. Signature of Alternate Facil	ity (or Generator)	- Cagui			<u> </u>		Month [ay Yea
19. Hazardous Waste Report Ma	anagement Method Codes (i.e., codes for hazardous wast	te treatment, disposal, and recyc	ing systems)			tillen i		
18b. Alternate Facility (or General Facility's Phone: 18c. Signature of Alternate Facility. Hazardous Waste Report Ma	+132 2	3.			4.			
20. Designated Facility Owner of Printed/Typed Name	r Operator: Certification of receipt of hazardous materials	covered by the manifest except Signature	as noted in Item 18a	a (W (Month D	ay) Kear
Form 8700-22 (Rev. 3-05)	revious editions are obsolete.		11111		04,	3		

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039 1. Generator ID Number 2. Page 1 of | 3. Emergency Response Phone 4. Manifest Tracking Number UNIFORM HAZARDOUS H_D000802702 GBF **WASTE MANIFEST** (800)424-9300 0009454 5. Generator's Name and Mailing Address (ATTN, BILL JOHNSON) Generator's Site Address (if different than mailing address) **SOLUTIA INC** WG KRUMMRICH PLANT ST LOUIS MO SAUGET IL 62208-1137 Generator's Phone: 6. Transporter 1 Company Name U.S. EPA ID Number BEELMAN LR000135238 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number CHEMICAL WASTE MANAGEMENT, INC. HIGHWAY 17 NORTH, MILE MARKER 163 ALD000822484 Facility's Phone: (205)(652-9721 **EMELLE AL 36489** 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 11. Total 12. Unit and Packing Group (if any)) 13. Waste Codes НМ No. Quantity Wt./Vol. Type RQ.POLYCHLORINATED BIPHENYLS.SOLID MIXTURE.9 X 001 OT K UN3432.III 23000 AL185914 4. 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name Day Year Willin G WI 6 14500 16. International Shipments Import to U.S. Export from U.S. Port of entry/exit: Date leaving U.S.: Transporter signature (for exports only): 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Signature Year Transporter 2 Printed/Typed Name 2 18. Discrepancy 18a. Discrepancy Indication Space Quantity ____ Type Residue □ Partial Rejection __ Full Rejection Manifest Reference Number: 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month Day DESIGNA 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Signature Month Year

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1	W	ASTE MANIFEST	1. Generator ID Number		2. Page 1 of 3. Em	ergency Response (000)42		4. Manifest	Tracking Nu	^{mber} 4545	8 GBF
	Gene	575 MARYV ST LOUIS M rator's Phone:	CONTROL BILL J BLLE CENTRE DR 10 6715/271-5835	OHNSON) IVE	Genera	SOLU	tia ini Rumm	than mailing addres C RICH PLAN IL 62	s) VT 208-1 1		
	6. Tra	nsporter 1 Company Name						U.S. EPA ID N		0135230	3
4	7. Tra	nsporter 2 Company Name						U.S. EPA ID N	lumber		
		signated Facility Name and	CHI	EMICAL WASTE IN HIMAY 17 NORTH ELLE AL 36489	ANAGEMEN I, MILE MARI	IT, INC. IER 163		U.S. EPA ID N		0002248	4
	9a. HM		(including Proper Shipping Na	ne, Hazard Class, ID Number,		10. Contain	ers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Wa	ste Codes
GENERATOR —	X	RQ,POLYCH UN3432,III	ILORINATED BIP	HENYLS, SOLID I	MXTURE,9 AL188914	001	DT	23000	K		
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		ecial Handling Instructions	and Additional Information			and the second					
	E I	ENERATOR'S/OFFEROR' narked and labeled/placarde xporter, I certify that the cor certify that the waste minimi ator's/Offeror's Printed/Type	S CERTIFICATION: I hereby or d, and are in all respects in protection of this consignment confization statement identified in 4 d Name	per condition for transport according to the terms of the attached CFR 262.27(a) (if I am a large	rding to applicable inte EPA Acknowledgmen	mational and national of Consent.	nal governi	enerator) is true	pping name, If export ship	ment and I am Month	the Primary Day Year
¥ L		emational Shipments orter signature (for exports	import to U.S.	ohn son	Export from U.S.	Port of entr	ry/exit:	tur		07	1709
RTER		nsporter Acknowledgment of orter 1 Printed/Typed Name		20/	Signature		1			Month	Day Year
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	ioa. Di	screpancy Indication Space	Quantity	Туре	L	Residue		Partial Reje	ction		Full Rejection
	18b. Al	temate Facility (or Generato	or)	··	M	anifest Reference	Number:	U.S. EPA ID N	umber		
-		's Phone: gnature of Alternate Facility	(or Generator)			1				Month	Day Year
DESIG	19. Haz	cardous Waste Report Mana	agement Method Codes (i.e., co	des for hazardous waste treatr	nent, disposal, and rec	ycling systems)		4.			
	20. Des	lignated Facility Owner or C	perator: Certification of receipt	of hazardous materials covered	by the manifest excep Signature	pt as noted in Item	18a	7	. 11	Monthy	Day Year
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WASTE MANIFEST LE0000802702	2. Page 1 of 3. Emerge			4. Manifest	racking Nur		
5. Generator's Name and Mailing Address	Generator	s Site Address (than mailing addres		15459	GBI
5. Generator's Name and Mailing Address SOLUTA INC (ATTIN. BILL JOHNSON) 575 MARYVILLE CENTRE DRIVE 6. Transported 1 Company Name 6. Transported 1 Company Name)	SOLUT	na ini Ruham	RICH PLAN IL 62	IT 206-113	37	
6. Transporter 1 Company Name				U.S. EPA ID N		0135236	
7. Transporter 2 Company Name				U.S. EPA ID N	umber		
8. Designated Facility Name and Site Address	-	10.00		U.S. EPA ID N	umber		-
Facility's Phone: HIGHWAY 17 EMELLE AL 3	ASTE MANAGEMENT NORTH, MILE MARKE 6460	R 163		1	ALDO	00822484	
9a. 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class and Packing Group (if any))	s, ID Number,	10. Contain		11. Total	12. Unit	13. Waste Coo	des
BO POLYCHI ORIMATED RIPHENYI S	SOLID MIXTURE,9	No.	Type	Quantity	Wt./Vol.		
	AL185914			23000			
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14. Special Handling Instructions and Additional Information		i					
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the commarked and labeled/placarded, and are in all respects in proper condition for Exporter, I certify that the contents of this consignment conform to the terms of I certify that the waste minimization statement identified in 40 CFR 262.27(a) Generator's/Offeror's Printed/Typed Name	transport according to applicable interna of the attached EPA Acknowledgment of (if I am a large quantity generator) or (b) Signature	tional and nation Consent.) (if I am a small	nal governi quantity go	nental regulations. enerator) is true.	oping name, a If export shipr	and are classified, pace nent and I am the Pri Month Da	mary
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	WASTE MANIFEST	Generator ID Number	- 1	nergency Response	M-030	4. Manifest	009	454	60	GBF
Ge	575 MARYVI ST LOUIS M nerator's Phone:	Address C (ATTN. BILL JOHNSON) ILLE CENTRE DRIVE O 63141271-5835	Gene	SOLU	TIA INI RUMM	than mailing addres C RICH PLAN	s)			
6.	Fransporter 1 Company Name					U.S. EPA ID N		001352	38	
7.	Fransporter 2 Company Name					U.S. EPA ID N	umber			
	Designated Facility Name and States	CHEMICAL WAST HIGHWAY 17 NO	TE MANAGEME RTH, MILE MAR)	NT, INC. ICER 163		U.S. EPA ID N		00822	184	
9a HA	9b. U.S. DOT Description	(including Proper Shipping Name, Hazard Class, ID Nur	mber,	10. Contain	ers Type	11. Total Quantity	12. Unit Wt./Vol.	13.1	Waste Code	es .
GENERATOR —	RQ,POLYCH UN3432,III	ILORINATED BIPHENYLS, SOL	ID MIXTURE,9 AL165914	001	DT	23000	2.0		and the second	-2x (97 min) yr
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	GENERATOR'S/OFFEROR'S marked and labeled/placarder Exporter, I certify that the com-	S CERTIFICATION: I hereby declare that the contents of d, and are in all respects in proper condition for transpotents of this consignment conform to the terms of the at zation statement identified in 40 CFR 262.27(a) (if I am	rt according to applicable in tached EPA Acknowledome	emational and nation of Consent.	nal governi	mental regulations.	oping name, If export ship	and are clas oment and I a	sified, pack am the Prim	aged, ary
↓	erator's/Offeror's Printed/Typed	l Name	0: 1	illi e	5/5			Mon	th Day 9 2/	
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	sporter 2 Printed/Typed Name		Signature			***		Mon	ith Day	Year
	Discrepancy Indication Space	Quantity	-	Residue		Partial Reje	ction		Full Reje	ection
18b.	Alternate Facility (or Generator	;)		fanifest Reference i	Number:	U.S. EPA ID No	ımber		3	
Faci 18c.	ity's Phone: Signature of Alternate Facility (or Generator)						Mor	nth Day	Year
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20.	Designated Facility Owner or Op	perator: Certification of seceipt of hazardous materials c	covered by the manifest exc	ept as noted in Item	18a	()				
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6. Tr	ansporter 1 Company Name						U.S. EPA ID N		0135238	
7. Tr	ansporter 2 Company Name		+0.1-		-		U.S. EPA ID N	lumber		
	esignated Facility Name and	CHEMICAL	WASTE MANAGE 17 NORTH, MILE N . 35489	MENT	, INC. R 163		U.S. EPAID N		00822484	
9a. HM		(including Proper Shipping Name, Hazard C	lass, ID Number,		10. Containe	ers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste C	odes
GENERATOR –	1. RQ,POLYCH UN3432,III	ILORINATED BIPHENYL	S,SOLID MIXTURE AL188		001	DT	23000	K		
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	marked and labeled/placarde Exporter, I certify that the cor	S CERTIFICATION: I hereby declare that th ad, and are in all respects in proper condition tents of this consignment conform to the ten ization statement identified in 40 CFR 262.27	for transport according to applications of the attached EPA Acknowle	able interna edament of	tional and nation Consent.	nal govern	mental regulations.	pping name, If export ship	and are classified, pa ment and I am the P	ackaged, rimary
Gene	rator's/Offeror's Printed/Type	d Name. Johnson	Sign	ature	i G		2			ay Year
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18a. E	Discrepancy Indication Space	Quantity	Туре		Residue		Partial Reje	ection	Full F	Rejection
18b. A	Altemate Facility (or Generato	or)		Manif	est Reference h	Number:	U.S. EPA ID N	umber	140	211.2
	y's Phone: Signature of Alternate Facility	(or Generator)					1	-	Month [Day Year
19. Ha	ezardous Waste Report Mana	agement Method Codes (i.e., codes for hazar	rdous waste treatment, disposal,	and recycli	ng systems)		₁ ,			
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	signated Facility Owner or O	perator: Certification of receipt of hazardous	materials covered by the manife		hin	(1	γ	Month D	ay Year
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W	ASTE MANIFEST	1. Generator ID Number	2. Page 1 of 3. E	nergency Response		4. Manifest		45462	GBI
Gene	ST LOUIS M erator's Phone:	Address C (ATTM. BILL JOHNSON) ILLE CENTRE DRIVE IO (814)271-5835	Gene	ator's Site Address SCLU WG 10 SAUG	TIA IN	C IRICH PLAN		37	
6. Tra	Insporter 1 Company Name					U.S. EPAID N		00135236	
7. Tra	insporter 2 Company Name					U.S. EPA ID N	lumber		-
8. De	signated Facility Name and			and the	_	U.S. EPA ID N	lumber		-
Facili	ty's Phone 205)652-9	CHEMICAL WAST HIGHWAY 17 NO 1721 EMELLE AL 36481	E MANAGEME RTH, MILE MAI)	NT, INC. KER 163		1	ALDO	00822484	
9a. HM	100	(including Proper Shipping Name, Hazard Class, ID Nu	mber,	10. Contain	ers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Co	des
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l r	SENERATOR'S/OFFEROR' narked and labeled/placarde exporter, I certify that the co	S CERTIFICATION: I hereby declare that the contents of ad, and are in all respects in proper condition for transpontents of this consignment conform to the terms of the at ization statement identified in 40 CFR 262.27(a) (if I am	rt according to applicable in tached EPA Acknowledgme	ternational and nation of Consent.	nal govern	mental regulations.	pping name, If export ship	and are classified, par ment and I am the Pri	kaged, mary
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11		FORM HAZARDOUS ASTE MANIFEST	ILD000802702	2. Page 1 of 3. Em	ergency Response			Tracking Nur	1546 3	GRE
Ш	5. Ge	nerator's Name and Mailing	Address CATTM. BILL JOHNSON BLLE CENTRE DRIVE 10 (2) 14271-5835	General General	ator's Site Address	(if different	than mailing addres C IRICH PLAI	ss)		<u>ab</u> 1
		Insporter 1 Company Name					U.S. EPA ID N		0135236	
-	7. Tra	nsporter 2 Company Name				_	U.S. EPAID N	- 142100761	0130230	
Ш	R De	signated Facility Name and	Site Address				110 581 51			
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1	1		2.	3.	/		4.			
20). Des	signated Facility Owner or C	Operator: Certification of receipt of hazardous n		pt as noted in Item	18a	1			
11P	nted	Typed Name	1 1 11	Signature	14.		([\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Month Da	y Year
EPA Fo	orm 8	3700-22 (Rev. 3-05) Pre	evious editions are obsolete.		111	177		11110		and.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039 1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone 4. Manifest Tracking Number UNIFORM HAZARDOUS GBF **WASTE MANIFEST** ILD000802702 (800)424-9300 000945 5. Generator's Name and Mailing Address
SOLUTIA INC (ATTM, BILL JOHNSON) Generator's Site Address (if different than mailing address) SOLUTIA INC 575 MARYVALLE CENTRE DRIVE WG KRUMMRICH PLANT ST LOUIS MO SAUGET IL 62208-1137 Generator's Phone: 6. Transporter 1 Company Name U.S. EPA ID Number REFLMAN ILR000135236 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number CHEMICAL WASTE MANAGEMENT, INC. HIGHWAY 17 NORTH, MILE MARKER 163 ALD000822464 Facility's Phone. EMELLE AL 36469 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 9a 11. Total 12. Unit 13. Waste Codes and Packing Group (if any)) НМ Quantity Wt./Vol. No. Type RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE.9 X GENERATOR 001 DT K AL185914 ditional Information 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name 1/am 16. International Shipments Import to U.S. Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S. 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Nam Month Transporter 2 Printed/Typed 18. Discrepancy 18a. Discrepancy Indication Space Type Quantity Residue Full Rejection □ Partial Rejection Manifest Reference Number: 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month Day Year 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Signature Day a

DESIGNATED FACILITY TO GENERATOR

ш,	NIFORM HAZARDOUS 1. Generator ID Number	2. Page 1 of 3. Emerg			4. Manifest	Tracking Num	ber	-
	WASTE MANIFEST ILD000802702	y-1	(800)42		0	0094	5465	GB
Ger	Generator's Name and Mailing Address SOLUTIA INCC (ATTIN. BILL JOHNSON) 575 MARYVILLE CENTRE DRIVE ST LOUIS MO 834171-6835	Generator	SOLUT	ra ink Lumm	RICH PLAI IL 62	VT 1208-113	7	
	Transporter 1 Company Name BEELMAN 800 - 388	819			U.S. EPA ID N		0135238	
7. 1	Transporter 2 Company Name		4,00		U.S. EPA ID N	lumber		
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9a.	a. 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Num	ber,	10. Containe	ers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Coo	es
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	7. Tra	nsporter 2 Company Name	4						U.S. EPA ID N	Number		
	8. De	signated Facility Name and		MICAL MACTE	DIABLACE	AGEAIT	1047		U.S. EPA ID N	Number		
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7. Transporting /2 Company Name 8. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT, INC. HIGHWAY 17 NORTH, MILE MARKER 163 Facility's Phone 9. Du U.S. DOT Describtion (including Proper Stipping Name, Hazard Class, ID Number, No. Typo Quantity With/Vi. 13. Waste Codes HIM. Total 12. Unit 13. Waste Codes AL 185914 1. RO, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE.9 10. DT 23000 K 1. Septial Handing, instructions and Additional Information 13. Septial Handing, instructions and Additional Information 14. Septial Handing, instructions and Additional Information 15. GEMERATOR SIGNER'S CERTIFICATION: I hereby disclare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged instruction and indicated properties of the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged instruction and indicated governmental regulations. It export shipping name, and are classified, packaged instruction and indicated governmental regulations. It export shipping name, and are classified, packaged instruction and instruction of the contents of this consignment contents of the stitute of EPA Association of the contents of the stitute of EPA Association of Consents. Separation of Consents. Separation of Consents. Month Day Yes 16. International Shipmans Import to U.S. Designation of Export from U.S. Date leaving U.S.:		Generato	575 MARY ST LOUIS I or's Phone:	WITE CE	attric del	HNSON) VE			Generator'	SOLUT	ita ini Ruman	than mailing address C RICH PLAS	ss) VT 208-113		
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Secretaria Handling instructions and additional Information Al. 185914 Secretaria Handling instructions and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the waste minimization statement identified in 40 CFR 282.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's (Offigor's Printed/Typed Name	Ш	9a. 9	9b. U.S. DOT Descripti	on (including Pro	per Shipping Name	e, Hazard Class,	ID Number,			·				13. Waste	Codes
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14. Special Handling Instructions and Additional Information 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the attached EPAAcknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed/Name	- GENE	2.					*								
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NATE	18c. Si	gnature of Alternate Facility	(or Generator)							Month	Day Year
DESIGNATED FACILITY	19. Ha	zardous Waste Report Mana	gement Method Codes (i.e., codes	for hazardous waste trea	atment, disposal, and rec	vcling systems)		T _A			
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Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039 1. Generator ID Number 4. Manifest Tracking Number UNIFORM HAZARDOUS 2. Page 1 of 3. Emergency Response Phone HLD000802702 GBF **WASTE MANIFEST** (800)424-9300 5. Generator's Name and Mailing Address TTM, BILL JOHNSON) Generator's Site Address (if different than mailing address) **SOLUTIA INC** 575 MARYVILLE WG KRUMMRICH PLANT ST LOUIS MO SAUGET 1 62208-1137 Generator's Phone: 6. Transporter 1 Company Name U.S. EPA ID Number BEELMAN ILR000135238 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number CHEMICAL WASTE MANAGEMENT, INC. HIGHWAY 17 NORTH, MILE MARKER 163 ALD000822484 Facility's Phone. EMELLE AL 35469 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 11. Total 12. Unit and Packing Group (if any)) 13. Waste Codes HM Quantity No. Type Wt./Vol. RQ.POLYCHLORINATED BIPHENYLS.SOLID MIXTURE.9 X 001 DT 23000 UN3432.III AL188914 dditional Information the first of the transfer of the first of the first of the state of th GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name IOM 16. International Shipments Import to U.S. Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S. 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Tyged Name Year 0 Transporter 2 Ponted/Typed Name Month 2 18. Discrepancy 18a. Discrepancy Indication Space Туре Quantity Residue □ Partial Rejection Full Rejection Manifest Reference Number: 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: ATED 18c. Signature of Alternate Facility (or Generator) Month Day Year **DESIGN** 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Signature

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Please print or type. (Form designed for use on effte (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039 UNIFORM HAZARDOUS 1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone 4. Manifest Tracking Number LD000802702 (800)424-9300 GBF **WASTE MANIFEST** 0009454 5. Generator's Name and Mailing Address TTW. BILL JOHNSON) Generator's Site Address (if different than mailing address) SOLUTIA INC 575 MARYVILLE CENTRE DRIVE WG KRUMMRICH PLANT ST LOUIS MO SAUGET IL 62208-1137 Generator's Phone: 6. Transporter 1 Company Name U.S. EPA ID Number BEELMAN ILR000135236 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number CHEMICAL WASTE MANAGEMENT, INC. HIGHWAY 17 NORTH, MILE MARKER 163 ALD000822484 Facility's Phone: EMELLE AL 35469 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 11. Total 12. Unit 13. Waste Codes and Packing Group (if any)) НМ Quantity Wt./Vol. No. Type RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE.9 X 001 DT GENERATOR 23000 UM3432.III AL188914 and Additional Information 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignifient are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true Generator's/Offeror's Printed/Typed Name Year Nilliam 16. International Shipments Import to U.S. Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S. 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Signature 0 Transporter 2 Printed/Typed Name Signature 18. Discrepancy 18a. Discrepancy Indication Space Type Quantity Residue □ Partial Rejection Full Rejection Manifest Reference Number: 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month Day Year 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Signature

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	VASTE MANIFEST enerator's Name and Mailing A	(ATTN. BILL JOHNSON)	Generato	r's Site Address (if different	than mailing addre		5477	GBF
	ST LOUIS MC erator's Phone:	LE CENTRE DRIVE (615)271-5835			NAME	RICH PLA	NT 2208-113	7	
	ansporter 1 Company Name					U.S. EPA ID I		0135236	
7. Ti	ansporter 2 Company Name					U.S. EPA ID N	Number		
	esignated Facility Name and S	CHEMICAL WAS HIGHMAY 17 NO	TE MANAGEMENT RTH, MILE MARK 9	F, INC. ER 183		U.S. EPA ID N		0822484	
9a. HM		including Proper Shipping Name, Hazard Class, ID Nu	umber,	10. Containe	ers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste C	odes
X	1 RQ,POLYCH UN3432,III	LORINATED BIPHENYLS, SOL	JD MIXTURE,9 AL185914	001	DT	23000	к		
*	2.								#
	3.								
	4.				-				
14.6	annial Handling Instructions on	d Additional Information							
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	ternational Shipments sporter signature (for exports o	Import to U.S.	Export from U.S.	Port of entry	y/exit:				
17. T	ansporter Acknowledgment of I porter 1 Printed/Typed Name	1	Signature	Al				Month D	ay Year
Trans	porter 2 Printed/Typed Name	Mathy	Signature		6			Month D	2 08 Day Year
18. D	iscrepancy								
188.	Discrepancy Indication Space	☐ Quantity ☐ Typ		Residue	Number:	Partial Rej	ection	Full I	Rejection
18b. /	Alternate Facility (or Generator)		*			U.S. EPAID N	lumber		
18c. 3	ty's Phone: Signature of Alternate Facility (d							Month	Day Year
19. H	azardous Wasfe Report Manag	gement Méthod Codes (i.e., codes for hazardous wast	te treatment, disposal, and recyc	ling systems)	0	4.			
	esignated Facility Owner or Op d/Typed Name	perator: Certification of receipt of hazardous materials	covered by the manifest except Signature	as noted in Item	18a		4 -	Month D	Day Year
A Form	8700-22 (Rev. 3-05) Prev	ious editions are obsolete.	()	111	110	11.01	ING	(h)	700

_	print or type. (Form designed for use on elite (12-pitch) typewriter.)	To B 4 (10.5					Approved. OMB I	No. 2050-00
1	WASTE MANIFEST ILDG09802702	2. Page 1 of 3. Emer	gency Response (800)42			Tracking Nun	15478	GBF
Ger	Generator's Name and Mailing Address SOLUTIA INC (ATTN. BILL JOHNSON) 575 MARYVILLE CENTRE DRIVE ST LOUIS MO \$314271-5835	Generato	SOLUT	na en Numb	than mailing addre	ss)		
6. T	Transporter 1 Company Name				U.S. EPA ID		0135238	
7. 7	ransporter 2 Company Name				U.S. EPA ID I			
8. D	Designated Facility Name and Site Address			-	U.S. EPA ID I	Number		
Fac	CHEMICAL WI HIGHWAY 17 I HILLE AL 35	ASTE MANAGEMEN CORTH, MILE MARK 489	T, INC. ER 163			ALDO	00822484	
9a.	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, I	D Number,	10. Containe	ers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste C	odes
GENERATOR X	1 RQ,POLYCHLORINATED BIPHENYLS,S UN3492,III	OLID MIXTURE,9 AL188914	001	DT	23000	K		
GENE	2.	-						
	3.							
	4.							
14.9	Special Handling Instructions and Additional Information							
	GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the continuance and labeled/placarded, and are in all respects in proper condition for the Exporter, I certify that the contents of this consignment conform to the terms of certific, that the question principal to the terms of the content of the c	ensport according to applicable intent the attached EPA Acknowledgment	national and nation of Consent.	nal govern	mental regulations.	ipping name, a	and are classified, panent and I am the P	ackaged, himary
Gene	I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if erator's/Offeror's Printed/Typed Name William S. Johnson	Signature	h G	. //				Day Year
=	nternational Shipments Import to U.S. isporter signature (for exports only):	Export from U.S.	Port of entry Date leaving	//exit:				
17. T	Transporter Acknowledgment of Receipt of Materials sporter 1 Printed/Typed Name	Signature			, ,		Month D	Day Year_
2	Anthony D. Ctwis		en	4	1		19/2	2/09
Trans	sporter 2 Printed/Typed Name .	Signature		-			Month D	Day Year
18. D	Discrepancy							
18a.	Discrepancy Indication Space Quantity	Туре	Residue	4	Partial Rej	ection	Full f	Rejection
18b.	Alternate Facility (or Generator)	Ma	nifest Reference N	lumber:	U.S. EPA ID N	lumber		
Essi	ity's Phone:				ă.			
	signature of Alternate Facility (or Generator)				1		Month !	Day Year
19. H	lazardous Waste Report Management Method Codes (i.e., codes for hazardous	waste treatment, disposal, and recy	cling systems)					
1.	4137 ²	3.	/	-10	4.			
	designated Facility Owner or Operator: Certification of receipt of hazardous mater		as noted in Item	18a \	1			
	ed/Typed Name	Signature	10	nd	(6)	eli	Month D	Day Year
PA Form	n 8700-22 (Rev. 3-05) Previous editions are obsolete.		7					

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number IL D000802702	2. Page 1 of 3. Emerge	(800)42		00	Tracking Nur	1547	79 (B
KTR MARY	NC (ATTN. BILL JOHNSON) VILLE CENTRE DRIVE MO (\$14271-5835	Generator	SOLUT	TA IM TURAN	han mailing addres	ss)			
6. Transporter 1 Company Nar					U.S. EPAID N		013623	6	
7. Transporter 2 Company Nan	ne				U.S. EPA ID N	lumber	-		
8. Designated Facility Name ar		ACTE MAMAGEMENT	1000	_	U.S. EPA ID N	lumber			-
Facility's Phone:	9721 HIGHMAY 17 I	ASTE MANAGEMENT NORTH, MILE MARKE 1499	R 163		1	ALDO	008224	84	
	ion (including Proper Shipping Name, Hazard Class,	ID Number,	10. Containe	ers Type	11. Total Quantity	12. Unit Wt./Vol.	13. W	/aste Code:	3
	CHLORINATED BIPHENYLS,S		001	DT	23000	K			
2.		AL185914			2300	1	-		
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									-
OSD 9/22/	s and Additional Information O 9 OR'S CERTIFICATION: I hereby declare that the cor	ntents of this consignment are fully and	accurately desc	rihed abov	e by the proper shi	inning name	and are class	ified nacks	han
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	for use on elite (12-pitch) typew Generator ID Number	iter.)	12.5			_		FUIII	Approved. O	MR NO. 2	:050
WASTE MANIFEST	ILD000802702		2. Page 1 of	3. Emerge	ncy Response (800)42		4. Manifest	Tracking Nu	4548	n G	iΒ
575 MARYVIL	(ATTN. BILL JOHNS LE CENTRE DRIVE (615)271-6895	SON)		Generator's	SOLU	na ini Ruma	than mailing addres C RICH PLAI	ss)		0	
6. Transporter 1 Company Name			***				U.S. EPA ID N		0135236	3	
7. Transporter 2 Company Name	1.0						U.S. EPA ID N	Number	-		
Designated Facility Name and Sit Facility's Phone: **Table 1.1** **Table	CHEMICA HIGHAAA	AL WASTI Y 17 NOR AL 35459	E MANAGE ITH, MILE M	MENT,	INC. R 163		U.S. EPA ID N	50.34	0082248	4	
	ncluding Proper Shipping Name, Haza	rd Class, ID Num	nber,		10. Contain		11. Total	12. Unit	13. Wa	ste Codes	
11111	ORINATED BIPHEN	/LS,SOLI	D MIXTURE	.9	No.	Type	23000	Wt./Vol.			
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Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039 1. Generator ID Number 4. Manifest Tracking Number 2. Page 1 of 3. Emergency Response Phone UNIFORM HAZARDOUS (800)424-9300 GBF NLD000802702 **WASTE MANIFEST** 5. Generator's Name and Mailing Address (ATTM, BILL JOHNSON) Generator's Site Address (if different than mailing address) SOLUTIA INC WG KRUMMRICH PLANT ST LOUIS MO SAUGET L 62208-1137 Generator's Phone: 6. Transporter 1 Company Name U.S. EPA ID Number BEELMAN ILR000135238 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number CHEMICAL WASTE MANAGEMENT, INC. HIGHWAY 17 MORTH, MILE MARKER 163 ALD000822484 Facility's Phone: (205) 352-9721 EMELLE AL 36469 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 9a 11. Total and Packing Group (if any)) 13. Waste Codes HM Quantity Wt./Vol. No. Type RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE, 9 X DT 001 GENERATOR UN3432,III 3000 AL185914 dditional Information 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true Generator's/Offeror's Printed/Typed Name Johnson 16. International Shipments Import to U.S. Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S. 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Signature Month Day Year Bruce CLOVER 38800 Bruce 09 22 Transporter 2 Printed/Typed Name K 18. Discrepancy 18a. Discrepancy Indication Space Quantity Type Residue ☐ Partial Rejection Full Rejection Manifest Reference Number: 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: DESIGNATED 18c. Signature of Alternate Facility (or Generator) Month Year Day 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Signature EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

PENJAM 39603 Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039 UNIFORM HAZARDOUS 1. Generator ID Number 4. Manifest Tracking Number 2. Page 1 of 3. Emergency Response Phone H_D000802702 **WASTE MANIFEST** (600)424-8300 5. Generator's Name and Mailing Address SOLUTIA INC (ATTN. BILL JOHNSON) Generator's Site Address (if different than mailing address) SOLUTIA INC 575 MARYVILLE CENTRE DRIVE ST LOUIS MO 83141-5836 WG KRUMMIRICH PLANT IL 62208-1137 Generator's Phone: 6. Transporter 1 Company Name U.S. EPA ID Number BEELMAN ILR000136238 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number CHEMICAL WASTE MANAGEMENT, INC. HIGHWAY 17 NORTH, MILE MARKER 163 ALD000822464 Facility's Phone. **EMELLE AL 36469** 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 9a. 10. Containers 11. Total 12. Unit 13. Waste Codes and Packing Group (if any)) НМ No. Type Quantity Wt./Vol. RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE.9 X 001 DT UN3432.III 23000 AL185914 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPAAcknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Qfferor's Printed/Typed Name Year William 16. International Shipments N Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S.: 17. Transporter Acknowledgment of Receipt of Materials ANSPORTER Transporter 1 Printed/Typed Name Signature JAMES W. Transporter 2 Printed/Typed Name 18. Discrepancy 18a. Discrepancy Indication Space Туре Residue -Quantity Partial Rejection Full Rejection Manifest Reference Number: 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: DESIGNATED 18c. Signature of Alternate Facility (or Generator) Day Month 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

Signatur

Printed/Typed Name

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

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V	NASTE MANIFEST	1. Generator ID Number		1		24-030	- M	0094	15483	GBF
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6. T	ransporter 1 Company Name						U.S. EPAID N		0135236	
7. Ti	ransporter 2 Company Name						U.S. EPÁ ID N	lumber		3
	esignated Facility Name and	CHE	MICAL WASTE I MAY 17 NORTH LLE AL 35459	MANAGEN H, MILE M	ENT, INC. ARKER 163		U.S. EPA ID N		00822464	
9a. HM	9b. U.S. DOT Descriptio	n (including Proper Shipping Nar	ne, Hazard Class, ID Number,		10. Conta	iners Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste C	odes
X	RQ,POLYCI UN3432,III	HLORINATED BIP	HENYLS,SOLID	MIXTURE, AL1869	001	DT	23000	K		
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15.	marked and labeled/placard Exporter, I certify that the co	'S CERTIFICATION: I hereby ded, and are in all respects in prontents of this consignment conformation statement identified in 44	per condition for transport acc rm to the terms of the attache	cording to applicab ed EPA Acknowled	e intemational and na ament of Consent.	tional govern	mental regulations.	pping name, a If export ship	and are classified, pa ment and I am the P	ackaged, rimary
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DESIGNATED FACILITY TO GENERATOR

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1	W	ASTE MANIFEST	I. Generator ID Number		2. Page 1 of 3. Em	ergency Response		4. Manifest		5484	GBF
		EPPER BAAR DOMAN A	Č ^{ódres} ÄTTN. BILL JOH ILLE CENTRE DRIVI O (612)271-5835	INSON) E	Genera	SOLU	runda Runda	RICH PLAN	s)		
	6. Tra	nsporter 1 Company Name BEELMAN						U.S. EPA ID N		0136238	
$\ $	7. Tra	nsporter 2 Company Name						U.S. EPAID N	umber		
П	8. De:	signated Facility Name and	Site Address					U.S. EPAID N	lumber		
	Facilit	y's Phone: 05)652-9	CHEMI HIGHI 721 EMELL	ICAL WASTE VAY 17 NOR LE AL 35459	MANAGEMEI TH, MILE MAR	IT, INC. ICER 163		O.O. EFAIDIN		10822484	
	9a. HM		(including Proper Shipping Name, F	Hazard Class, ID Numb	ber,	10. Contain	ers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste C	odes
GENERATOR -	X	RQ,POLYCH UN3432,III	ILORINATED BIPHE	NYLS,SOLI	O MOXTURE,9 AL185914	001	DT	23000	K		
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	14. So	ecial Handling Instructions a	and Additional Information							-	
	n E I	ENERATOR'S/OFFEROR's harked and labeled/placarde exporter, I certify that the con	S CERTIFICATION: I hereby declar d, and are in all respects in proper of tents of this consignment conform to zation statement identified in 40 CFI d Name	condition for transport to the terms of the attack R 262.27(a) (if I am a	according to applicable into ched EPA Acknowledgmen	mational and nation	nal govern	mental regulations.	pping name, a If export shipn	Month D	nimary
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TR ANSPORTER	Transp	orter 2 Printed/Typed Name			Signature					Month C	ay Year
<u>⊢</u>	18. Dis	crepancy									
	18a. Di	screpancy Indication Space	Quantity	Туре		Residue		Partial Reje	ction	☐ Full I	Rejection
≥	18b. Al	ternate Facility (or Generato	r)		M	anifest Reference	Number:	U.S. EPA ID No	umber		
FACIL	Facility	's Phone:						¥.			
DESIGNATED FACILITY		gnature of Alternate Facility	(or Generator)		-	**				Month	Day Year
S	19. Haz	zardous Waste Report Mana	gement Method Codes (i.e., codes	for hazardous waste tr	reatment, disposal, and red	vcling systems)					
- DES	1.	/ H	135-2		3.	juning dystorital		4.			
	Pfinted	Typed Name	perator: Certification of receipt of ha	zardous materials cov	vered by the manifest exce Signature	44	18a	1/10	ek	Month D	ay Year

-1		Generator ID Number	2. Page 1 of 3. Emer			4. Manifest	Tracking Num	pproved. OMB ber	
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	RTE MARRYAN	(ÅTTM. BILL JOHNSON) LE CENTRE DRIVE (616)271-6898	Generald	SOLU	da ini Rumm	RICH PLAN		7	
6. Tr	ansporter 1 Company Name					U.S. EPAID N		135238	
7. Tr	ansporter 2 Company Name					U.S. EPA ID N	lumber		
8. De	esignated Facility Name and Si					U.S. EPA ID N	lumber		
Facil	ity's Phone.	CHEMICAL WAS HIGHWAY 17 NO 21 EMELLE AL 3545	TE MANAGEMEN' RTH, MILE MARK 9	F, INC. ER 163		i -	ALDOO	0822404	
9a. HM		ncluding Proper Shipping Name, Hazard Class, ID No	umber,	10. Contain		11. Total	12. Unit	13. Waste C	Codes
4	1 RQ,POLYCHI	LORINATED BIPHENYLS, SOL	ID MIXTURE,9	No.	Type	Quantity	Wt./Vol.	1	1
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14 S	pacial Handling Instructions an	d Additional Information							
	marked and labeled/placarded, Exporter, I certify that the conte I certify that the waste minimiza	CERTIFICATION: I hereby declare that the contents and are in all respects in proper condition for transpets of this consignment conform to the terms of the attorn statement identified in 40 CFR 262.27(a) (if I and	ort according to applicable interr attached EPA Acknowledgment on a large quantity generator) or (ational and nation	nal govern	mental regulations.	pping name, a If export·shipπ	ent and I am the F	Primary
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18a. [Discrepancy Indication Space	Quantity Typ	oe	Residue		Partial Reje	ection	Full	Rejection
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	ignature of Alternate Facility (o	r Generator)				L		Month	Day Yea
19. Ha	zardous Waste Report Manag	ement Method Codes (i.e., codes for hazardous was	te treatment, disposal, and recvo	ding systems)			-		
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		erator: Certification of receipt of hazardous materials		as noted in Item	18a	1			
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1	WASTE MANIFEST	1. Generator ID Number ILDX080802702	1		ency Response (800)42	4-930	4. Manifest	0094	15486	GBF
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6. T	ransporter 1 Company Name BEELMAN						U.S. EPA ID N		0136236	
7. T	ransporter 2 Company Name						U.S. EPA ID N	lumber		
	esignated Facility Name and	CHEMICAL V HIGHWAY 17	WASTE MANAGE MORTH, MILE N 16489	MENT	, INC. R 163		U.S. EPA ID N	WE .	00822484	
9a. HM	9b. U.S. DOT Description	(including Proper Shipping Name, Hazard Clas	s, ID Number,		10. Contain	ers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste C	odes
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14 5	Special Handling Instructions	and Additional Information								
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18b. /	Alternate Facility (or Generato	or)		Manif	est Reference I	Number:	U.S. EPA ID N	umber		
Facili 18c. S	ty's Phone: Signature of Alternate Facility	(or Generator)	*	-			1		Month	Day Year
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	esignated Facility Owner or Q	perator: Certification of receipt of hazardous ma		est except a	s noted in Item	18a		1 10	и.б.	- V.
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Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039 1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone 4. Manifest Tracking Number UNIFORM HAZARDOUS ILD000802702 **WASTE MANIFEST** (800)424-8300 5. Generator's Name and Mailing Address TTN. BILL JOHNSON) Generator's Site Address (if different than mailing address) **SOLUTIA INC** 575 MARYVILLE CENTRE DRIVE WIG KRUMMIRICH PLANT ST LOUIS MO 11/271-6895 SAUGET IL 62208-1137 Generator's Phone: 6. Transporter 1 Company Name U.S. EPA ID Number BEELMAN ILR000135236 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number CHEMICAL WASTE MANAGEMENT, INC. HIGHWAY 17 NORTH, MILE MARKER 163 ALD000822484 Facility's Phone: **EMELLE AL 36469** 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 9a. 11. Total 12. Unit 13. Waste Codes and Packing Group (if any)) HM Quantity Wt./Vol No. Type RQ,POLYCHLORINATED BIPHENYLS,SOLID MIXTURE.9 X 001 DT UN3432.HI 23000 AL185914 GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name Day Year William Gi Import to U.S. Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S. 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Month Year 2 09 Transporter 2 Printed/Typed Name K 18. Discrepancy 18a. Discrepancy Indication Space Туре Quantity __ Residue Full Rejection Manifest Reference Number: 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month Day Year 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) DESI 20. Designated Facility Owner or Operator. Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Signature EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039 1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone 4. Manifest Tracking Number UNIFORM HAZARDOUS H_D000802702 0009454 **WASTE MANIFEST** (800)424-9300 5. Generator's Name and Mailing Addre Generator's Site Address (if different than mailing address) (ATTN. BILL JOHNSON) SOLUTIA INC **575 MARYVILLE CENTRE DRIVE** WIG KRUMMRICH PLANT **8T LOUIS MO** SAUGET IL 62208-1137 Generator's Phone: 6. Transporter 1 Company Name U.S. EPA ID Number BEEL MAN ILR000135238 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number CHEMICAL WASTE MANAGEMENT, INC. HIGHMAY 17 NORTH, MILE MARKER 163 ALD000822484 Facility's Phone. EMELLE AL 35459 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 9a. 10. Containers 11. Total 12. Unit 13. Waste Codes and Packing Group (if any)) НМ Quantity No. Wt.Vol Type RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE, 9 001 DT GENERATOR AL185914 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.

I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name Day Tohnson NIlliam 09 16. International Shipments Import to U.S. Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S. 17. Transporter Acknowledgment of Receipt of Materials Transporter > Printed/Typed Name Signature Year TR ANSPO Transporter 2 Printed/Typed Name Signature 18. Discrepancy 18a. Discrepancy Indication Space Partial Rejection Full Rejection 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month Day Year 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of teceipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Signature

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1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone 4. Manifest Tracking Number UNIFORM HAZARDOUS ILD000802702 **WASTE MANIFEST** (800)424-9300 5. Generator's Name and Mailing Address SOLUTIA INC (ATTN. BILL JOHNSON) Generator's Site Address (if different than mailing address) SOLUTIA INC 575 MARYVILLE CENTRE DRIVE WG KRUMMRICH PLANT ST LOUIS MO 67 1271-5835 SAUGET IL 62208-1137 Generator's Phone: 6. Transporter 1 Company Name U.S. EPA ID Number BEELMAN ILR000135238 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number CHEMICAL WASTE MANAGEMENT, INC. HIGHWAY 17 NORTH, MILE MARKER 183 ALD000822484 Facility's Phone **EMELLE AL 35489** 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 9a. 11. Total 12. Unit 13. Waste Codes and Packing Group (if any)) НМ Quantity No. Wt./Vol Туре RQ, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE, 9 X 001 DT 2*300*0 AL185914 OSD 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name Signature Year 16. International Shipments Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S.: 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Year Ummalor 05 Transporter 2 Printed/Typed Name 18. Discrepancy 18a. Discrepancy Indication Space Quantity Residue Partial Rejection Full Rejection Manifest Reference Number: 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month Day Year 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Nam Signature

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Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039 1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone 4. Manifest Tracking Number UNIFORM HAZARDOUS LD000802702 **WASTE MANIFEST** 1 (800)424-9300 5. Generator's Name and Mailing Address (ATTW. BILL JOHNSON) Generator's Site Address (if different than mailing address) SOLUTIA INC 575 MARYVILLE CENTRE DRIVE ST LOUIS MO 69141 WG KRUMMRICH PLANT SAUGET IL 62206-1137 Generator's Phone: 6. Transporter 1 Company Name U.S. EPA ID Number REELMAN ILR000135236 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number CHEMICAL WASTE MANAGEMENT, INC. HIGHMAY 17 NORTH, MILE MARKER 163 ALD000822484 Facility's Phone. 205)852-9721 **EMELLE AL 35459** 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 9a. 11. Total 12. Unit 13. Waste Codes and Packing Group (if any)) HM Quantity Wt./Vol. No. Туре RQ.POLYCHLORINATED BIPHENYLS, SOLID MIXTURE, 9 X GENERATOR 001 DT UN3432,M and Additional Information 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name WIII 10m 16. International Shipments Import to U.S. Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S. 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Day Year TR ANSPOR Kuit Neteneyer 23 69 Transporter 2 Printed/Typed Name Signature Month Year Day 18. Discrepancy 18a. Discrepancy Indication Space Type Residue Quantity Partial Rejection Full Rejection Manifest Reference Number; 18b. Alternate Facility (or Generator) U.S. EPA ID Number FACILITY Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month Day Year 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) DESI 1. 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Signature

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5. Generator's Name and Mailing Address (ATTM. Bill JOHNSON) 575 MARYVILLE CENTRE DRIVE ST LOUIS MO 6314171-6655 Generator's Phone: Generator's Name and Mailing Address Generator's Site Address (if different than mailing address) SOLUTIA INC WG KRUMBARICH PLANT SAUGET IL 62200	
6. Transporter 1 Company Name U.S. EPA ID Numbe	R000136236
7. Transporter 2 Company Name U.S. EPA ID Number	
8. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT, INC. HIGHWAY 17 NORTH, MILE MARKER 163 EMELLE AL 36489 Facility's Phone: U.S. EPA ID Number	LD000822484
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17. Tran	orter signature (for exports	s only): of Receipt of Materials	41-		Date leavir	-				
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_	crepancy screpancy Indication Space	e Quantity	Туре	·	Residue		Partial Rej	ection	Full F	Rejection
18b. Alt	ernate Facility (or Generat	or)			Manifest Reference	Number:	U.S. EPAID N	lumber		
	s Phone; inature of Altemate Facility	(or Generator)	17						Month E	Day Yea
19. Haz	ardous Waste Report Man	nagement Method Codes (i.e., co	odes for hazardous waste	treatment, disposal, and r	cycling systems)		4.			
	14	1335	el ini	J.	1		4.			
	ignated Facility Owner or o	Operator: Certification of receipt	of hazardous materials ∞	vered by the manifest exc Signature	ept as noted in Item	18a	()	116,	Month D	ay Year
Form 8	700-22 (Rev. 3-05) Pr	evious editions are obsolete				1111	-1 (bund)	1 100		-1

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ase print or type. (Form d						- Isaa		n Approved	. OMB No.	2050-
UNIFORM HAZARDOU WASTE MANIFEST	T ILDI	00902702	1	mergency Response	M-890	200	009	455	00	GB
575 MAR ST LOUR Generator's Phone:	YVILLE CENTI MO 6141	BILL JOHNSON) RE DRIVE 5835	Ger	erator's Site Address SOLU WG KI SAUG	runda Runda	C IRICH PLAI IL 62	NT 1208-11	137		
6. Transporter 1 Company						U.S. EPA ID N		001352	36	
7. Transporter 2 Company	lame					U.S. EPA ID N	lumber	20.000		-
Designated Facility Name	and Site Address					U.S. EPA ID N	Jumber	Time.		_
Facility's Phone.	2-0721	CHEMICAL WI HIGHWAY 17 EMELLE AL 31	ASTE MANAGEMI NORTH, MILE MA 1400	ENT, INC. RKER 163		1		000822	184	
9a. 9b. U.S. DOT Desc	iption (including Proper SI	nipping Name, Hazard Class,	ID Number,	10. Contair		11. Total	12. Unit	13.	Waste Code	es
1 80 801		D RIPHENYI S S	OLID MIXTURE,9	No.	Туре	Quantity	Wt./Vol.			Γ
X UN3492,	N	S 2011 1 12211 1 504	AL16591	UUI	DT	23000	K			
2.										
3.				4		-				
3.								4.		
4.		100-010	SEN.		Ů.					
marked and labeled/pla Exporter, I certify that t	carded, and are in all resp e contents of this consign ninimization statement ide	ects in proper condition for to ment conform to the terms of	ntents of this consignment are fu ansport according to applicable the attached EPA Acknowledgn f I am a large quantity generato Signatup	international and nation tent of Consent.) or (b) (if I am a smal	nal govern	mental regulations.	ipping name If export shi	, and are cla ipment and I	am the Prim	ary
William		Johnson	1 2	ulli	2 1	tu	-		923	3 0
16. International Shipments Transporter signature (for ex	Import to U.	S.	Export from U.S.	Port of ent Date leavir						
17. Transporter Acknowledge	ent of Receipt of Materials		7	- //						
Transporter 1 Printed/Typed Transporter 2 Printed/Typed	Jeff	COM	Signature	MASS	9	MAS		Mor Mor	92	Y /
18. Discrepancy				.0			_			L
18a. Discrepancy Indication	Space Quantity	E	Туре	Residue		Partial Reje	ection	[Full Rej	ection
18b. Alternate Facility (or Ge	nerator)			Manifest Reference	Number:	U.S. EPA ID N	umber	_		
Facility's Phone:		ALC:				4				
18c. Signature of Alternate F	icility (or Generator)							Mo	nth Day	/ \\
19. Hazardous Waste Report		les (i.e., codes for hazardous	waste treatment, disposal, and	recycling systems)						_
1 /113	2.		3.	1		4.				
	r or Operator: Certification	of receipt of hazardous mate	rials covered by the manifest e		18a	11				
Printed/Typed Name	101	SIL	Signature	Inv	11	10	11	Ma	nth Day	1
= 000000001100	Previous editions are	oheoloto		711	1	-	- 2/3	-	-	1

	signed for use on elite (12-pitch) typewriter.) 1. Generator ID Number	In Deced of In Server		Di	14 10 17 4		Approved. OMB N	lo. 2050-00
UNIFORM HAZARDOUS WASTE MANIFEST	ILD000802702	2. Page 1 of 3. Emerg	(CDD)42			Tracking Num	5501	GBF
ST LOUIS Generator's Phone:	INC (ATTN. BILL JOHNSON) (VILLE CENTRE DRIVE MO 4914171-5856	. Generator	SOLUT	TA INI TUNA	RICH PLAN		37	
6. Transporter 1 Company N		9	400		U.S. EPAID N		D135236	
7. Transporter 2 Company Na	ame	-			U.S. EPA ID N	lumber		
8. Designated Facility Name Facility's Phone.	CHEMICAL WAS HIGHWAY 17 N	STE MANAGEMENT ORTH, MILE MARKI 59	, INC. ER 163		U.S. EPA ID N		00022464	
	otion (including Proper Shipping Name, Hazard Class, ID	Number,	10. Containe		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Co	odes
	CHLORINATED BIPHENYLS,SO	AL188914	001	Type	23000	K		
2.								
3.	- x**	پ ند						
4.								+
		-						
marked and labeled/place Exporter, I certify that the	OR'S CERTIFICATION: I hereby declare that the conter arded, and are in all respects in proper condition for trans contents of this consignment conform to the terms of the inimization statement identified in 40 CFR 262.27(a) (if I a typed Name	port according to applicable internate attached EPA Acknowledgment of am a large quantity generator) or (b Signature	ational and nation Consent.) (if I am a small	nal govern quantity g	mental regulations. enerator) is true.	pping name, a If export shipr	nent and I am the Pr	nimary
Wi7/io w 16. International Shipments	G. Johnson	l lu	Mi G	pt	in	-	10912	3 09
Transporter signature (for exp	AND THE RESERVE TO THE PARTY OF	Export from U.S.	Port of entry Date leaving					
17. Transporter Acknowledgme Transporter 1 Printed/Typed N		Signature	1				Month D	ay Year
17. Transporter Acknowledgme Transporter Printed/Typed N. Transporter 2 Printed/Typed N	M 48119	Signature		_	mes		1912	ay Year
18. Discrepancy		1						_1_
18a. Discrepancy Indication Sp	sdinsection 14 perd	pe Bill Johnson. S Mani	Residue 1/24/09 lest Reference N	JB Number:	Partial Reje	ection	Full F	Rejection
18b. Alternate Facility (or Gene Facility's Phone: 18c. Signature of Alternate Facility 19. Hazardous Waste Report No.	erator)				U.S. EPA ID No	umber		
18c. Signature of Alternate Fac	The state of the s						Month [Day Yea
19. Hazardous Waste Report M	Management Method Codes (i.e., codes for hazardous wa	iste treatment, disposal, and recycl	ing systems)		4.		*	
20 Designated Facility Owner Printed/Typed Name	or Operator. Certification of receipt of hazardous material	s covered by the manifest except a	s noted in Item	18a	()	C	Month D	ay Year
11/1/1/	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 11	1 7	1 1 1 1	A.A	M /	N B

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Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039 1. Generator ID Number 4. Manifest Tracking Number 2. Page 1 of 3. Emergency Response Phone **UNIFORM HAZARDOUS WASTE MANIFEST** ILD000902702 (800)424-8300 5. Generator's Nam ne and Mailing Address
UTIA INC (ATTN. BILL JOHNSON) Generator's Site Address (if different than mailing address) SOLUTIA INC 575 MARYVILLE CENTRE DRIVE WIG KRUMMRICH PLANT ST LOUIS MO SAUGET IL 62208-1137 Generator's Phone: 6. Transporter 1 Company Name U.S. EPA ID Number BEELMAN ILR000135238 7. Transporter 2 Company Name U.S. EPA ID Number 8. Designated Facility Name and Site Address U.S. EPA ID Number CHEMICAL WASTE MANAGEMENT, INC. HIGHWAY 17 NORTH, MILE MARKER 163 ALD000822484 Facility's Phone. 215) 332-9721 **EMELLE AL 35489** 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, 10. Containers 9a 11. Total 12. Unit 13. Waste Codes and Packing Group (if any)) НМ No. Quantity Wt./Vol. Type RQ,POLYCHLORINATED BIPHENYLS,SOLID MIXTURE.9 X 001 DT AL186914 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name William 16. International Shipments Import to U.S. Export from U.S. Port of entry/exit: 불 Transporter signature (for exports only): Date leaving U.S. 17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Signature Month Year Transporter 2 Printed/Typed Name Signature 2 18. Discrepancy 18a. Discrepancy Indication Space Quantity Residue Partial Rejection Full Rejection Manifest Reference Number: 18b. Alternate Facility (or Generator) U.S. EPA ID Number FACILITY Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month Day Year DESIGN 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18s Printed/Typed Nami

ATTACHMENT B

RESULTS OF LABORATORY ANALYSIS FOR BACKFILL MATERIAL SAMPLES



PDC Laboratories, Inc.

3278 N. Highway 67 • Florissant, MO 63033 (314) 432-0550 • (800) 333-FAST (3278) • FAX (314) 432-4977



Laboratory Results

SOLUTIA 500 MONSANTO AVE

SAUGET, IL 62206 Attn: Mr. Justin Prien Date Received : 04/29/09 14:40 Report Date : 05/14/09 Customer # : 276527

P.O. Number : 4503801938/JP

Facility:

Sample No: 09048472-1		Collect Date 04/28/09 15:15		
Client ID: WGK09-LIT MO-C	Site :		Locator:	
Parameter	Qualifier	Result	Analysis Date	Analyst
EPA METHOD 8081M				
PCBs Total	<	2 mg/kg Dry	05/07/09 16:16	JK
SM (18) 2540B				
Moisture	н	5.6 %	05/05/09 16:00	FM =
H - Method Hold Time Exceeded				
SW-846 1311				
Final pH			04/29/09 16:40	MEP
Final pH		5.78	04/29/09 16:40	MEP
Leachate Preparation		00	04/29/09 16:40	MEP
Leachate Preparation			04/29/09 16:40	MEP
SW-846 1311/8260			(4)	
1.1-Dichloroethene		50 ug/l	05/11/09 21:12	8P
1,1-Dichloroethene Spike Rec.	•	80 %	05/11/09 21:12	8P
1.2-Dichloroethane	<	50 ug/l	05/11/09 21:12	8P
1,2-Dichloroethane Spike Rec.	-	92 %	05/11/09 21:12	BP
1.4-Dichlorobenzene	<	50 ug/l	05/11/09 21:12	BP
1,4-Dichlorobenzene Spike Rec.		84 %	05/11/09 21:12	BP
2-Butanone	<	100 ug/i	05/11/09 21:12	8P
2-Butanone Spike Rec.		71 %	05/11/09 21:12	BP
Benzene	<	50 ug/l	05/11/09 21:12	BP
Benzene Spike Rec.		97 %	05/11/09 21:12	BP
Carbon Tetrachloride	<	50 ug/l	05/11/09 21:12	8P
Carbon Tetrachloride Spike Rec.		110 %	05/11/09 21:12	BP
Chlorobenzene	<	50 ug/l	05/11/09 21:12	BP
Chlorobenzene Spike Rec.		110 %	05/11/09 21:12	BP
Chloroform	<	50 ug/l	05/11/09 21:12	BP
Chloroform Spike Rec.		76 %	05/11/09 21:12	BP
Tetrachloroethene	<	50 ug/i	05/11/09 21:12	BP
Tetrachloroethene Spike Rec.		90 %	05/11/09 21:12	BP
Trichloroethene	<	50 ug/i	05/11/09 21:12	8P
Trichloroethene Spike Rec.		75 %	05/11/09 21:12	BP
Vinyl Chloride	** <	50 ug/l	05/11/09 21:12	BP
Vinyl Chloride Spike Rec.		99 %	05/11/09 21:12	BP



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Laboratory Results

SOLUTIA 500 MONSANTO AVE

SAUGET, IL 62206 Attn: Mr. Justin Prien Date Received: 04/29/09 14:40

Report Date : 05/14/09 Customer # :276527

P.O. Number: 4503801938/JP

Sample No: 09048472-1	The same are the same and the s	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Collect Date 04/28/09 15	5:15
Client ID: WGK09-LIT MO-C	Site:	- 4	Locator:	
Parameter	Qualifier	Result	Analysis Date	Analyst
SW-846 1311/8270C				

Parameter	Qualifier	Result	Analysis Date	Analyst	
SW-846 1311/8270C					
2,4,5-Trichlorophenol	<	100 ug/t	05/12/09 17:34	JK	
2,4,5-Trichlorophenol Spike Rec.		72 %	05/12/09 17:34	JK	
2,4,6-Trichlorophenol	<	100 ug/l	05/12/09 17:34	JK	
2,4,6-Trichlorophenol Spike Rec.		80 %	05/12/09 17:34	JK	
2,4-Dinitrotoluene	<	100 ug/l	05/12/09 17:34	JK	
2,4-Dinitrotoluene Spike Rec.		102 %	05/12/09 17:34	JK	
2-Methylphenol	<	100 ug/l	05/12/09 17:34	JK	
2-Methylphenol Spike Rec.		72 %	05/12/09 17:34	JK	
4-Methylphenol	<	100 ug/i	05/12/09 17:34	JK	
4-Methylphenol Spike Rec.		74 %	05/12/09 17:34	JK ¹²	
Hexachlorobenzene	<	100 ug/l	05/12/09 17:34	JK =	
Hexachlorobenzene Spike Rec.		69 %	05/12/09 17:34	JK	
Hexachlorobutadiene	<	100 ug/l	05/12/09 17:34	JK	
Hexachlorobutadiene Spike Rec.		68 %	05/12/09 17:34	JK	
Hexachloroethane	- III <	100 ug/l	05/12/09 17:34	JK	
Hexachloroethane Spike Rec.		65 %	05/12/09 17:34	JK	
Nitrobenzene	<	100 ug/l	05/12/09 17:34	JK	
Nitrobenzene Spike Rec.		67 %	05/12/09 17:34	JK	
Pentachlorophenol	<	100 ug/l	05/12/09 17:34	JK	
Pentachlorophenol Spike Rec.		86 %	05/12/09 17:34	JK	
Pyridine	<	100 ug/l	05/12/09 17:34	JK	
Pyridine Spike Rec.		60 %	05/12/00 17:34	114	



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Laboratory Results

SOLUTIA 500 MONSANTO AVE

SAUGET, IL 62206 Attn: Mr. Justin Prien Date Received : 04/29/09 14:40

Report Date : 05/14/09 Customer # : 276527

P.O. Number: 4503801938/JP

Sample No: 09048472-2		Co	llect Date 04/28/09 1	5:20
Client ID: WGK09-LIT MO-S	Site :		Locator:	
Parameter	Qualifier	Result	Analysis Date	Analyst
EPA METHOD 8081M PCBs Total		3.2 mg/kg Dry	05/07/09 16:46	JK .
SM (18) 2540B				
Moisture	н	6.6 %	05/05/09 16:00	FM
H - Method Hold Time Exceeded				
SW-846 1311				
Final pH		5.86	04/29/09 16:40	MEP
Final pH			04/29/09 16:40	MEP
Leachate Preparation			04/29/09 16:40	MEP
Leachate Preparation			04/29/09 16:40	MEP
SW-846 1311/8260				
1,1-Dichloroethene	<	50 ug/t	05/11/09 22:17	BP
1,2-Dichloroethane	<	50 ug/l	05/11/09 22:17	BP
1,4-Dichlorobenzene	<	50 ug/i	05/11/09 22:17	BP BP
2-Butanone	<	100 ug/l	05/11/09 22:17	BP
Benzene	<	50 ug/i	05/11/09 22:17	BP
Carbon Tetrachloride	<	50 ug/l	05/11/09 22:17	BP
Chlorobenzene	<	50 ug/l	05/11/09 22:17	BP
Chloroform	<	50 ug/l	05/11/09 22:17	BP
Tetrachloroethene	<	50 ug/l	05/11/09 22:17	BP
Trichloroethene	<	50 ug/l	05/11/09 22:17	BP 9
Vinyl Chloride	<	50 ug/l	05/11/09 22:17	BP
SW-846 1311/8270C				
2,4,5-Trichlorophenol	<	100 ug/i	05/12/09 19:13	JK
2,4,6-Trichlorophenol	<	100 ug/l	05/12/09 19:13	JK
2,4-Dinitrotoluene	<	100 ug/l	05/12/09 19:13	JK
2-Methylphenol	<	100 ug/l	05/12/09 19:13	JK
4-Methylphenol	<	100 ug/l	05/12/09 19:13	JK
Hexachlorobenzene	<	100 ug/l	05/12/09 19:13	JK
Hexachlorobutadiene	<	100 ug/l	05/12/09 19:13	JK
Hexachloroethane	· · · · · · · · · · · · · · · · · · ·	100 ug/l	05/12/09 19:13	JK
Nitrobenzene	<	. 100 ug/l	05/12/09 19:13	JK
Pentachlorophenol	<	100 ug/i	05/12/09 19:13	JK
Pyridine	<	100 ug/l	05/12/09 19:13	JK



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Laboratory Results

SOLUTIA 500 MONSANTO AVE

SAUGET, IL 62206 Attn: Mr. Justin Prien Date Received : 04/29/09 14:40 Report Date : 05/14/09

Customer # : 276527

P.O. Number : 4503801938/JP

Sample No: 09048472-3		Co	lect Date 04/28/09	15:25
Client ID: WGK09-LIT MO-N	Site:	71	Locator:	
Parameter	Qualifier	Result	Analysis Date	Analyst
EPA METHOD 8081M	9			
PCBs Total	<	2 mg/kg Dry	05/07/09 17:15	JK
SM (18) 2540B				-
Moisture	н	6.5 %	05/05/09 16:00	FM
H - Method Hold Time Exceeded	262	0.0 /6	03/03/09 10:00	rw -
SW-846 1311				
Final pH			04/29/09 16:40	MEP
Final pH		5.86	04/29/09 16:40	MEP
Leachate Preparation		0.00	04/29/09 16:40	MEP
Leachate Preparation			04/29/09 16:40	MEP
SW-846 1311/8260			0 125.00 10.10	
1,1-Dichloroethene	<	50 ug/l	05/11/09 22:50	00
1,2-Dichloroethane		50 ug/l	05/11/09 22:50	BP BP
1,4-Dichlorobenzene	<	50 ug/l	05/11/09 22:50	BP
2-Butanone	<	100 ug/l	05/11/09 22:50	BP
Benzene	<	50 ug/l	05/11/09 22:50	BP
Carbon Tetrachloride	<	50 ug/l	05/11/09 22:50	BP .
Chlorobenzene	<	50 ug/t	05/11/09 22:50	BP
Chloroform	<	50 ug/l	05/11/09 22:50	BP III III III
Tetrachloroethene	<	50 ug/l	05/11/09 22:50	8P
Trichloroethene	<	50 ug/i	05/11/09 22:50	BP
Vinyl Chloride	<	50 ug/l	05/11/09 22:50	BP
SW-846 1311/8270C				
2,4,5-Trichlorophenol	<	100 ug/l	05/12/09 20:03	JK
2,4,6-Trichlorophenol	<	100 ug/i	05/12/09 20:03	JK
2,4-Dinitrotoluene	<	100 ug/I	05/12/09 20:03	JK
2-Methylphenol	<	100 ug/l	05/12/09 20:03	JK
4-Methylphenol		100 ug/t	05/12/09 20:03	JK
Hexachlorobenzene	<	100 ug/l	05/12/09 20:03	JK
Hexachiorobutadiene	<	100 ug/l	05/12/09 20:03	JK
Hexachloroethane	<	100 ug/l	05/12/09 20:03	JK
Nitrobenzene	<	100 ug/l	05/12/09 20:03	JK
Pentachlorophenol	<	100 ug/l	05/12/09 20:03	JK
Pyridine	<	100 ug/l	05/12/09 20:03	JK



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Laboratory Results

SOLUTIA 500 MONSANTO AVE

SAUGET, IL 62206 Attn: Mr. Justin Prien Date Received :04/29/09 14:40

Report Date : 05/14/09 Customer # : 276527

P.O. Number: 4503801938/JP

Sample No: 09048472-4		Collect Date	04/28/09 15:30
Client ID: WGK09-LIT MO-E	Site:	Locator	

OROTE ID . WORDS LIT MOL	ORG.		Locator:	
Parameter	Qualifier	Result	Analysis Date	Analyst
EPA METHOD 8081M				
PCBs Total	×	5.9 mg/kg Dry	05/07/09 17:44	JK
SM (18) 2540B				
Moisture	= н	5.9 %	05/05/09 16:00	FM
H - Method Hold Time Exceeded				
SW-846 1311				
Final pH		5.92	04/29/09 16:40	MEP
Final pH			04/29/09 16:40	MEP
Leachate Preparation			04/29/09 16:40	MEP
Leachate Preparation			04/29/09 16:40	MEP
SW-846 1311/8260				
1,1-Dichloroethene	<	50 ug/l	05/11/09 23:22	500
1.2-Dichloroethane		50 ug/l	05/11/09 23:22	BP BP
1,4-Dichlorobenzene		50 ug/l	05/11/09 23:22	BP
2-Butanone	<	100 ug/l	05/11/09 23:22	BP
Benzene	<	50 ug/l	05/11/09 23:22	BP
Carbon Tetrachloride	<	50 ug/l	05/11/09 23:22	BP BP
Chlorobenzene	<	50 ug/l	05/11/09 23:22	BP
Chloroform	<	50 ug/l	05/11/09 23:22	BP
Tetrachloroethene	<	50 ug/l	05/11/09 23:22	BP
Trichloroethene	<	50 ug/l	05/11/09 23:22	BP
Vinyl Chloride	<	50 ug/l	05/11/09 23:22	BP
SW-846 1311/8270C				
2,4,5-Trichlorophenol	<	100 ug/i	05/12/09 20:52	JK
2,4,6-Trichlorophenol	<	100 ug/i	05/12/09 20:52	JK
2,4-Dinitrotoluene	<	100 ug/i	05/12/09 20:52	JK
2-Methylphenol	<	100 ug/i	05/12/09 20:52	JK
4-Methylphenol	<	100 ug/l	05/12/09 20:52	JK
Hexachlorobenzene	<	100 ug/l	05/12/09 20:52	JK
Hexachlorobutadiene	<	100 ug/l	05/12/09 20:52	JK
Hexachioroethane	<	100 ug/l	05/12/09 20:52	JK
Nitrobenzene	<	100 ug/l	05/12/09 20:52	JK
Pentachiorophenoi	<	100 ug/l	05/12/09 20:52	JK
Pyridine	<	100 ug/l	05/12/09 20:52	JK



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Laboratory Results

SOLUTIA 500 MONSANTO AVE

SAUGET, IL 62206 Attn: Mr. Justin Prien Date Received :04/29/09 14:40

Report Date : 05/14/09 Customer # : 276527

P.O. Number: 4503801938/JP

Sample No: 09048472-5		Co	llect Date 04/28/09 1	5:35
Client ID: WGK09-LIT MO-W	Site :	,	Locator:	
Parameter	Qualifier	Result	Analysis Date	Analyst
EPA METHOD 8081M				
PCBs Total		2 mg/kg Dry	05/07/09 18:14	JK
SM (18) 2540B				
Moisture	н	7.5 %	05/05/09 16:00	FM
H - Method Hold Time Exceeded		7.0 70	00/00/00 10:00	100
SW-846 1311				
Final pH			04/29/09 16:40	MEP
Final pH		6.01	04/29/09 16:40	MEP
Leachate Preparation		0.01	04/29/09 16:40	MEP
Leachate Preparation			04/29/09 16:40	MEP
SW-846 1311/8260			0 1120/00 10.40	. 41 . . 7 0
1,1-Dichloroethene	<	50 ug/l	05/11/09 23:55	BP
1.2-Dichloroethane	~	50 ug/l	05/11/09 23:55	8P
1.4-Dichlorobenzerie	2	50 ug/i	05/11/09 23:55	BP BP
2-Butanone	~	100 ug/i	05/11/09 23:55	BP
Benzene	<	50 ug/l	05/11/09 23:55	8P
Carbon Tetrachloride	<	50 ug/i	05/11/09 23:55	BP
Chlorobenzene	<	50 ug/l	05/11/09 23:55	BP
Chloroform	<	50 ug/l	05/11/09 23:55	BP
Tetrachloroethene	<	50 ug/l	05/11/09 23:55	8P
Trichloroethene -	<	50 ug/t	05/11/09 23:55	8P
Vinyl Chloride	<	50 ug/t	05/11/09 23:55	BP
SW-846 1311/8270C				
2,4,5-Trichlorophenol	<	100 ug/i	05/12/09 21:41	JK .
2,4,6-Trichlorophenol	<	100 ug/l	05/12/09 21:41	JK
2,4-Dinitrotoluene	<	100 ug/l	05/12/09 21:41	JK
2-Methylphenol	<	100 ug/l	05/12/09 21:41	JK
4-Methylphenol	<	100 ug/l	05/12/09 21:41	JK
Hexachlorobenzene	<	100 ug/l	05/12/09 21:41	JK
Hexachlorobutadiene	<	100 ug/l	05/12/09 21:41	JK
Hexachloroethane	<	100 ug/i	05/12/09 21:41	JK
Nitrobenzene	<	100 ug/l	05/12/09 21:41	JK
Pentachlorophenol	<	100 ug/l	05/12/09 21:41	JK
Pyridine	<	100 ug/l	05/12/09 21:41	JK



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PDC Laboratories, Inc. - St. Louis 3278 N. Highway 67 (Lindbergh) www.pdclab.com www.environmetrics.net Florissant, MO 63033

CHAIN OF CUSTODY RECORD

(314) 432-4977 or (314) 921-4494 Phone (314) 432-0550 or (314) 921-4488

State where samples collected

(Instructions/Sample Acceptance Policy on Reverse)

FOR LAB USE ONLY 185060 MOOT REMARKS 2068:0 LOGGED BY: _ PROU, MGR.: LAB PROL # TEMPLATE COMMENTER (FOR LAS USE ONLY) The sample temperature will be measured upon recolot at the lab. By influting this area, you reques that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0.1.6.0°C. By not influting this area, you allow the lab to proceed with ensighted leating ALL SHADED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT) 9,35 PATE 4 9 જ Bu MEANS SHIPPED EMAIL ADDRESS less of the sample terry NAS NAS 105 Soci Hearth Car . P.O. NUMBER FAX NUMBER 4-29-09 9120 4-29-08 10:00 4-18-09 15:20 +28-09 15.30 4-28-01 15:25 4-28-09 15:35 4-23-08 10:15 4-29-08 9:15 4-28 09 15 15 NOTEMAL (9-10 Ban Chyni, 2003) (5 Ban Chys) Festening (5 Ban Chys) 1-2 Ban Chys Same Chy TURNABOLARDITALE (REISH TAT 18 SUBJECT TO POCLABS APPROVALAND SURCHARGE) PHONEIFAXE IF DIFFERENT FROM ABOVE **验** PROJECT NAMER 9 11 SS PHONE NUMBER Porte S W6K09-Li+M0-C Lit MO-N MO-W Lit MO-E Dirt Conc REBUTS BY CAME FAX PHONE CALL WG K 09-1,+ MO W/+K09-5Tan WEK09-Polo NFK09- 22 WF-K09-W6K09-WG-109-NI-K09-DATE DUE

Thank you for using PDC Laboratories, Inc. Locations in Peoria, IL; St. Louis, MO; and Springfield, MO

6 PAGE

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DATE

RECEIVED BY: RECEIVED BY

DATE M

RELINGUISHED BY: (SIGNATURE) RELINCUISHED BY: (BIGNATURE)

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004 FAX: 618-344-1005

September 17, 2009

Jeff Faust Environmental Consultants, LLC #6 Meadow Heights Professional Park Collinsville, IL 62234

TEL: (618) 343-3590 FAX: (618) 343-3597

RE: Hayden - Solutia Backfill 09-0-404



NELAP Accredited #100226

WorkOrder: 09090464

Dear Jeff Faust:

TEKLAB, INC received 5 samples on 9/14/2009 1:15:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Shelly A. Hennessy

Shelly A Hennesoy

Project Manager

(618)344-1004 ex 36

5445 HORSESHOE LAKE ROAD **COLLINSVILLE. ILLINOIS 62234**

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: Environmental Consultants, LLC Project: Hayden - Solutia Backfill 09-0-404 CASE NARRATIVE

LabOrder: 09090464 Report Date: 17-Sep-09

Cooler Receipt Temp: 6.4 °C

State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

Qualifiers

DF - Dilution Factor

RL - Reporting Limit

ND - Not Detected at the Reporting Limit

Surr - Surrogate Standard added by lab

TNTC - Too numerous to count (> 200 CFU)

Q - QC criteria failed or noncompliant CCV

B - Analyte detected in the associated Method Blank

J - Analyte detected below reporting limits

R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

X - Value exceeds Maximum Contaminant Level

- Unknown hydrocarbon

NELAP - IL ELAP and NELAP Accredited Field of Testing

IDPH - IL Dept. of Public Health

C - Client requested RL below PQL

D - Diluted out of sample

E - Value above quantitation range

H - Holding time exceeded

MI - Matrix interference

DNI - Did not ignite

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: Environmental Consultants, LLC

Client Project: Hayden - Solutia Backfill 09-0-404

WorkOrder: 09090464

Client Sample ID: 01 (A-E)

Lab ID: 09090464-001

Collection Date: 9/14/2009 10:00:00 AM

Report Date: 17-Sep-09 Matrix: SOLID

Analyses	Certification	RL.	Qual	Result	Units	DF	Date Analyzed	Analys
EPA SW846 3550C, 5035A, AST	M.D2974							
Percent Moisture	22	0.1		15.5	%	1	9/15/2009 1:35:00	PM MK
STANDARD METHODS 18TH I	ZD. 2540 G							
Total Solids		0.1		84.5	%	1	9/15/2009 1:35:00	PM MK
SW-846 3550B, 8270C SEMI-VO	LATILE ORGANIC CO	MPOU	NDS BY	GC/MS				
TPH-DRO (C10 - C21)		14.2		ND	mg/Kg-dry	1	9/15/2009 2:53:00 [M MA
Surr: 2-Fluorobiphenyl	12	-133		63.7	%REC	1	9/15/2009 2:53:00	PM MA
Surr: Nitrobenzene-d5	30.9	-115		69.2	%REC	1	9/15/2009 2:53:00	M MA
Surr: p-Terphenyl-d14	31.5	-137		64.8	%REC	1	9/15/2009 2:53:00 [PM MA
SW-846 3550B, 8270C, SEMI-VO	LATILE ORGANIC CO	MPOU	NDS BY	GC/MS				
1,2,4-Trichlorobenzene	NELAP 0	.592		ND	mg/Kg-dry	1	9/16/2009 5:36:00 /	AM DM
1,2-Dichlorobenzene	NELAP 0	.592		ND	mg/Kg-dry	1	9/16/2009 5:36:00 /	AM DM
1,3-Dichlorobenzene	NELAP 0	.592		ND	mg/Kg-dry	1	9/16/2009 5:36:00 /	AM DM
1,4-Dichlorobenzene	NELAP 0	.592		ND	mg/Kg-dry	1	9/16/2009 5:36:00 /	AM DM
2,4,5-Trichlorophenal	NELAP 0	.414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 /	AM DM
2,4,6-Trichlorophenal	NELAP 0	.414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 /	AM DM
2,4-Dichlorophenol	NELAP 0	.592		ND	mg/Kg-dry	1	9/16/2009 5:36:00 /	AM DM
2,4-Dimethylphenol	NELAP 0	.592		ND	mg/Kg-dry	1	9/16/2009 5:36:00 /	AM DM
2,4-Dinitrophenol	NELAP	1.18		ND	mg/Kg-dry	1	9/16/2009 5:36:00 /	AM DM
2,4-Dinitrotoluene	NELAP 0.	.414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 /	AM DM
2,6-Dinitrotoluene	NELAP 0	.414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 /	AM DM
2-Chloronaphthalene	NELAP 0.	.414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 /	AM DM
2-Chlorophenol	NELAP 0.	.592		ND	mg/Kg-dry	1	9/16/2009 5:36:00 /	AM DM
2-Methoxy-4-methylphenol	0.	.770		ND	mg/Kg-dry	1	9/16/2009 5:36:00 /	M DM
2-Methylnaphthalene	NELAP 0.	.414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 /	M DM
2-Nitroaniline	NELAP	1.18		ND	mg/Kg-dry	1	9/16/2009 5:36:00 /	M DM
2-Nitrophenol	NELAP 0.	.414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 /	MC MA
3,3'-Dichlorobenzidine	NELAP 0.	.414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 /	M DM
3-Nitroanlline	NELAP	1.18		ND	mg/Kg-dry	1	9/16/2009 5:36:00 /	M DM
4,6-Dinitro-2-methylphenol	NELAP	1.18		ND	mg/Kg-dry	1	9/16/2009 5:36:00 /	M DM
4-Bromophenyl phenyl ether	NELAP 0.	.414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 /	M DM
4-Chloro-3-methylphenol	NELAP 0.	.592		ND	mg/Kg-dry	1	9/16/2009 5:36:00 /	M DM
4-Chloroaniline	NELAP 0.	.592		ND	mg/Kg-dry	1	9/16/2009 5:36:00 /	M DM
4-Chlorophenyl phenyl ether	NELAP 0.	414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 /	M DM
4-Nitroaniline	NELAP 0.	.592		ND	mg/Kg-dry	1	9/16/2009 5:36:00 /	M DM
4-Nitrophenol	NELAP 0.	414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 /	M DM
Acenaphthene	NELAP 0.	414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 /	M DM
Acenaphthylene	NELAP 0.	414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 /	
Aniline	NELAP 0.	.592		ND	mg/Kg-dry	1	9/16/2009 5:36:00 /	

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: Environmental Consultants, LLC

Client Project: Hayden - Solutia Backfill 09-0-404

WorkOrder: 09090464

Client Sample ID: 01 (A-E)

Lab ID: 09090464-001

Collection Date: 9/14/2009 10:00:00 AM

Report Date: 17-Sep-09

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 3550B, 8270C, SEMI-VO	LATILE ORGANIC	COMPO	UNDS BY	GC/MS				
Anthracene	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 A	M DMI
Azobenzene		0.414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 A	M DMI
Benzidine	NELAP	1.25		ND	mg/Kg-dry	1	9/16/2009 5:36:00 Al	M DM
Benzo(a)anthracene	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 Al	M DM
Benzo(a)pyrene	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 Al	M DMI
Benzo(b)fluoranthene	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 Al	M DM
Benzo(g,h,i)perylene	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 AI	M DMI
Benzo(k)fluoranthene	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 Al	M DMI
Benzoic acid	NELAP	1.78		ND	mg/Kg-dry	1	9/16/2009 5:36:00 Al	M DMI
Benzyl alcohol	NELAP	0.592		ND	mg/Kg-dry	1	9/16/2009 5:36:00 Al	M DMI
Bis(2-chloroethoxy)methane	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 Al	M DMI
Bis(2-chloroethyl)ether	NELAP	0.592		ND	mg/Kg-dry	1	9/16/2009 5:36:00 Al	M DMI
Bis(2-chloroisopropyl)ether	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 Al	M DMF
Bis(2-ethyihexyi)phthalate	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 Al	M DMI
Butyl benzyl phthalate	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 Al	M DMI
Carbazole		0.592		ND	mg/Kg-dry	1	9/16/2009 5:36:00 AI	M DMI
Chrysene	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 Al	M DMI
Dibenzo(a,h)anthracene	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 Al	M DMI
Dibenzofuran	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 Al	M DMI
Diethyl phthalate	NELAP	0.592		ND	mg/Kg-dry	1	9/16/2009 5:36:00 Al	M DM
Dimethyl phthalate	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 Al	M DM
Di-n-butyl phthalate	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 Al	M DM
Di-n-octyl phthelate	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 Al	M DMI
Fluoranthene	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 Al	M DMI
Fluorene	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 Al	M DMI
Hexachlorobenzene	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 A	M DMI
Hexachlorobutadiene	NELAP	0.592		ND	mg/Kg-dry	1	9/16/2009 5:36:00 A	M DMF
Hexachlorocyclopentadiene	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 Al	
Hexachloroethane	NELAP	0.592		ND	mg/Kg-dry	1	9/16/2009 5:36:00 Al	M DMF
ndeno(1,2,3-cd)pyrene	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 AI	M DMI
Isophorone	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 5:35:00 Al	M DMI
m,p-Cresol	NELAP	0.592		ND	mg/Kg-dry	1	9/16/2009 5:36:00 A	
Naphthalene	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 AM	M DMI
Nitrobenzene	NELAP	0.592		ND	mg/Kg-dry	1	9/16/2009 5:36:00 Al	
N-Nitrosodimethylamine	NELAP	0.592		ND	mg/Kg-dry	1	9/16/2009 5:36:00 Al	
N-Nitroso-di-n-propylamine	NELAP	0.592		ND	mg/Kg-dry	1	9/16/2009 5:36:00 Al	
N-Nitrosodiphenylamine	NELAP	0.592		ND	mg/Kg-dry	1	9/16/2009 5:36:00 Al	
o-Cresol	NELAP	0.592		ND	mg/Kg-dry	1	9/16/2009 5:36:00 Al	

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: Environmental Consultants, LLC

Client Project: Hayden - Solutia Backfill 09-0-404

WorkOrder: 09090464

Client Sample ID: 01 (A-E)

Lab ID: 09090464-001

Collection Date: 9/14/2009 10:00:00 AM

Report Date: 17-Sep-09 Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 3550B, 8270C, SEMI-VOLA	TILE ORGANIC	COMPO	UNDS BY	GC/MS				
Pentachiorophenol	NELAP	2.37		ND	mg/Kg-dry	1	9/16/2009 5:36:00 A	M DMI
Phenanthrene	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 A	M DM
Phenol	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 5:36:00 A	M DM
Pyrene	NELAP	0.592		ND	mg/Kg-dry	1	9/16/2009 5:36:00 A	M DMI
Pyridine	NELAP	0.592		ND	mg/Kg-dry	1	9/16/2009 5:36:00 A	M DMI
1,2-Diphenylhydrazine		0.994		ND	mg/Kg-dry	1	9/16/2009 5:36:00 A	M DMI
Surr: 2,4,6-Tribromophenol	32	2.7-130		84.7	%REC	1	9/16/2009 5:36:00 A	M DMI
Surr: 2-Fluorobiphenyl	34	1.1-116		84.2	%REC	1	9/16/2009 5:36:00 A	M DMI
Surr: 2-Fluorophenol	3	30.5-99		72.0	%REC	1	9/16/2009 5:36:00 A	M DMI
Surr: Nitrobenzene-d5	34	.1-101		72.7	%REC	1	9/16/2009 5:36:00 A	M DMI
Surr: Phenol-d5	34	l. 9 -110		81.4	%REC	1	9/16/2009 5:36:00 A	M DMI
Surr: p-Terphenyl-d14	· 41	.7-124		110.1	%REC	1	9/16/2009 5:36:00 A	M DMI
SW-846 5035, 8260B, VOLATILE O	RGANIC COMPO	UNDS E	Y GC/MS					
1,1,1,2-Tetrachloroethane	NELAP	5.08		ND	μg/Kg-dry	1	9/15/2009 12:17:00 P	M RW
1,1,1-Trichloroethane	NELAP	5.08		ND	μg/Kg-dry	1	9/15/2009 12:17:00 P	M RW
1,1,2,2-Tetrachioroethane	NELAP	5.08		ND	µg/Kg-dry	1	9/15/2009 12:17:00 P	M RW
1,1,2-Trichloro-1,2,2-trifluoroethene		5.08		ND	μg/Kg-dry	1	9/15/2009 12:17:00 P	M RW
1,1,2-Trichloroethane	NELAP	5.08		ND	μg/Kg-dry	1	9/15/2009 12:17:00 P	M RW
1,1-Dichloro-2-propanone		50.8		ND	µg/Kg-dry	_1_	9/15/2009 12:17:00 P	M RWI
1,1-Dichloroethane	NELAP	5.08		ND	μg/Kg-dry	1	9/15/2009 12:17:00 P	M RW
1,1-Dichloroethene	NELAP	5.08		ND	µg/Kg-dry	1	9/15/2009 12:17:00 P	M RWI
1,1-Dichloropropene	NELAP	5.08		ND	µg/Kg-dry	1	9/15/2009 12:17:00 P	M RWI
1,2,3-Trichlorobenzene	NELAP	5.08		ND	µg/Kg-dry	1	9/15/2009 12:17:00 P	M RW
1,2,3-Trichloropropane	NELAP	10.2		ND	μg/Kg-dry	1	9/15/2009 12:17:00 P	M RW
1,2,3-Trimethylbenzene		5.08		ND	µg/Kg-dry	1	9/15/2009 12:17:00 P	M RW
1,2,4-Trichlorobenzene	NELAP	5.08		ND	μg/Kg-dry	1	9/15/2009 12:17:00 P	M RWI
1,2,4-Trimethylbenzene	NELAP	5.08		ND	μg/Kg-dry	1	9/15/2009 12:17:00 P	M RWI
1,2-Dibromo-3-chloropropane	NELAP	5.08		ND	μg/Kg-dry	1	9/15/2009 12:17:00 P	M RWI
1,2-Dibromoethane	NELAP	5.08		ND	μg/Kg-dry	1	9/15/2009 12:17:00 P	M RWI
1,2-Dichlorobenzene	NELAP	5.08		ND	μg/Kg-dry	1	9/15/2009 12:17:00 P	M RWI
1,2-Dichloroethane	NELAP	5.08		ND	μg/Kg-dry	1	9/15/2009 12:17:00 P	
1,2-Dichloropropane	NELAP	5.08		ND	μg/Kg-dry	1	9/15/2009 12:17:00 P	
1,3,5-Trimethylbenzene	NELAP	5.08		ND	µg/Kg-dry	1	9/15/2009 12:17:00 P	
1,3-Dichlorobenzene	NELAP	5.08		ND	µg/Kg-dry	1	9/15/2009 12:17:00 P	
1,3-Dichloropropane	NELAP	5.08		ND	μg/Kg-dry	1	9/15/2009 12:17:00 P	
1,4-Dichlorobenzene	NELAP	5.08		ND	µg/Kg-dry	1	9/15/2009 12:17:00 P	
1-Chlorobutane	NELAP	5.08		ND	μg/Kg-dry	1	9/15/2009 12:17:00 P	
2,2-Dichloropropane	NELAP	5.08		ND	μg/Kg-dry	1	9/15/2009 12:17:00 P	

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: Environmental Consultants, LLC

Client Project: Hayden - Solutia Backfill 09-0-404

WorkOrder: 09090464

Client Sample ID: 01 (A-E)

Lab ID: 09090464-001

Collection Date: 9/14/2009 10:00:00 AM

Report Date: 17-Sep-09

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5035, 8260B, VOLATI	LE ORGANIC COMPO	UNDS E	Y GC/MS					
2-Butanone	NELAP	50.8		ND	µg/Kg-dry	1	9/15/2009 12:17:00 F	M RW
2-Chlorotoluene	NELAP	5.08		ND	μg/Kg-dry	1	9/15/2009 12:17:00 F	M RW
2-Hexanone	NELAP	50.8		ND	μg/Kg-dry	ं 1	9/15/2009 12:17:00 F	M RW
2-Nitropropane	NELAP	50.8		ND	μg/Kg-dry	1	9/15/2009 12:17:00 F	M RW
4-Chlorotoluene	NELAP	5.08		ND	μg/Kg-dry	1	9/15/2009 12:17:00 F	M RW
4-Methyl-2-pentanone	NELAP	50.8		ND	µg/Kg-dry	1	9/15/2009 12:17:00 F	M RW
Acetone	NELAP	50.8	J	14	μg/Kg-dry	1	9/15/2009 12:17:00 F	M RW
Acetonitrile	NELAP	102		ND	μg/Kg-dry	1	9/15/2009 12:17:00 F	M RW
Acrolein	NELAP	102		ND	μg/Kg-dry	1	9/15/2009 12:17:00 F	M RW
Acrylonitrile	NELAP	10.2		ND	μg/Kg-dry	1	9/15/2009 12:17:00 F	M RW
Aliyi chloride	NELAP	5.08		ND	µg/Kg-dry	1	9/15/2009 12:17:00 F	M RW
Benzene	NELAP	1.02		ND	μg/Kg-dry	1	9/15/2009 12:17:00 F	M RW
Bromobenzene	NELAP	5.08		ND	µg/Kg-dry	1	9/15/2009 12:17:00 F	M RW
Bromochloromethane	NELAP	5.08		ND	μg/Kg-dry	1	9/15/2009 12:17:00 F	M RW
Bromodichloromethane	NELAP	5.08		ND	µg/Kg-dry	1	9/15/2009 12:17:00 F	M RW
Bromoform	NELAP	5.08		ND	µg/Kg-dry	1	9/15/2009 12:17:00 F	M RW
Bromomethane	NELAP	10.2		ND	μg/Kg-dry	1	9/15/2009 12:17:00 F	M RW
Carbon disutfide	NELAP	5.08		ND	µg/Kg-dry	1	9/15/2009 12:17:00 F	M RW
Carbon tetrachloride	NELAP	5.08		ND	μg/Kg-dry	1	9/15/2009 12:17:00 F	M RW
Chlorobenzene	NELAP	5.08		ND	µg/Kg-dry	1	9/15/2009 12:17:00 F	M RW
Chloroethane	NELAP	10.2		ND	µg/Kg-dry	1	9/15/2009 12:17:00 P	M RW
Chloroform	NELAP	5.08		ND	µg/Kg-dry	1	9/15/2009 12:17:00 F	M RW
Chloromethane	NELAP	10.2		ND	µg/Kg-dry	1	9/15/2009 12:17:00 F	M RW
cis-1,2-Dichloroethene	NELAP -	5.08		ND	μg/Kg-dry	1	9/15/2009 12:17:00 F	M RW
cis-1,3-Dichloropropene	NELAP	4.06		ND	µg/Kg-dry	1	9/15/2009 12:17:00 F	M RW
Cyclohexanone		102		ND	µg/Kg-dry	1	9/15/2009 12:17:00 F	M RW
Dibromochloromethane	NELAP	5.08		ND	µg/Kg-dry	1	9/15/2009 12:17:00 F	M RW
Dibromomethane	NELAP	5.08		ND	µg/Kg-dry	1	9/15/2009 12:17:00 F	M RW
Dichlorodifluoromethane	NELAP	10.2		ND	µg/Kg-dry	1	9/15/2009 12:17:00 P	M RW
Disopropyl ether		5.08		ND	µg/Kg-dry	1	9/15/2009 12:17:00 F	M RW
Ethyl acetate	NELAP	50.8		ND	μg/Kg-dry	1	9/15/2009 12:17:00 F	M RW
Ethyl ether	NELAP	5.08		ND	µg/Kg-dry	1	9/15/2009 12:17:00 F	M RW
Ethyl methacrylate	NELAP	5.08		ND	µg/Kg-dry.	1	9/15/2009 12:17:00 P	M RW
Ethylbenzene	NELAP	5.08		ND	µg/Kg-dry	1	9/15/2009 12:17:00 F	M RW
Ethyl-tert-butyl ether		5.08		ND	µg/Kg-dry	1	9/15/2009 12:17:00 F	M RW
Heptane		20.3		ND	µg/Kg-dry	1	9/15/2009 12:17:00 F	M RW
Hexachlorobutadiene	NELAP	5.08		ND	µg/Kg-dry	1	9/15/2009 12:17:00 F	M RW
Hexachloroethane	NELAP	5.08		ND	µg/Kg-dry	1	9/15/2009 12:17:00 F	M RW

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: Environmental Consultants, LLC

Client Project: Hayden - Solutia Backfill 09-0-404

WorkOrder: 09090464

Report Date: 17-Sep-09

Client Sample ID: 01 (A-E)

Lab ID: 09090464-001

Collection Date: 9/14/2009 10:00:00 AM

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed A	nalyst
SW-846 5035, 8260B, VOLATILE	ORGANIC COMPO	UNDS E	BY GC/MS					
lodomethane	NELAP	10.2		ND	µg/Kg-dry	1	9/15/2009 12:17:00 PM	f RW
Isopropylbenzene	NELAP	5.08		ND	µg/Kg-dry	1	9/15/2009 12:17:00 PM	RW
m,p-Xylenes	NELAP	5.08	_{Si} j	1.1	μg/Kg-dry	1	9/15/2009 12:17:00 PM	1 RW
Methacrylonitrile	NELAP	50.8		ND	µg/Kg-dry	1	9/15/2009 12:17:00 PM	1 RW
Methyl Methacrylate	NELAP	5.08		ND	µg/Kg-dry	1	9/15/2009 12:17:00 PM	1 RW
Methyl tert-butyl ether	NELAP	2.03		ND	µg/Kg-dry	1	9/15/2009 12:17:00 PM	1 RW
Methylacrylate		10.2		ND	µg/Kg-dry	1	9/15/2009 12:17:00 PM	1 RW
Methylene chloride	NELAP	5.08	j	1.9	μg/Kg-dry	1	9/15/2009 12:17:00 PM	1 RW
Naphthalene	NELAP	10.2	J	3.6	μg/Kg-dry	1	9/15/2009 12:17:00 PM	
n-Butylbenzene	NELAP	5.08		ND	µg/Kg-dry	1	9/15/2009 12:17:00 PM	1 RW
n-Hexane		20.3		ND	μg/Kg-dry	1	9/15/2009 12:17:00 PA	1 RW
Nitrobenzene	NELAP	102		ND	μg/Kg-dry	1	9/15/2009 12:17:00 PN	I RW
n-Propylbenzene	NELAP	5.08		ND	μg/Kg-dry	1	9/15/2009 12:17:00 PM	I RW
o-Xylene	NELAP	5.08		ND	μg/Kg-dry	1	9/15/2009 12:17:00 PM	
Pentachloroethane	NELAP	5.08		ND	μg/Kg-dry	1	9/15/2009 12:17:00 PN	
p-Isopropyltoluene	NELAP	5.08		ND	μg/Kg-dry	1	9/15/2009 12:17:00 PM	RW
Propionitrile	NELAP	50.8		ND	μg/Kg-dry	1	9/15/2009 12:17:00 PM	RW
sec-Butylbenzene	NELAP	5.08		ND	μg/Kg-dry	1	9/15/2009 12:17:00 PN	RW
Styrene	NELAP	5.08		ND	μg/Kg-dry	1	9/15/2009 12:17:00 PM	RW
tert-Amyl methyl ether		5.08		ND	μg/Kg-dry	1	9/15/2009 12:17:00 PM	RW
tert-Butyl alcohol		50.8		ND	μg/Kg-dry	1	9/15/2009 12:17:00 PN	I RW
tert-Butylbenzene	NELAP	5.08		ND	μg/Kg-dry	1	9/15/2009 12:17:00 PM	RW
Tetrachloroethene	NELAP	5.08		ND	μg/Kg-dry	1	9/15/2009 12:17:00 PM	RW
Tetrahydrofuran	NELAP	50.B		ND	μg/Kg-dry	1	9/15/2009 12:17:00 PA	RW
Toluene	NELAP	5.08		ND	μg/Kg-dry	1	9/15/2009 12:17:00 PM	RW
TPH - GRO (C6 - C10)		508		ND	μg/Kg-dry	1	9/15/2009 12:17:00 PM	
Irans-1,2-Dichloroethene	NELAP	5.08		ND	μg/Kg-dry	1	9/15/2009 12:17:00 PM	
trans-1,3-Dichloropropene	NELAP	4.06		ND	μg/Kg-dry	1	9/15/2009 12:17:00 PA	
trans-1.4-Dichloro-2-butene	NELAP	10.2		ND	µg/Kg-dry	1	9/15/2009 12:17:00 PM	
Trichioroethene	NELAP	5.08		ND	µg/Kg-dry	1	9/15/2009 12:17:00 PM	
Trichlorofluoromethane	NELAP	5.08		ND	μg/Kg-dry	1	9/15/2009 12:17:00 PM	
Vinyl acetate	NELAP	50.8		ND	µg/Kg-dry	1	9/15/2009 12:17:00 PM	
Vinyl chloride	NELAP	2.03		ND	μg/Kg-dry	1	9/15/2009 12:17:00 PM	
Xylenes, Total	NELAP	5.08	J	1.1	μg/Kg-dry	1	9/15/2009 12:17:00 PN	
Surr: 1,2-Dichloroethane-d4		3.00 31-12B		107.9	%REC	1	9/15/2009 12:17:00 PN	
Surr: 4-Bromoffuorobenzene		.2-117		107.9	%REC	1	9/15/2009 12:17:00 PN	
Surr. Dibromofluoromethane		.6-130		103.2	%REC	1	9/15/2009 12:17:00 PN	
Surr: Toluene-d8	-	.1-122		99.5	%REC	1	9/15/2009 12:17:00 PN	

5445 HORSESHOE LAKE ROAD COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: Environmental Consultants, LLC

Client Project: Hayden - Solutia Backfill 09-0-404

WorkOrder: 09090464

Client Sample ID: 01 (A-E)

Lab ID: 09090464-001

Collection Date: 9/14/2009 10:00:00 AM

Report Date: 17-Sep-09

Matrix: SOLID

Analyses

Certification RI

Qual Result

Units

Date Analyzed Analyst

Sample Narrative

SW-846 3550B, 8270C, Semi-Volatile Organic Compounds by GC/MS

p-Terphenyl-d14 was outside QC limits in the MS.

Acenaphthylene was outside QC limits in the MS and MSD.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: Environmental Consultants, LLC

Client Project: Hayden - Solutia Backfill 09-0-404

WorkOrder: 09090464

Client Sample ID: 02 (A-E)

Lab ID: 09090464-002

Collection Date: 9/14/2009 10:05:00 AM

Report Date: 17-Sep-09 Matrix: SOLID

Analyses	Certification R	L Qual	Result	Units	DF	Date Analyzed	Analyst
EPA SW846 3550C, 5035A, ASTM	I D2974						
Percent Moisture		0.1	15.7	%	1	9/15/2009 1:35:00	PM MK
STANDARD METHODS 18TH E	D. 2549 G				i		
Total Solids		0.1	84.3	%	1	9/15/2009 1:35:00 1	PM MK
SW-846 3550B, 8270C SEMI-VO	LATILE ORGANIC CO	MPOUNDS BY	GC/MS				
TPH-DRO (C10 - C21)		4.2	ND	mg/Kg-dry	1	9/15/2009 3:21:00	PM MA
Surr: 2-Fluorobiphenyl	12-1	33	65,9	%REC	1	9/15/2009 3:21:00	PM MA
Surr. Nitrobenzene-d5	30.9-1	15	68.5	%REC	1	9/15/2009 3:21:00	PM MA
Surr: p-Terphenyl-d14	31.5-1	37	70.9	%REC	1	9/15/2009 3:21:00	PM MA
SW-846 3550B, 8270C, SEMI-VO	LATILE ORGANIC CON	MPOUNDS BY	GC/MS				
1,2,4-Trichlorobenzene	NELAP 0.5	91	ND	mg/Kg-dry	1	9/16/2009 6:07:00 /	AM DM
1,2-Dichlorobenzene	NELAP 0.5	91	ND	mg/Kg-dry	1	9/16/2009 6:07:00 /	AM DM
1,3-Dichlorobenzene	NELAP 0.5	91	ND	mg/Kg-dry	1	9/16/2009 6:07:00 /	AM DM
1,4-Dichlorobenzene	NELAP 0.5	91	ND	mg/Kg-dry	1	9/16/2009 6:07:00 /	AM DM
2,4,5-Trichlorophenol	NELAP 0.4	14	ND	mg/Kg-dry	1	9/16/2009 6:07:00 /	AM DM
2,4,6-Trichlorophenol	NELAP 0.4	14	ND	mg/Kg-dry	1	9/16/2009 6:07:00 /	AM DM
2,4-Dichlorophenol	NELAP 0.5	91	ND	mg/Kg-dry	1	9/16/2009 6:07:00 /	AM DM
2,4-Dimethylphenol	NELAP 0.5	91	ND	mg/Kg-dry	1	9/16/2009 6:07:00 /	AM DM
2,4-Dinitrophenol	NELAP 1.	18	ND	mg/Kg-dry	1	9/16/2009 6:07:00 /	AM DM
2,4-Dinitrotoluene	NELAP 0.4	14	ND	mg/Kg-dry	1	9/16/2009 6:07:00 /	AM DM
2,6-Dinitrotoluene	NELAP 0.4	14	ND	mg/Kg-dry	1	9/16/2009 6:07:00 /	AM DM
2-Chloronaphthalene	NELAP 0.4	14	ND	mg/Kg-dry	1	9/16/2009 6:07:00 /	AM DM
2-Chlorophenol	NELAP 0.5	91	ND	mg/Kg-dry	1	9/16/2009 6:07:00 /	AM DM
2-Methoxy-4-methylphenol	0.7	69	ND	mg/Kg-dry	1	9/16/2009 6:07:00 /	AM DM
2-Methylnaphthalene	NELAP 0.4	14 🖺	ND	mg/Kg-dry	1	9/16/2009 6:07:00 /	AM DM
2-Nitroaniline	NELAP 1.	18	ND	mg/Kg-dry	1	9/16/2009 6:07:00 /	AM DM
2-Nitrophenol	NELAP 0.4	14	ND	mg/Kg-dry	1	9/16/2009 6:07:00 /	AM DM
3,3'-Dichlorobenzidine	NELAP 0.4	14	ND	mg/Kg-dry	1	9/16/2009 6:07:00 /	AM DM
3-Nitroaniline	NELAP 1.	18	ND	mg/Kg-dry	1	9/16/2009 6:07:00 /	AM DM
4,6-Dinitro-2-methylphenol	NELAP 1.	18	ND	mg/Kg-dry	1	9/16/2009 6:07:00 /	AM DM
4-Bromophenyl phenyl ether	NELAP 0.4	14	ND	mg/Kg-dry	1	9/16/2009 6:07:00 /	AM DM
4-Chloro-3-methylphenol	NELAP 0.5	91	ND	mg/Kg-dry	1	9/16/2009 6:07:00 /	AM DM
4-Chloroaniline	NELAP 0.5	91	ND	mg/Kg-dry	1	9/16/2009 6:07:00 /	AM DM
4-Chlorophenyl phenyl ether	NELAP 0.4	14	ND	mg/Kg-dry	1	9/16/2009 6:07:00 /	AM DM
4-Nitroaniline	NELAP 0.5	91	ND	mg/Kg-dry	1	9/16/2009 6:07:00	AM DM
4-Nitrophenol	NELAP 0.4	14	ND	mg/Kg-dry	1	9/16/2009 6:07:00 /	AM DM
Acenaphthene	NELAP 0.4	14	ND	mg/Kg-dry	1	9/16/2009 6:07:00 /	M DM
Acenaphthylene	NELAP 0.4	14	ND	mg/Kg-dry	1	9/16/2009 6:07:00 /	M DM
Aniline	NELAP 0.5	91	ND	mg/Kg-dry	1	9/16/2009 6:07:00 /	M DM

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: Environmental Consultants, LLC

Client Project: Hayden - Solutia Backfill 09-0-404

WorkOrder: 09090464

Client Sample ID: 02 (A-E)

Lab ID: 09090464-002

Collection Date: 9/14/2009 10:05:00 AM

Report Date: 17-Sep-09

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed A	nalyst
W-846 3550B, 8270C, SEMI-VO	DLATILE ORGANIC	COMPO	UNDS BY	GC/MS				
Anthracene	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 6:07:00 AM	DM
Azobenzene		0.414		ND	mg/Kg-dry	1	9/16/2009 6:07:00 AM	DMI
Benzidine	NELAP	1.25	¥3:	ND	. mg/Kg-dry	1	9/16/2009 6:07:00 AM	. DM
Benzo(a)anthracene	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 6:07:00 AM	DMI
Benzo(a)pyrene	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 6:07:00 AM	DM
Benzo(b)fluoranthene	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 6:07:00 AM	DMI
Benzo(g,h,i)perylene	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 6:07:00 AM	DMI
Benzo(k)fluoranthene	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 6:07:00 AM	DMF
Benzoic acid	NELAP	1.77		ND	mg/Kg-dry	1	9/16/2009 6:07:00 AM	DMI
Benzyl alcohol	NELAP	0.591		ND	mg/Kg-dry	11	9/16/2009 6:07:00 AM	DMI
Bis(2-chloroethoxy)methane	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 6:07:00 AM	DMI
Bis(2-chloroethyl)ether	NELAP	0.591		ND	mg/Kg-dry	1	9/16/2009 6:07:00 AM	DM
Bis(2-chloroisopropy!)ether	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 6:07:00 AM	DMI
Bis(2-ethylhexyl)phthalate	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 6:07:00 AM	DMI
Sutyl benzyl phthalate	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 6:07:00 AM	DMI
Carbazole		0.591		ND	mg/Kg-dry	1	9/16/2009 6:07:00 AM	DMI
Chrysene	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 6:07:00 AM	DMI
Dibenzo(a,h)anthracene	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 6:07:00 AM	DMF
Dibenzofuran	NELAP	0.414		ND	mg/Kg-dry	1_	9/16/2009 6:07:00 AM	DMI
Diethyl phthalate	NELAP	0.591		ND	mg/Kg-dry	1	9/16/2009 6:07:00 AM	DMI
Dimethyl phthalate	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 6:07:00 AM	DMH
Di-n-butyl phthalate	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 6:07:00 AM	DMI
Di-n-octyl phthalate	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 6:07:00 AM	DMI
luoranthene	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 6:07:00 AM	DMI
Fluorene	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 5:07:00 AM	DMF
-lexachlorobenzene	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 6:07:00 AM	DMF
Hexachlorobutadiene	NELAP	0.591		ND	mg/Kg-dry	1	9/16/2009 6:07:00 AM	DMH
lexachlorocyclopentadiene	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 6:07:00 AM	DMI
-lexachloroethane	NELAP	0.591		ND	mg/Kg-dry	1	9/16/2009 6:07:00 AM	DMF
ndeno(1,2,3-cd)pyrene	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 6:07:00 AM	DMH
sophorone	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 6:07:00 AM	DMI
n,p-Cresol	NELAP	0.591		ND	mg/Kg-dry	1	9/16/2009 6:07:00 AM	DMH
Vaphthalene	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 6:07:00 AM	DMI
Vitrobenzene	NELAP	0.591		ND	mg/Kg-dry	1	9/16/2009 6:07:00 AM	DMI
N-Nitrosodimethylamine	NELAP	0.591		ND	mg/Kg-dry	1	9/16/2009 6:07:00 AM	DMF
i-Nitroso-di-n-propylamine	NELAP	0.591		ND	mg/Kg-dry	1	9/16/2009 6:07:00 AM	DMF
I-Nitrosodiphenylamine	NELAP	0.591		ND	mg/Kg-dry	1	9/16/2009 6:07:00 AM	DMF
-Cresol	NELAP	0.591		ND	mg/Kg-dry	1	9/16/2009 6:07:00 AM	DMH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: Environmental Consultants, LLC

Client Project: Hayden - Solutia Backfill 09-0-404

WorkOrder: 09090464

Client Sample ID: 02 (A-E)

Lab ID: 09090464-002

Collection Date: 9/14/2009 10:05:00 AM

Report Date: 17-Sep-09

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Ans	alyst
SW-846 3550B, 8270C, SEMI-VOLA	TILE ORGANIC	COMPO	UNDS BY	GC/MS					
Pentachlorophenol	NELAP	2.36		ND	mg/Kg-dry	1	9/16/2009 6:07:00 /	AM.	DMI
Phenanthrene	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 6:07:00 /	AM	DMI
Phenol	NELAP	0.414		ND	mg/Kg-dry	1	9/16/2009 6:07:00 /	AM.	DMI
Pyrene	NELAP	0.591		ND	mg/Kg-dry	1	9/16/2009 6:07:00 /	AM.	DMI
Pyridine	NELAP	0.591		ND	mg/Kg-dry	1	9/16/2009 6:07:00 /	AM.	DMI
1,2-Diphenylhydrazine		0.993		ND	mg/Kg-dry	1	9/16/2009 6:07:00 /	AM.	DM
Surr: 2,4,6-Tribromophenol	37	2.7-130		93.0	%REC	1	9/16/2009 6:07:00 /	٩M	DMI
Surr: 2-Fluorobiphenyl	- 34	1.1-116		82.4	%REC	1	9/16/2009 6:07:00 /	٩M	DMI
Surr: 2-Fluorophenol	3	30.5-99		73.8	%REC	1	9/16/2009 6:07:00 /	AM.	DMI
Surr: Nitrobenzene-d5	34	1.1-101		69.3	%REC	1	9/16/2009 6:07:00 /	AM	DMI
Surr: Phenoi-d5	34	1.9-110		77.8	%REC	1	9/16/2009 6:07:00 /	٩M	DM
Surr: p-Terphenyl-d14	41	1.7-124		109.7	%REC	1	9/16/2009 6:07:00 /	M	DMI
SW-846 5035, 8260B, VOLATILE O	RGANIC COMPO	UNDS B	Y GC/MS						
1,1,1,2-Tetrachloroethane	NELAP	5.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
1,1,1-Trichloroethane	NELAP	5.02		ND	µg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
1,1,2,2-Tetrachloroethane	NELAP	5.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
1,1,2-Trichloro-1,2,2-trifluoroethane		5.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
1,1,2-Trichloroethane	NELAP	5.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
1,1-Dichloro-2-propanone		50.2		ND	μg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
1,1-Dichloroethane	NELAP	5.02		ND	µg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
1,1-Dichloroethene	NELAP	5.02		ND	µg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
1,1-Dichloropropene	NELAP	5.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
1,2,3-Trichlorobenzene	NELAP	5.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
1,2,3-Trichloropropane	NELAP	10.0		ND	µg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
1,2,3-Trimethylbenzene		5.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00	PM	RWI
1,2,4-Trichlorobenzene	NELAP	5.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00	PM	RWI
1,2,4-Trimethylbenzene	NELAP	5.02	J	1.1	μg/Kg-dry	1	9/15/2009 12:44:00	PM	RWI
1,2-Dibromo-3-chloropropane	NELAP	5.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00	PM	RWI
1,2-Dibromoethane	NELAP	5.02		ND	μg/Kg-dry	- 1	9/15/2009 12:44:00	PM	RWI
1,2-Dichlorobenzene	NELAP	5.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00	PM	RWI
1,2-Dichloroethane	NELAP	5.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00		RWI
1,2-Dichloropropane	NELAP	5.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00		RWI
1,3,5-Trimethylbenzene	NELAP	5.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00		RWI
1,3-Dichlorobenzene	NELAP	5.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00		RWI
1,3-Dichloropropane	NELAP	5.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00		RW
1,4-Dichlorobenzene	NELAP	5.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00		RW
1-Chlorobutane	NELAP	5.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00		RW
2,2-Dichloropropane	NELAP	5.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00		RWI

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: Environmental Consultants, LLC

Client Project: Hayden - Solutia Backfill 09-0-404

WorkOrder: 09090464

Report Date: 17-Sep-09

Client Sample ID: 02 (A-E)

Lab ID: 09090464-002

Collection Date: 9/14/2009 10:05:00 AM

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed A	nalyst
SW-846 5035, 8260B, VOLATIL	E ORGANIC COMPO	UNDS E	Y GC/MS					
2-Butanone	NELAP	50.2		ND	µg/Kg-dry	1	9/15/2009 12:44:00 PM	RW
2-Chlorotoluene	NELAP	5.02		ND	µg/Kg-dry	1	9/15/2009 12:44:00 PM	RW
2-Hexanone	NELAP	50.2		ND	μg/Kg-dry	1	9/15/2009 12:44:00 PM	RWI
2-Nitropropane	NELAP	50.2		ND	µg/Kg-dry	1	9/15/2009 12:44:00 PM	RW
4-Chlorotoluene	NELAP	5.02		ND	µg/Kg-dry	1	9/15/2009 12:44:00 PM	RWI
4-Methyl-2-pentanone	NELAP	50.2		ND	µg/Kg-dry	1	9/15/2009 12:44:00 PM	RWI
Acetone	NELAP	50.2	J	13	µg/Kg-dry	1	9/15/2009 12:44:00 PM	RWI
Acetonitrile	NELAP	100		ND	µg/Kg-dry	1	9/15/2009 12:44:00 PM	RWI
Acrolein	NELAP	100		ND	µg/Kg-dry	1	9/15/2009 12:44:00 PM	RWI
Acrylonitrile	NELAP	10.0		ND	µg/Kg-dry	1	9/15/2009 12:44:00 PM	RWI
Allyl chloride	NELAP	5.02		ND	µg/Kg-dry	1	9/15/2009 12:44:00 PM	RWI
Benzene	NELAP	1.00		1,15	μg/Kg-dry	1	9/15/2009 12:44:00 PM	RWI
Bromobenzene	NELAP	5.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00 PM	RWI
Bromochloromethane	NELAP	5.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00 PM	RWI
Bromodichloromethane	NELAP	5.02		ND	µg/Kg-dry	1	9/15/2009 12:44:00 PM	RWI
Bromoform	NELAP	5.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00 PM	RWI
Bromomethane	NELAP	10.0		ND	μg/Kg-dry	1	9/15/2009 12:44:00 PM	RWI
Carbon disulfide	NELAP	5.02		ND	µg/Kg-dry	1	9/15/2009 12:44:00 PN	RWI
Carbon tetrachloride	NELAP	5.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00 PM	RWI
Chlorobenzene	NELAP	5.02		ND	µg/Kg-dry	1	9/15/2009 12:44:00 PM	RW
Chioroethane	NELAP	10.0		ND	µg/Kg-dry	1	9/15/2009 12:44:00 PM	RW
Chloroform	NELAP	5.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00 PM	RW!
Chloromethane	NELAP	10.0		ND	μg/Kg-dry	1	9/15/2009 12:44:00 PM	RWI
cis-1;2-Dichloroethene	NELAP	5.02		ND	µg/Kg-dry	1	9/15/2009 12:44:00 PM	RW
cis-1,3-Dichloropropene	NELAP	4.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00 PM	RW
Cyclohexanone		100		ND	μg/Kg-dry	1	9/15/2009 12:44:00 PM	RWI
Dibromochloromethane	NELAP	5.02		ND	µg/Kg-dry	1	9/15/2009 12:44:00 PM	RW
Dibromomethane	NELAP	5.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00 PM	RW1
Dichlorodifluoromethane	NELAP	10.0		ND	µg/Kg-dry	1	9/15/2009 12:44:00 PM	RWI
Diisopropyl ether		5.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00 PM	RWI
Ethyl acetate	NELAP	50.2		ND	µg/Kg-dry	1	9/15/2009 12:44:00 PM	RWI
Ethyl ether	NELAP	5.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00 PN	RWI
Ethyl methacrylate	NELAP	5.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00 PM	RWI
Ethylbenzene	NELAP	5.02	J	1.2	μg/Kg-dry	1	9/15/2009 12:44:00 PM	RWI
Ethyl-tert-butyl ether		5.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00 PM	RW
Heptane		20.1		ND	μg/Kg-dry	1	9/15/2009 12:44:00 PM	RWI
Hexachlorobutadiene	NELAP	5.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00 PM	RWI
Hexachloroethane	NELAP	5.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00 PM	RWI

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: Environmental Consultants, LLC

Client Project: Hayden - Solutia Backfill 09-0-404

WorkOrder: 09090464

Report Date: 17-Sep-09

Client Sample ID: 02 (A-E)

Lab ID: 09090464-002

Collection Date: 9/14/2009 10:05:00 AM

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Ans	alyst
SW-846 5035, 8260B, VOLATILE	ORGANIC COMPO	UNDS B	Y GC/MS						
lodomethane	NELAP	10.0		ND	µg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
Isopropylbenzene	NELAP	5.02		ND	µg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
m,p-Xylenes	NELAP	5.02	J	3.1	µg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
Methacrylonitrile	NELAP	50.2		ND	μg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
Methyl Methacrylate	NELAP	5.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
Methyl tert-butyl ether	NELAP	2.01		ND	µg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
Methylacrylate		10.0		ND	μg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
Methylene chloride	NELAP	5.02	J	2.4	µg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
Naphthalene	NELAP	10.0		ND	µg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
n-Butylbenzene	NELAP	5.02		ND	µg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
n-Hexane		20.1	J	4.7	µg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
Nitrobenzene	NELAP	100		ND	μg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
n-Propylbenzene	NELAP	5.02		ND	µg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
o-Xylene	NELAP	5.02	J	1,2	μg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
Pentachloroethane	NELAP	5.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00	РМ	RW
p-isopropylloluene	NELAP	5.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
Propionitrile	NELAP	50.2		ND	µg/Kg-dry	1	9/15/2009 12:44:00	РМ	RW
sec-Butylbenzene	NELAP	5.02		ND	µg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
Styrene	NELAP	5.02		ND	μg/Kg-dry	. 1 .	9/15/2009 12:44:00	PM	RW
tert-Amyl methyl ether		5.02		ND	µg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
tert-Butyl alcohol		50.2		ND	μg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
tert-Butylbenzene	NELAP	5.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
Tetrachloroethene	NELAP	5.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
Tetrahydrofuran	NELAP	50.2		ND	μg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
Toluene	NELAP	5.02	J	2.4	μg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
TPH - GRO (C6 - C10)		502		ND	µg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
trans-1,2-Dichloroethene	NELAP	5.02		ND	µg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
trans-1,3-Dichloropropene	NELAP	4.02		ND	μg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	μα/Kg-dry	1	9/15/2009 12:44:00	PM	RW
Trichloroethene	NELAP	5.02		NĐ	μg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
Trichlorofluoromethane	NELAP	5.02		ND	µg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
Vinvl acetate	NELAP	50.2		ND	μg/Kg-dry	1	9/15/2009 12:44:00	PM	RW
Vinyl chloride	NELAP	2.01		ND	μg/Kg-dry	1	9/15/2009 12:44:00	РМ	RW
Xylenes, Total	NELAP	5.02	J	4.3	μg/Kg-dry	1	9/15/2009 12:44:00		RW
Surr: 1.2-Dichloroethane-d4		61-128	=	109.4	%REC	1	9/15/2009 12:44:00		RW
Surr: 4-Bromofluorobenzene		3.2-117		102.9	%REC	1	9/15/2009 12:44:00		RW
Surr: Dibromofluoromethane		3.6-130		104.3	%REC	1	9/15/2009 12:44:00		RW
Surr: Toluene-d8).1-122		100.2	%REC	1	9/15/2009 12:44:00		RWI

5445 HORSESHOE LAKE ROAD COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: Environmental Consultants, LLC

Client Project: Hayden - Solutia Backfill 09-0-404

WorkOrder: 09090464

Report Date: 17-Sep-09

Client Sample ID: 02 (A-E)

Lab ID: 09090464-002

Collection Date: 9/14/2009 10:05:00 AM

Matrix: SOLID

Analyses

Certification RL

Qual

Result Units

Date Analyzed Analyst

Sample Narrative

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: Environmental Consultants, LLC

Client Project: Hayden - Solutia Backfill 09-0-404

WorkOrder: 09090464

Report Date: 17-Sep-09

Client Sample ID: 03 (A-E)

Lab ID: 09090464-003

Collection Date: 9/14/2009 10:10:00 AM

Report Date: 17-Oep-03							
Analyses	Certification R	L Qual	Result	Units	DF	Date Analyzed	Analyst
EPA SW846 3550C, 5035A, ASTM	(D2974		¥				
Percent Moisture	•	D.1	16.7	%	1	9/15/2009 1:35:00 F	M MK
STANDARD METHODS 18TH E	D. 2540 G						
Total Solids		0.1	83.3	%	1	9/15/2009 1:35:00 F	M MK
SW-846 3550B, 8270C SEMI-VO)			GC/MS				
TPH-DRO (C10 - C21)	1.	4.3	ND	mg/Kg-dry	1	9/15/2009 3:48:00 F	
Surr: 2-Fluorobiphenyl	12-1		66.5	%REC	1	9/15/2009 3:48:00 F	
Surr: Nitrobenzene-d5	30.9-1	15	67.9	%REC	1	9/15/2009 3:48:00 F	
Surr: p-Terphenyl-d14	31.5-1	37	72.6	%REC	1	9/15/2009 3:48:00 F	MA MA
SW-846 3550B, 8270C, SEMI-VO			GC/MS				
1,2,4-Trichlorobenzene	NELAP 0.5	96	ND	mg/Kg-dry	1	9/16/2009 6:37:00 A	
1,2-Dichlorobenzene	NELAP 0.5	96	ND	mg/Kg-dry	1	9/16/2009 6:37:00 A	M DM
1,3-Dichlorobenzene	NELAP 0.5	96	ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	M DM
1,4-Dichlorobenzene	NELAP 0.5	96	ND	mg/Kg-dry	1	9/16/2009 6:37:00 A	M DM
2,4,5-Trichlorophenol	NELAP 0.4	17	ND	mg/Kg-dry	1	9/16/2009 6:37:00 A	M DM
2,4,6-Trichlorophenol	NELAP 0.4	17	ND	mg/Kg-dry	1	9/16/2009 6:37:00 A	M DM
2,4-Dichlorophenol	NELAP 0.5	96	ND	mg/Kg-dry	1	9/16/2009 6:37:00 A	M DM
2,4-Dimethylphenol	NELAP 0.5	96	ND	mg/Kg-dry	1	9/16/2009 6:37:00 A	M DM
2,4-Dinitrophenol	NELAP 1.	19	ND	mg/Kg-dry	1	9/16/2009 6:37:00 A	M DM
2,4-Dinitrotoluene	NELAP 0.4	17	ND	mg/Kg-dry	1	9/16/2009 6:37:00 #	M DM
2,6-Dinitrotoluene	NELAP 0.4	17	ND	mg/Kg-dry	1	9/16/2009 6:37:00 A	M DM
2-Chloronaphthalene	NELAP 0.4	17	ND	mg/Kg-dry	1	9/16/2009 6:37:00 A	M DM
2-Chlorophenol	NELAP 0.5	96	ND	mg/Kg-dry	1	9/16/2009 6:37:00 A	M DM
2-Methoxy-4-methylphenol	0.7	75	ND	mg/Kg-dry	1	9/16/2009 6:37:00 A	M DM
2-Methylnaphthalene	NELAP 0.4	17	ND	mg/Kg-dry	1	9/16/2009 6:37:00 A	M DM
2-Nitroanitine	NELAP 1.	19	ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	M DM
2-Nitrophenol	NELAP 0.4	17	ND	mg/Kg-dry	1	9/16/2009 6:37:00 A	M DM
3,3'-Dichlorobenzldine	NELAP 0.4	17	ND	mg/Kg-dry	1	9/16/2009 6:37:00 A	M DM
3-Nitroaniline	NELAP 1.	19	ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	M DM
4,6-Dinitro-2-methylphenol	NELAP 1.	19	ND	mg/Kg-dry	1	9/16/2009 6:37:00 A	M DM
4-Bromophenyl phenyl ether	NELAP 0.4	17	ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	M DM
4-Chloro-3-methylphenol	NELAP 0.5	96	ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	M DM
4-Chloroaniline	NELAP 0.5	96	ND	mg/Kg-dry	1	9/16/2009 6:37:00 A	M DM
4-Chlorophenyl phenyl ether	NELAP 0.4	17	ND	mg/Kg-dry	1	9/16/2009 6:37:00 A	M DM
4-Nitroaniline	NELAP 0.5		ND	mg/Kg-dry	1	9/16/2009 6:37:00 A	M DM
4-Nitrophenol	NELAP 0.4		ND	mg/Kg-dry	1	9/16/2009 6:37:00 A	
Acenaphthene	NELAP 0.4		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	
Acenaphthylene	NELAP 0.4		ND	mg/Kg-dry	1	9/16/2009 6:37:00 A	
Aniline	NELAP 0.5		ND	mg/Kg-dry	1	9/16/2009 6:37:00 A	

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: Environmental Consultants, LLC

Client Project: Hayden - Solutia Backfill 09-0-404

WorkOrder: 09090464

Client Sample ID: 03 (A-E)

Lab ID: 09090464-003

Collection Date: 9/14/2009 10:10:00 AM

Report Date: 17-Sep-09

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analys
SW-846 3550B, 8270C, SEMI-VC	LATILE ORGANIC	COMPO	UNDS BY	GC/MS	<u></u>			
Anthracene	NELAP	0.417		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM DI
Azobenzene		0.417		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM DI
Benzidine	NELAP	1.26		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM DI
Benzo(a)anthracene	NELAP	0.417		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM DI
Benzo(a)pyrene	NELAP	0.417		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM DI
Benzo(b)fluoranthene	NELAP	0.417		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM DI
Benzo(g,h,i)perylene	NELAP	0.417		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM DI
Benzo(k)fluoranthene	NELAP	0.417		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM DI
Benzoic acid	NELAP	1.79		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM DI
Benzyl alcohol	NELAP	0.596		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM DI
Bis(2-chloroethoxy)methane	NELAP	0.417		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM DI
Bis(2-chloroethyl)ether	NELAP	0.596		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM DI
Bis(2-chloroisopropyl)ether	NELAP	0.417		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM DI
Bis(2-ethylhexyl)phthalate	NELAP	0.417		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM DI
Butyl benzyl phthalate	NELAP	0.417		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM DI
Carbazole		0.596		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM DI
Chrysene	NELAP	0.417		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM DI
Dibenzo(a,h)anthracene	NELAP	0.417		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM DI
Dibenzofuran	NELAP	0.417		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM DI
Diethyl phthalate	NELAP	0.596		· ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM DI
Dimethyl phthalate	NELAP	0.417		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM DI
Di-n-butyl phthalate	NELAP	0.417		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM D
Di-n-octyl phthalate	NELAP	0.417		· ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM DI
Fluoranthene	NELAP	0.417		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM DI
Fluorene	NELAP	0.417		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM D
Hexachlorobenzene	NELAP	0.417		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM DI
-lexachlorobutadiene	NELAP	0.596		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM DI
Hexachlorocyclopentadiene	NELAP	0.417		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM DI
Hexachloroethane	NELAP	0.596		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM D!
ndeno(1,2,3-cd)pyrene	NELAP	0.417		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM DI
sophorone	NELAP	0.417		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM DI
m,p-Cresol	NELAP	0.596		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM DI
Naphthalene	NELAP	0.417		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM DI
Nitrobenzene	NELAP	0.596		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM DI
N-Nitrosodimethylamine	NELAP	0.596		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM DI
N-Nitroso-di-n-propylamine	NELAP	0.596		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM DI
N-Nitrosodiphenylamine	NELAP	0.596		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM DI
o-Cresol	NELAP	0.596		ND	mg/Kg-dry	1	9/16/2009 6:37:00 /	AM DI

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: Environmental Consultants, LLC

Client Project: Hayden - Solutia Backfill 09-0-404

WorkOrder: 09090464

Client Sample ID: 03 (A-E)

Lab ID: 09090464-003

Collection Date: 9/14/2009 10:10:00 AM

Report Date: 17-Sep-09

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analy	/st
SW-846 3550B, 8270C, SEMI-VOLA	TILE ORGANIC	COMPO	UNDS BY	GC/MS					-
Pentachlorophenol	NELAP	2.38		ND	mg/Kg-dry	1	9/16/2009 6:37:00 A	M D	IMC
Phenanthrene	NELAP	0.417		ND	mg/Kg-dry	1	9/16/2009 6:37:00 A	M D	MC
Phenol	NELAP	0.417		ND	mg/Kg-dry	1	9/16/2009 6:37:00 A	M D	MC
Pyrene	NELAP	0.596		, ND	mg/Kg-dry	1	9/16/2009 6:37:00 A	M D	IMC
Pyridine	NELAP	0.596		ND	mg/Kg-dry	1	9/16/2009 6:37:00 A	M D	IMC
1,2-Diphenylhydrazine		1.00		ND	mg/Kg-dry	1	9/16/2009 6:37:00 A	M D	IMC
Surr: 2,4,6-Tribromophenol	33	2.7-130		90.3	%REC	1	9/16/2009 6:37:00 A	M D	MC
Surr: 2-Fluorobiphenyl	34	4.1-116		81.8	%REC	1	9/16/2009 6:37:00 A	M D	IMC
Surr: 2-Fluorophenol	;	30.5-99		71.9	%REC	1	9/16/2009 6:37:00 A	M D	1MC
Surr: Nitrobenzene-d5	3-	4.1-101		71.4	%REC	1	9/16/2009 6:37:00 A	M D	MC
Surr: Phenol-d5	3-	4.9-110		79.8	%REC	1	9/16/2009 6:37:00 A	M D	IMC
Surr: p-Terphenyl-d14	4	1.7-124		92.2	%REC	1	9/16/2009 6:37:00 A	M D	MC
SW-846 5035, 8260B, VOLATILE O	RGANIC COMPO	UNDS E	Y GC/MS						
1,1,1,2-Tetrachioroethane	NELAP	5.14		ND	µg/Kg-dry	1	9/15/2009 1:10:00 P	M R	₹WI
1,1,1-Trichloroethane	NELAP	5.14		ND	µg/Kg-dry	1	9/15/2009 1:10:00 F	M R	R
1,1,2,2-Tetrachloroethane	NELAP	5.14		ND	µg/Kg-dry	1	9/15/2009 1:10:00 P	M R	3W
1,1,2-Trichloro-1,2,2-trifluoroethane		5.14		ND	µg/Kg-dry	1	9/15/2009 1:10:00 P	M R	W
1,1,2-Trichloroethane	NELAP	5.14		ND	µg/Kg-dry	1	9/15/2009 1:10:00 P	M R	₹WI
1,1-Dichloro-2-propanone		51.4		ND	µg/Kg-dry	1	9/15/2009 1:10:00 F	M R	RW
1,1-Dichloroethane	NELAP	5.14		ND	µg/Kg-dry	1	9/15/2009 1:10:00 F	M R	₹₩1
1,1-Dichloroethene	NELAP	5.14		ND	µg/Kg-dry	1	9/15/2009 1:10:00 F	M R	₹WI
1,1-Dichloropropene	NELAP	5.14		ND	μg/Kg-dry	1	9/15/2009 1:10:00 F	M R	₹W1
1,2,3-Trichlorobenzene	NELAP	5.14		ND	µg/Kg-dry	1	9/15/2009 1:10:00 F	M R	₹WE
1,2,3-Trichloropropane	NELAP	10.3		ND	µg/Kg-dry	1	9/15/2009 1:10:00 P	M R	₹WI
1,2,3-Trimethylbenzene		5.14		ND	µg/Kg-dry	1	9/15/2009 1:10:00 F	M R	RVVE
1,2,4-Trichlorobenzene	NELAP	5.14		ND	μg/Kg-dry	1	9/15/2009 1:10:00 P	M R	₹WI
1,2,4-Trimethylbenzene	NELAP	5.14	J	1.2	µg/Kg-dry	1	9/15/2009 1:10:00 F	M R	₹WI
1,2-Dibromo-3-chloropropane	NELAP	5.14		ND	μg/Kg-dry	1	9/15/2009 1:10:00 F	M R	₹WE
1,2-Dibromoethane	NELAP	5.14		ND	μg/Kg-dry	1	9/15/2009 1:10:00 F	M R	₹WE
1,2-Dichlorobenzene	NELAP	5.14		ND	µg/Kg-dry	1	9/15/2009 1:10:00 F	M R	₹WI
1,2-Dichloroethane	NELAP	5.14		ND	μg/Kg-dry	1	9/15/2009 1:10:00 F	M R	RWI
1,2-Dichloropropane	NELAP	5.14		ND	µg/Kg-dry	1	9/15/2009 1:10:00 F	M R	₹₩
1,3,5-Trimethylbenzene	NELAP	5.14		ND	μg/Kg-dry	1	9/15/2009 1:10:00 P	M R	₹WE
1,3-Dichlorobenzene	NELAP	5.14		ND	µg/Kg-dry	1	9/15/2009 1:10:00 P	M R	3W 5
1,3-Dichloropropane	NELAP	5.14		ND	µg/Kg-dry	1	9/15/2009 1:10:00 P	M R	₹WE
1,4-Dichlorobenzene	NELAP	5.14		ND	μg/Kg-dry	1	9/15/2009 1:10:00 P	M R	₹WE
1-Chlorobutane	NELAP	5.14		ND	µg/Kg-dry	1	9/15/2009 1:10:00 F	M R	₹WE
2,2-Dichloropropane	NELAP	5.14		ND	μg/Kg-dry	1	9/15/2009 1:10:00 F		₹WE

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: Environmental Consultants, LLC

Client Project: Hayden - Solutia Backfill 09-0-404

WorkOrder: 09090464

Client Sample ID: 03 (A-E)

Matrix: SOLID

Lab ID: 09090464-003

Collection Date: 9/14/2009 10:10:00 AM

Report Date: 17-Sep-09

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5035, 8260B, VOLATI	LE ORGANIC COMPO	UNDS E	Y GC/MS					·
2-Butanone	NELAP	51.4		ND	μg/Kg-dry	1	9/15/2009 1:10:00 F	M RWI
2-Chlorotoluene	NELAP	5.14		ND	µg/Kg-dry	1	9/15/2009 1:10:00 F	M RWI
2-Hexanone	NELAP	51.4		ND	μg/Kg-dry	1	9/15/2009 1:10:00 F	M RWI
2-Nitropropane	NELAP	51.4		ND	µg/Kg-dry	1	9/15/2009 1:10:00 F	M RWI
4-Chlorotoluene	NELAP	5.14		ND	μg/Kg-dry	1	9/15/2009 1:10:00 F	M RW
4-Methyl-2-pentanone	NELAP	51.4		ND	µg/Kg-dry	1	9/15/2009 1:10:00 F	M RWI
Acetone	NELAP	51.4	J	15	µg/Kg-dry	1	9/15/2009 1:10:00 F	M RWI
Acetonitrile	NELAP	103		ND	µg/Kg-dry	1	9/15/2009 1:10:00 F	M RWI
Acrolein	NELAP	103		ND	µg/Kg-dry	1	9/15/2009 1:10:00 F	M RWI
Acrylonitrile	NELAP	10.3		ND	µg/Kg-dry	1	9/15/2009 1:10:00 F	M RWI
Aliyi chloride	NELAP	5.14		ND	µg/Kg-dry	1	9/15/2009 1:10:00 F	M RWI
Benzene	NELAP	1.03		1.23	μg/Kg-dry	1	9/15/2009 1:10:00 F	M RWI
Bromobenzene	NELAP	5.14		ND	µg/Kg-dry	1	9/15/2009 1:10:00 F	M RWI
Bromochloromethane	NELAP	5.14		ND	μg/Kg-dry	1	9/15/2009 1:10:00 F	M RWI
Bromodichloromethane	NELAP	5.14		ND	µg/Kg-dry	1	9/15/2009 1:10:00 F	M RWI
Bromoform	NELAP	5.14		ND	μg/Kg-dry	1	9/15/2009 1:10:00 F	M RWI
Bromomethane	NELAP	10.3		ND	μg/Kg-dry	1	9/15/2009 1:10:00 F	M RW
Carbon disulfide	NELAP	5.14		ND	μg/Kg-dry	1	9/15/2009 1:10:00 F	M RWI
Carbon tetrachloride	NELAP	5.14		ND	μg/Kg-dry	1	9/15/2009 1:10:00 F	M RW
Chlorobenzene	NELAP	5.14		ND	µg/Kg-dry	1	9/15/2009 1:10:00 F	M RWI
Chloroethane	NELAP	10.3		ND	μg/Kg-dry	1	9/15/2009 1:10:00 F	M RWI
Chloroform	NELAP	5.14		ND	μg/Kg-dry	1	9/15/2009 1:10:00 F	M RWI
Chloromethane	NELAP	10.3		ND	μg/Kg-dry	1	9/15/2009 1:10:00 F	M RWI
cis-1,2-Dichloroethene	NELAP	5.14		ND	μg/Kg-dry	1	9/15/2009 1:10:00 F	M RW
cis-1,3-Dichloropropene	NELAP	4.11		ND	µg/Kg-dry	1	9/15/2009 1:10:00 F	M RWI
Cyclohexanone		103		ND	µg/Kg-dry	1	9/15/2009 1:10:00 F	M RWI
Dibromochloromethane	NELAP	5.14		ND	μg/Kg-dry	1	9/15/2009 1:10:00 F	M RWI
Dibromomethane	NELAP	5.14		ND	μg/Kg-dry	1	9/15/2009 1:10:00 F	M RWI
Dichlorodifluoromethane	NELAP	10.3		ND	µg/Kg-dry	1	9/15/2009 1:10:00 F	M RWI
Disopropyl ether		5.14		ND	µg/Kg-dry	1	9/15/2009 1:10:00 F	M RWI
Ethyl acetate	NELAP	51.4		ND	µg/Kg-dry	1	9/15/2009 1:10:00 F	M RWI
Ethyl ether	NELAP	5.14		ND	µg/Kg-dry	1	9/15/2009 1:10:00 F	M RW
Ethyl methacrylate	NELAP	5.14		ND	µg/Kg-dry	1	9/15/2009 1:10:00 F	M RWI
Ethylbenzene	NELAP	5.14	J	1.4	µg/Kg-dry	1	9/15/2009 1:10:00 F	M RWI
Ethyl-tert-butyl ether		5.14		ND	µg/Kg-dry	1	9/15/2009 1:10:00 F	M RWI
Heptane		20.6		ND	µg/Kg-dry	1	9/15/2009 1:10:00 F	M RWI
Hexachlorobutadiene	NELAP	5.14		ND	µg/Kg-dry	1	9/15/2009 1:10:00 F	M RWI
Hexachloroethane	NELAP	5.14		ND	μg/Kg-dry	1	9/15/2009 1:10:00 P	M RWI

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: Environmental Consultants, LLC

Client Project: Hayden - Solutia Backfill 09-0-404

WorkOrder: 09090464

Report Date: 17-Sep-09

Client Sample ID: 03 (A-E)

Lab ID: 09090464-003

Collection Date: 9/14/2009 10:10:00 AM

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	An	alyst
SW-846 5035, 8260B, VOLATILE	ORGANIC COMPO	UNDS E	Y GC/MS					·	
Iodomethane	NELAP	10.3		ND	μg/Kg-dry	1	9/15/2009 1:10:00	PM	RWI
Isopropylbenzene	NELAP	5.14		ND	μg/Kg-dry	1	9/15/2009 1:10:00	PM	RWI
m,p-Xylenes	NELAP	5.14	J	3.2	μg/Kg-dry	1	9/15/2009 1:10:00	PM	RWI
Methacrylonitrile	NELAP	51.4		ND	µg/Kg-dry	1	9/15/2009 1:10:00	PM	RW!
Methyl Methacrylate	NELAP	5.14		ND	µg/Kg-dry	1	9/15/2009 1:10:00	PM	RW
Methyl tert-butyl ether	NELAP	2.06		ND	µg/Kg-dry	1	9/15/2009 1:10:00	PM	RWI
Methylacrylate		10.3		ND	μg/Kg-dry	1	9/15/2009 1:10:00	PM	RWI
Methylene chloride	NELAP	5.14	J	2.4	μg/Kg-dry	1	9/15/2009 1:10:00	PM	RWI
Naphthalene	NELAP	10.3		ND	μg/Kg-dry	1	9/15/2009 1:10:00	PM	RWI
n-Butylbenzene	NELAP	5.14		ND	μg/Kg-dry	1	9/15/2009 1:10:00	PM	RWI
n-Hexane		20.6	J	5,2	μg/Kg-dry	1	9/15/2009 1:10:00	PM	RWI
Nitrobenzene	NELAP	103		ND	µg/Kg-dry	1	9/15/2009 1:10:00	PM	RWI
n-Propylbenzene	NELAP	5.14		ND	μg/Kg-dry	1	9/15/2009 1:10:00	PM	RWI
o-Xylene	NELAP	5.14	J	1.3	μg/Kg-dry	1	9/15/2009 1:10:00	PM	RWI
Pentachloroethane	NELAP	5.14		ND	μg/Kg-dry	1	9/15/2009 1:10:00	PM	RW
p-isopropyltaluene	NELAP	5.14		ND	µg/Kg-dry	1	9/15/2009 1:10:00	PM	RWI
Propionitrile	NELAP	51.4		ND	μg/Kg-dry	1	9/15/2009 1:10:00	PM	RWI
sec-Butylbenzene	NELAP	5.14		ND	μg/Kg-dry	1	9/15/2009 1:10:00	PM	RWI
Styrene	NELAP	5.14		ND	µg/Kg-dry	1	9/15/2009 1:10:00	РМ	RW
tert-Amyl methyl ether		5.14		ND	µg/Kg-dry	1	9/15/2009 1:10:00	PM	RW
tert-Butyl alcohol		51.4		ND	µg/Kg-dry	1	9/15/2009 1:10:00	PM	RWE
tert-Butylbenzene	NELAP	5.14		ND	µg/Kg-dry	1	9/15/2009 1:10:00	PM	RWE
Tetrachloroethene	NELAP	5.14	J	. 1.9	µg/Kg-dry	1	9/15/2009 1:10:00	PM	RWE
Tetrahydrofuran	NELAP	51.4		ND	µg/Kg-dry	1	9/15/2009 1:10:00	PM	RWI
Toluene	NELAP	5.14	J	2,7	μg/Kg-dry	1	9/15/2009 1:10:00	PM	RW
TPH - GRO (C6 - C10)		514		ND	μg/Kg-dry	1	9/15/2009 1:10:00	PM	RWI
trans-1,2-Dichloroethene	NELAP	5.14		ND	μg/Kg-dry	1	9/15/2009 1:10:00	PM	RWE
trans-1,3-Dichloropropene	NELAP	4.11		ND	μg/Kg-dry	1	9/15/2009 1:10:00	PM	RWE
trans-1,4-Dichloro-2-butene	NELAP	10.3		ND	μg/Kg-dry	1	9/15/2009 1:10:00	PM	RW
Trichloroethene	NELAP	5.14		ND	μg/Kg-dry	1	9/15/2009 1:10:00	PM	RW
Trichlorofluoromethane	NELAP	5.14		ND	µg/Kg-dry	1	9/15/2009 1:10:00	PM	RWE
Vinyl acetate	NELAP	51.4		ND	µg/Kg-dry	1	9/15/2009 1:10:00	PM	RW
Vinyl chloride	NELAP	2.06		ND	μg/Kg-dry	1	9/15/2009 1:10:00	PM	RWE
Xylenes, Total	NELAP	5.14	J	4.6	μg/Kg-dry	1	9/15/2009 1:10:00	PM	RWE
Surr: 1,2-Dichloroethane-d4	(61-12B		108.1	%REC	1	9/15/2009 1:10:00	PM	RW
Surr: 4-Bromofluorobenzene	78	.2-117		101.7	%REC	1	9/15/2009 1:10:00	PM	RW
Surr: Dibromofluoromethane	66	.6-130		104.1	%REC	1	9/15/2009 1:10:00	PM	RW
Surr: Toluene-d8	80	.1-122		100.3	%REC	1	9/15/2009 1:10:00	РМ	RW

5445 HORSESHOE LAKE ROAD COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: Environmental Consultants, LLC

Client Project: Hayden - Solutia Backfill 09-0-404

WorkOrder: 09090464

Client Sample ID: 03 (A-E)

Lab ID: 09090464-003

Collection Date: 9/14/2009 10:10:00 AM

Matrix: SOLID

Report Date: 17-Sep-09

Analyses

Certification RL Qual

Result Units

F Date Analyzed Analyst

Sample Narrative

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: Environmental Consultants, LLC

Client Project: Hayden - Solutia Backfill 09-0-404

WorkOrder: 09090464

Client Sample ID: 04 (A-E)

Lab ID: 09090464-004

Collection Date: 9/14/2009 10:15:00 AM

Report Date: 17-Sep-09

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analys
EPA SW846 3550C, 5035A, ASTI	M D2974		į					
Percent Moisture		0.1		16.0	%	1	9/15/2009 1:35:00	M MK
STANDARD METHODS 18TH I	D. 2540 G							
Total Solids		0.1	20	84.0	%	1	9/15/2009 1:35:00 F	PM MR
SW-846 3550B, 8270C SEMI-VO	LATILE ORGANIC	COMPO	UNDS BY	GC/MS				
TPH-DRO (C10 - C21)		14.2		ND	mg/Kg-dry	1	9/15/2009 7:34:00 [PM MA
Sun: 2-Fluorobiphenyl		12-133		62.2	%REC	1	9/15/2009 7:34:00 F	PM MA
Surr: Nitrobenzene-d5	3	0.9-115		63.3	%REC	1	9/15/2009 7:34:00 I	PM MA
Surr: p-Terphenyl-d14	3	1.5-137		62.4	%REC	1	9/15/2009 7:34:00 F	M MA
SW-846 3550B, 8270C, SEMI-VO	LATILE ORGANIC	COMPO	UNDS BY	GC/MS				
1,2,4-Trichlorobenzene	NELAP	0.593	(4	ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	AM DN
1,2-Dichlorobenzene	NELAP	0.593		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	AM DN
1,3-Dichlorobenzene	NELAP	0.593		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	AM DN
1,4-Dichlorobenzene	NELAP	0.593		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	M DN
2,4,5-Trichlorophenol	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	AM DN
2,4,6-Trichlorophenol	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	AM DN
2,4-Dichlorophenol	NELAP	0.593		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	AM DN
2,4-Dimethylphenol	NELAP	0.593		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	AM DA
2,4-Dinitrophenol	NELAP	1.19		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	AM DN
2,4-Dinitrotoluene	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	AM DN
2,6-Dinitrotoluene	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	AM DN
2-Chloronaphthalene	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	AM DA
2-Chiorophenol	NELAP	0.593		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	M DN
2-Methoxy-4-methylphenol		0.771		ND	mg/Kg-dry	. 1	9/16/2009 7:08:00 /	AM DA
2-Methylnaphthalene	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	AM DA
2-Nitroaniline	NELAP	1.19		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	AM DN
2-Nitrophenol	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	AM DA
3,3'-Dichlorobenzidine	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	AM DA
3-Nitroaniline	NELAP	1.19		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	AM DA
4,6-Dinitro-2-methylphenol	NELAP	1.19		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	AM DN
4-Bromophenyl phenyl ether	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	AM DN
4-Chloro-3-methylphenol	NELAP	0.593		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	AM DN
4-Chloroaniline	NELAP	0.593		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	AM DN
4-Chlorophenyl phenyl ether	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	AM DN
4-Nitroaniline	NELAP	0.593		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	M DN
4-Nitrophenol	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	AM DN
Acenaphthene	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	AM DN
Acenaphthylene	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	AM DN
Aniline	NELAP	0.593		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	AM DA

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: Environmental Consultants, LLC

Client Project: Hayden - Solutia Backfill 09-0-404

WorkOrder: 09090464

Client Sample ID: 04 (A-E)

Lab ID: 09090464-004

Collection Date: 9/14/2009 10:15:00 AM

Report Date: 17-Sep-09

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analy
SW-846 3550B, 8270C, SEMI-VO	PLATILE ORGANIC	СОМРО	UNDS BY	GC/MS	i			
Anthracene	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	AM D
Azobenzene		0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	AM D
Benzidine	NELAP	1.25		ND	mg/Kg-dry	1	9/16/2009 7:08:00 A	M D
Benzo(a)anthracene	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	M D
Benzo(a)pyrene	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 A	AM D
Benzo(b)fluoranthene	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 A	AM D
Benzo(g,h,i)perylene	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 A	AM D
Benzo(k)fluoranthene	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 A	MM D
Benzoic acid	NELAP	1.78		ND	mg/Kg-dry	1	9/16/2009 7:08:00 A	M D
Benzyl alcohol	NELAP	0.593		ND	mg/Kg-dry	1	9/16/2009 7:08:00 A	M D
Bis(2-chloroethoxy)methane	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 A	M D
Bis(2-chloroethyl)ether	NELAP	0.593		ND	mg/Kg-dry	1	9/16/2009 7:08:00 A	M D
Bis(2-chloroisopropyi)ether	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 A	M D
Bis(2-ethylhexyl)phthalate	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 A	M D
Butyl benzyl phthalate	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 A	W D
Carbazole		0.593		ND	mg/Kg-dry	1	9/16/2009 7:08:00 A	M D
Chrysene	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 A	
Dibenzo(a,h)anthracene	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 A	M D
Dibenzofuran	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 A	M D
Diethyl phthalate	NELAP	0.593		ND	mg/Kg-dry	1	9/16/2009 7:08:00 A	
Dimethyl phthalate	NELAP	0.415		. ND	mg/Kg-dry	1	9/16/2009 7:08:00 A	M D
Di-n-butyl phthalate	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 A	
Di-n-octyl phthalate	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 A	
Fluoranthene	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 A	
Fluorene	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 A	
Hexachlorobenzene	NELAP	0,415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 A	
Hexachlorobutadiene	NELAP	0.593		ND	mg/Kg-dry	1	9/16/2009 7:08:00 A	
Hexachlorocyclopentadiene	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 A	
Hexachloroethane	NELAP	0.593		ND	mg/Kg-dry	1	9/16/2009 7:08:00 A	
ndeno(1,2,3-cd)pyrene	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 A	
sophorone	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 A	
m.p-Cresol	NELAP	0.593		ND	mg/Kg-dry	1	9/16/2009 7:08:00 A	
Nachthalene	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 A	
Nitrobenzene	NELAP	0.593		ND	mg/Kg-dry	1	9/16/2009 7:08:00 A	
N-Nitrosodimethylamine	NELAP	0.593		ND	mg/Kg-dry	1	9/16/2009 7:08:00 A	
N-Nitroso-di-n-propylamine	NELAP	0.593		ND	mg/Kg-dry	1	9/16/2009 7:08:00 A	
N-Nitrosodiphenylamine	NELAP	0.593		ND	mg/Kg-dry	1	9/16/2009 7:08:00 A	
o-Cresol	NELAP	0.593		ND	mg/Kg-dry	1	9/16/2009 7:08:00 A	

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: Environmental Consultants, LLC

Client Project: Hayden - Solutia Backfill 09-0-404

WorkOrder: 09090464

Client Sample ID: 04 (A-E)

Lab ID: 09090464-004

Collection Date: 9/14/2009 10:15:00 AM

Report Date: 17-Sep-09 Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analys
SW-846 3550B, 8270C, SEMI-VOLA	TILE ORGANIC	COMPO	UNDS BY	GC/MS			•	
Pentachlorophenol	NELAP	2.37		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	AM DN
Phenanthrene	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	AM DA
Phenoi	NELAP	0.415		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	AM DA
Pyrene	NELAP	0.593		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	AM DA
Pyridine	NELAP	0.593		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	AM DA
1,2-Diphenythydrazine		0.996		ND	mg/Kg-dry	1	9/16/2009 7:08:00 /	AM DN
Surr: 2,4,6-Tribromophenoi	33	2.7-130		90.6	%REC	1	9/16/2009 7:08:00 /	AM DA
Surr. 2-Fluorobiphenyl	34	I.1-116		86.3	%REC	1	9/16/2009 7:08:00 /	AM DA
Surr: 2-Fluorophenol		30.5-99		76.9	%REC	1	9/16/2009 7:08:00 /	AM DA
Surr: Nitrobenzene-d5	34	1.1-101		72.0	%REC	1	9/16/2009 7:08:00 /	AM DA
Surr: Phenol-d5	34	1.9-110		82.3	%REC	1	9/16/2009 7:08:00 /	AM DA
Surr: p-Terphenyi-d14	4	1.7-124		108.0	%REC	1	9/16/2009 7:08:00 /	AM DN
SW-846 5035, 8260B, VOLATILE O	RGANIC COMPO	UNDS E	Y GC/MS					
1,1,1,2-Tetrachloroethane	NELAP	5.42		ND	μg/Kg-dry	1	9/15/2009 1:37:00 [M RV
1,1,1-Trichloroethane	NELAP	5.42		ND	μg/Kg-dry	1	9/15/2009 1:37:00 I	M RV
1,1,2,2-Tetrachloroethane	NELAP	5.42		ND	μg/Kg-dry	= 1	9/15/2009 1:37:00 I	M RV
1,1,2-Trichloro-1,2,2-trifluoroethane		5.42		ND	μg/Kg-dry	1	9/15/2009 1:37:00	M RV
1,1,2-Trichloroethane	NELAP	5.42		ND	μg/Kg-dry	1	9/15/2009 1:37:00 [M RV
1,1-Dichloro-2-propanone		54.2		ND	μg/Kg-dry	1	9/15/2009 1:37:00	M RV
1,1-Dichloroethane	NELAP	5.42		ND	µg/Kg-dry	1	9/15/2009 1:37:00	M RV
1,1-Dichloroethene	NELAP	5.42		ND	µg/Kg-dry	1	9/15/2009 1:37:00	PM RV
1,1-Dichtoropropene	NELAP	5.42		ND	µg/Kg-dry	1	9/15/2009 1:37:00	PM RV
1,2,3-Trichlorobenzene	NELAP	5.42		ND	μg/Kg-dry	1	9/15/2009 1:37:00	M RV
1,2,3-Trichloropropane	NELAP	10.8		ND	µg/Kg-dry	1	9/15/2009 1:37:00	M RV
1,2,3-Trimethylbenzene		5.42	3	ND	µg/Kg-dry	1	9/15/2009 1:37:00 [PM RV
1,2,4-Trichlorobenzene	NELAP	5.42		ND	μg/Kg-dry	1 **	9/15/2009 1:37:00 [M RV
1,2,4-Trimethylbenzene	NELAP	5.42		ND	μg/Kg-dry	1	9/15/2009 1:37:00 [PM RV
1,2-Dibromo-3-chloropropane	NELAP	5.42		ND	µg/Kg-dry	1	9/15/2009 1:37:00 i	M RV
1,2-Dibromoethane	NELAP	5.42		ND	μα/Kg-dry	1	9/15/2009 1:37:00 [M RV
1,2-Dichlorobenzene	NELAP	5.42		ND	µg/Kg-dry	1	9/15/2009 1:37:00 [M RV
1,2-Dichloroethane	NELAP	5.42		ND	µg/Kg-dry	1	9/15/2009 1:37:00 [M RV
1.2-Dichloropropane	NELAP	5.42		ND	μg/Kg-dry	1	9/15/2009 1:37:00 [PM RV
1,3,5-Trimethylbenzene	NELAP	5.42		ND	μg/Kg-dry	1	9/15/2009 1:37:00 [PM RV
1,3-Dichlorobenzene	NELAP	5.42		ND	µg/Kg-dry	1	9/15/2009 1:37:00 [
1,3-Dichloropropane	NELAP	5.42		ND	μg/Kg-dry	1	9/15/2009 1:37:00 [
1,4-Dichlorobenzene	NELAP	5.42		ND	μg/Kg-dry	1	9/15/2009 1:37:00 [
1-Chlorobutane	NELAP	5.42		ND	μg/Kg-dry	1	9/15/2009 1:37:00	
2.2-Dichloropropane	NELAP	5.42		ND	μg/Kg-dry	1	9/15/2009 1:37:00 1	

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: Environmental Consultants, LLC

Client Project: Hayden - Solutia Backfill 09-0-404

WorkOrder: 09090464

Report Date: 17-Sep-09

Client Sample ID: 04 (A-E)

Lab ID: 09090464-004

Collection Date: 9/14/2009 10:15:00 AM

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
SW-846 5035, 8260B, VOLATI	LE ORGANIC COMPO	UNDS E	Y GC/MS					
2-Butanone	NELAP	54.2		ND	μg/Kg-dry	1	9/15/2009 1:37:00 F	M RW
2-Chlorotoluene	NELAP	5.42		ND	μg/Kg-dry	1	9/15/2009 1:37:00 F	M RW
2-Hexanone	NELAP	54.2		ND	μg/Kg-dry	1	9/15/2009 1:37:00 P	M RW
2-Nitropropane	NELAP .	54.2		ND	μg/Kg-dry	1	9/15/2009 1:37:00 P	M RW
4-Chlorotoluene	NELAP	5.42		ND	μg/Kg-dry	1	9/15/2009 1:37:00 P	M RW
4-Methyl-2-pentanone	NELAP	54.2		ND	μg/Kg-dry	1	9/15/2009 1:37:00 P	M RW
Acetone	NELAP	54.2	J	22	µg/Kg-dry	1	9/15/2009 1:37:00 P	M RW
Acetonitrile	NELAP	108		ND	μg/Kg-dry	1	9/15/2009 1:37:00 P	M RW
Acrolein	NELAP	108		ND	µg/Kg-dry	1	9/15/2009 1:37:00 P	M RW
Acrylonitrile	NELAP	10.8		ND	μg/Kg-dry	1	9/15/2009 1:37:00 P	M RW
Altyl chloride	NELAP	5.42		ND	µg/Kg-dry	1	9/15/2009 1:37:00 P	M RW
Benzene	NELAP	1.08		ND	µg/Kg-dry	1	9/15/2009 1:37:00 P	M RW
Bromobenzene	NELAP	5.42		ND	µg/Kg-dry	1	9/15/2009 1:37:00 P	M RW
Bromochloromethane	NELAP	5.42		ND	µg/Kg-dry	1	9/15/2009 1:37:00 P	M RW
Bromodichloromethane	NELAP	5.42		ND	μg/Kg-dry	1	9/15/2009 1:37:00 F	M RW
Bromoform	NELAP	5.42		ND	μg/Kg-dry	1	9/15/2009 1:37:00 P	M RW
Bromomethane	NELAP	10.8		ND	μg/Kg-dry	1	9/15/2009 1:37:00 P	M RW
Carbon disulfide	NELAP	5.42		ND	μg/Kg-dry	1	9/15/2009 1:37:00 F	M RW
Carbon tetrachloride	NELAP	5.42		ND	µg/Kg-dry	1	9/15/2009 1:37:00 F	M RW
Chlorobenzene	NELAP	5.42		ND	μg/Kg-dry	1	9/15/2009 1:37:00 P	M RW
Chloroethane	NELAP	10.8		ND	µg/Kg-dry	1	9/15/2009 1:37:00 F	M RW
Chloroform	NELAP	5.42		ND	μg/Kg-dry	1	9/15/2009 1:37:00 P	M RW
Chloromethane	NELAP	10.8		ND	μg/Kg-dry	1	9/15/2009 1:37:00 P	M RW
cis-1,2-Dichloroethene	NELAP	5.42		ND	µg/Kg-dry	1	9/15/2009 1:37:00 F	M RW
cis-1,3-Dichloropropene	NELAP ⁶	4.34		ND	μg/Kg-dry	1	9/15/2009 1:37:00 P	M RW
Cyclohexanone		108		ND	μg/Kg-dry	1	9/15/2009 1:37:00 F	M RW
Dibromochloromethane	NELAP	5.42		ND	µg/Kg-dry	1	9/15/2009 1:37:00 P	M RW
Dibromomethane	NELAP	5.42		ND	µg/Kg-dry	1	9/15/2009 1:37:00 P	M RW
Dichlorodifluoromethane	NELAP	10.8		ND	µg/Kg-dry	1	9/15/2009 1:37:00 P	M RW
Diisopropyl ether		5.42		ND	µg/Kg-dry	1	9/15/2009 1:37:00 P	M RW
Ethyl acetate	NELAP	54.2		ND	μg/Kg-dry	1	9/15/2009 1:37:00 P	M RW
Ethyl ether	NELAP	5.42		ND	µg/Kg-dry	1	9/15/2009 1:37:00 P	M RW
Ethyl methacrylate	NELAP	5.42		ND	µg/Kg-dry	1	9/15/2009 1:37:00 P	M RW
Ethylbenzene	NELAP	5.42	J	1,1	µg/Kg-dry	1	9/15/2009 1:37:00 F	M RW
Ethyl-tert-butyl ether		5.42		ND	µg/Kg-dry	1	9/15/2009 1:37:00 P	M RW
Heptane		21.7		ND	μg/Kg-dry	1	9/15/2009 1:37:00 F	M RW
Hexachlorobutadiene	NELAP	5.42		ND	μg/Kg-dry	1	9/15/2009 1:37:00 P	M RW
Hexachloroethane	NELAP	5.42		ND	μg/Kg-dry	1	9/15/2009 1:37:00 P	M RW

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: Environmental Consultants, LLC

Client Project: Hayden - Solutia Backfill 09-0-404

WorkOrder: 09090464

Report Date: 17-Sep-09

Client Sample ID: 04 (A-E)

Lab ID: 09090464-004

Collection Date: 9/14/2009 10:15:00 AM

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed An	alyst
SW-846 5035, 8260B, VOLATILE	ORGANIC COMPO	UNDS E	Y GC/MS					
lodomethane	NELAP	10.8		ND	μg/Kg-dry	1	9/15/2009 1:37:00 PM	RW
Isopropylbenzene	NELAP	5.42		ND	µg/Kg-dry	1	9/15/2009 1:37:00 PM	RW
m,p-Xylenes	NELAP	5.42	J	2.6	µg/Kg-dry	1	9/15/2009 1:37:00 PM	RW
Methacrylonitrile	NELAP	54.2		ND	µg/Kg-dry	1	9/15/2009 1:37:00 PM	RW
Methyl Methacrylate	NELAP	5.42		ND	μg/Kg-dry	1	9/15/2009 1:37:00 PM	RW
Methyl tert-butyl ether	NELAP	2.17		ND	µg/Kg-dry	1	9/15/2009 1:37:00 PM	RW
Methylacrylate		10.8		ND	µg/Kg-dry	1	9/15/2009 1:37:00 PM	RW
Methylene chloride	NELAP	5.42	J	2.7	μg/Kg-dry	1	9/15/2009 1:37:00 PM	RW
Naphthalene	NELAP	10.8		ND	µg/Kg-dry	1	9/15/2009 1:37:00 PM	RW
n-Butylbenzene	NELAP	5.42		ND	µg/Kg-dry	1	9/15/2009 1:37:00 PM	RW
n-Hexane		21.7	J	4.6	µg/Kg-dry	1	9/15/2009 1:37:00 PM	RW
Nitrobenzene	NELAP	108		ND	µg/Kg-dry	1	9/15/2009 1:37:00 PM	RW
n-Propylbenzene	NELAP	5.42		ND	µg/Kg-dry	1	9/15/2009 1:37:00 PM	RW
o-Xylene	NELAP	5.42	J	1.1	μg/Kg-dry	1	9/15/2009 1:37:00 PM	RW
Pentachloroethane	NELAP	5.42		ND	µg/Kg-dry	1	9/15/2009 1:37:00 PM	RW
p-Isopropyttokiene	NELAP	5.42		ND	μg/Kg-dry	1	9/15/2009 1:37:00 PM	RW
Propionitrile	NELAP	54.2		ND	μg/Kg-dry	1	9/15/2009 1:37:00 PM	RW
sec-Butylbenzene	NELAP	5.42		ND	µg/Kg-dry	1	9/15/2009 1:37:00 PM	RW
Styrene	NELAP	5.42		ND	µg/Kg-dry	1	9/15/2009 1:37:00 PM	RW
tert-Amyl methyl ether		5.42		ND	μg/Kg-dry	1	9/15/2009 1:37:00 PM	RW
tert-Butyl alcohol		54.2		ND	µg/Kg-dry	1	9/15/2009 1:37:00 PM	RW
tert-Butylbenzene	NELAP	5.42		ND	µg/Kg-dry	1	9/15/2009 1:37:00 PM	RW
Tetrachioroethene	NELAP	5.42		ND	μg/Kg-dry	1	9/15/2009 1:37:00 PM	RW
Tetrahydrofuran	NELAP	54.2		ND	μg/Kg-dry	1	9/15/2009 1:37:00 PM	RW
Toluene	NELAP	5.42	J	2,2	μg/Kg-dry	1	9/15/2009 1:37:00 PM	RW
TPH - GRO (C6 - C10)		542		ND	μg/Kg-dry	1	9/15/2009 1:37:00 PM	RW
rans-1,2-Dichloroethene	NELAP	5.42		ND	μg/Kg-dry	1	9/15/2009 1:37:00 PM	RW
rans-1,3-Dichloropropene	NELAP	4.34		ND	μg/Kg-dry	1	9/15/2009 1:37:00 PM	RW
rans-1,4-Dichloro-2-butene	NELAP	10.8		ND	µg/Kg-dry	1	9/15/2009 1:37:00 PM	RW
Trichloroethene	NELAP	5.42		ND	μ g/ Kg-dry	1	9/15/2009 1:37:00 PM	RW
Frichlorofluoromethane	NELAP	5.42		ND	μg/Kg-dry	1	9/15/2009 1:37:00 PM	RW
Vinyl acetate	NELAP	54.2		ND	µg/Kg-dry	1	9/15/2009 1:37:00 PM	RW
Vinyl chloride	NELAP	2.17		ND	μg/Kg-dry	1	9/15/2009 1:37:00 PM	RW
Kylenes, Total	NELAP	5.42	J	3.6	μg/Kg-dry	1	9/15/2009 1:37:00 PM	RW
Surr. 1,2-Dichloroethane-d4	6	31-128		109.9	%REC	1	9/15/2009 1:37:00 PM	RW
Surr. 4-Bromofluorobenzene	78	.2-117		102.6	%REC	1	9/15/2009 1:37:00 PM	RW
Surr. Dibromofluoromethane		6-130		105.3	%REC	1	9/15/2009 1:37:00 PM	RW
Surr: Toluene-d8		.1-122		102.0	%REC	1	9/15/2009 1:37:00 PM	RW

5445 HORSESHOE LAKE ROAD **COLLINSVILLE, ILLINOIS 62234**

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: Environmental Consultants, LLC

Lab ID: 09090464-004

Report Date: 17-Sep-09

WorkOrder: 09090464

Client Project: Hayden - Solutia Backfill 09-0-404

Client Sample ID: 04 (A-E)

Collection Date: 9/14/2009 10:15:00 AM

Matrix: SOLID

Analyses Certification RL Result Units Date Analyzed Analyst Qual

Sample Narrative

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: Environmental Consultants, LLC

Client Project: Hayden - Solutia Backfill 09-0-404

WorkOrder: 09090464

Client Sample ID: 05 (A-E)

Lab ID: 09090464-005

Collection Date: 9/14/2009 10:20:00 AM

Report Date: 17-Sep-09

Analyses	Certification	RL Q	ual Result	Units	DF	Date Analyzed	Analyst
EPA SW846 3550C, 5035A, ASTM	D2974				±¥		
Percent Moisture		0.1	15.2	%	1	9/15/2009 1:35:00 [PM MK
STANDARD METHODS 18TH EI	D. 2540 G					•	
Total Solids		0.1	84.8	%	1	9/15/2009 1:35:00	PM MK
SW-846 3550B, 8270C SEMI-VOI			DS BY GC/MS				
TPH-DRO (C10 - C21)		14.0	ND	mg/Kg-dry	1	9/15/2009 8:02:00 (
Surr: 2-Fluorobiphenyl	12-	133	62.7	%REC	1	9/15/2009 8:02:00 [
Surr: Nitrobenzene-d5	30.9-		62.8	%REC	1	9/15/2009 8:02:00	
Surr: p-Terphenyl-d14	31.5-		64.8	%REC	1	9/15/2009 8:02:00	PM MA
SW-846 3550B, 8270C, SEMI-VOI							
1,2,4-Trichlorobenzene	-	.584	ND	mg/Kg-dry	1	9/16/2009 7:38:00 /	
1,2-Dichlorobenzene	NELAP 0	.584	ND	mg/Kg-dry	1	9/16/2009 7:38:00 /	
1,3-Dichlorobenzene	NELAP 0.	.584	ND	mg/Kg-dry	1	9/16/2009 7:38:00	AM DM
1,4-Dichlorobenzene	NELAP 0.	.584	ND	mg/Kg-dry	1	9/16/2009 7:38:00 /	AM DM
2,4,5-Trichlorophenol	NELAP 0.	409	ND	mg/Kg-dry	1	9/16/2009 7:38:00 /	AM DM
2,4,6-Trichlorophenol	NELAP 0.	409	ND	mg/Kg-dry	1	9/16/2009 7:38:00	AM DM
2,4-Dichlorophenol	NELAP 0.	.584	ND	mg/Kg-dry	1	9/16/2009 7:38:00	AM DM
2,4-Dimethylphenol	NELAP 0.	.584	ND	mg/Kg-dry	1	9/16/2009 7:38:00 /	AM DM
2,4-Dinitrophenol	NELAP	1.17	ND	mg/Kg-dry	1	9/16/2009 7:38:00 /	AM DM
2,4-Dinitrotoluene	NELAP 0.	409	ND	mg/Kg-dry	1	9/16/2009 7:38:00 /	AM DM
2,6-Dinitrotoluene	NELAP 0.	409	ND	mg/Kg-dry	1	9/16/2009 7:38:00 /	AM DM
2-Chloronaphthalene	NELAP 0.	409	ND	mg/Kg-dry	1	9/16/2009 7:38:00 /	AM DM
2-Chlorophenol	NELAP 0.	584	ND	mg/Kg-dry	1	9/16/2009 7:38:00 /	AM DM
2-Methoxy-4-methylphenol	0.	759	ND	mg/Kg-dry	1	9/16/2009 7:38:00 /	AM DM
2-Methylnaphthalene	NELAP 0.	409	ND	mg/Kg-dry	1	9/16/2009 7:38:00 /	AM DM
2-Nitroaniline	NELAP	1.17	ND	mg/Kg-dry	1	9/16/2009 7:38:00	AM DM
2-Nitrophenol	NELAP 0.	409	ND	mg/Kg-dry	1	9/16/2009 7:38:00 /	AM DM
3,3'-Dichlorobenzidine	NELAP 0.	409	ND	mg/Kg-dry	1	9/16/2009 7:38:00 /	AM DM
3-Nitroaniline	NELAP	1.17	ND	mg/Kg-dry	1	9/16/2009 7:38:00 /	AM DM
4,6-Dinitro-2-methylphenol	NELAP	1.17	ND	mg/Kg-dry	==1	9/16/2009 7:38:00 /	AM DM
4-Bromophenyl phenyl ether		409	ND	mg/Kg-dry	1	9/16/2009 7:38:00 /	AM DM
4-Chloro-3-methylphenol	NELAP 0.	.584	ND	mg/Kg-dry	1	9/16/2009 7:38:00 /	AM DM
4-Chloroaniline		584	ND	mg/Kg-dry	1	9/16/2009 7:38:00 /	
4-Chlorophenyl phenyl ether		409	ND	mg/Kg-dry	1	9/16/2009 7:38:00 /	
4-Nitroaniline		584	ND	mg/Kg-dry	1	9/16/2009 7:38:00 /	
4-Nitrophenol		409	ND	mg/Kg-dry	1	9/16/2009 7:38:00 /	
Acenaphthene	• • • • • • • • • • • • • • • • • • • •	409	ND	mg/Kg-dry	1	9/16/2009 7:38:00 /	
Acenaphthylene		409	ND	mg/Kg-dry	1	9/16/2009 7:38:00 /	
Aniline		584	ND	mg/Kg-dry	1	9/16/2009 7:38:00	

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: Environmental Consultants, LLC

Client Project: Hayden - Solutia Backfill 09-0-404

WorkOrder: 09090464

Client Sample ID: 05 (A-E)

Lab ID: 09090464-005

Collection Date: 9/14/2009 10:20:00 AM

Report Date: 17-Sep-09

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed A	nalyst
SW-846 3550B, 8270C, SEMI-VO	LATILE ORGANIC	COMPO	UNDS BY	GC/MS				
Anthracene	NELAP	0.409		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AN	1 DMF
Azobenzene		0.409		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AM	I DMI
Benzidine	NELAP	1.23		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AN	I DMI
Benzo(a)anthracene	NELAP	0.409		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AN	MI DMI
Benzo(a)pyrene	NELAP	0.409		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AN	I DMI
Benzo(b)fluoranthene	NELAP	0.409		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AN	1 DMF
Benzo(g,h,i)perylene	NELAP	0.409		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AN	I DMI
Benzo(k)fluoranthene	NELAP	0.409		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AN	1 DMF
Benzoic acid	NELAP	1.75		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AN	1 DMF
Benzyl alcohol	NELAP	0.584		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AM	I DMI
Bis(2-chloroethoxy)methane	NELAP	0.409		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AN	I DMI
Bis(2-chloroethyl)ether	NELAP	0.584		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AN	I DMI
Bis(2-chloroisopropyl)ether	NELAP	0.409		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AN	I DMI
Bis(2-ethylhexyl)phthalate	NELAP	0.409		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AM	DMI-
Butyl benzyl phthalate	NELAP	0.409		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AN	DMI-
Carbazole		0.584		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AM	I DMF
Chrysene	NELAP	0.409		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AM	I DMF
Dibenzo(a,h)anthracene	NELAP	0.409		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AM	I DMF
Dibenzofuran	NELAP	0.409		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AN	DMH
Diethyl phthalate	NELAP	0.584		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AM	I DMF
Dimethyl phthalate	NELAP	0.409		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AM	DMF
Di-n-butyl phthalate	NELAP	0.409		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AM	I DMF
Di-n-octyl phthalate	NELAP	0.409		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AM	DMF
Fluoranthene	NELAP	0.409		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AM	DMI-
Fluorene	NELAP	0.409		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AM	DMF
Hexachlorobenzene	NELAP	0.409		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AM	DMI-
Hexachlorobutadiene	NELAP	0.584		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AM	DMF
Hexachlorocyclopentadiene	NELAP	0.409		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AM	DMI
Hexachloroethane	NELAP	0.584		ND	mg/Kg-dry	1_	9/16/2009 7:38:00 AM	DMI-
Indeno(1,2,3-cd)pyrene	NELAP	0.409		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AM	DMI
Isophorone	NELAP	0.409		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AN	DMI-
m,p-Cresol	NELAP	0.584		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AM	I DMF
Naphthalene	NELAP	0.409		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AM	I DMF
Nitrobenzene	NELAP	0.584		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AM	DMH
N-Nitrosodimethylamine	NELAP	0.584		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AM	DMH
N-Nitroso-di-n-propytamine	NELAP	0.584		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AM	DMF
N-Nitrosodiphenylamine	NELAP	0.584		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AM	DMF
o-Cresol	NELAP	0.584		ND	mg/Kg-dry	1	9/16/2009 7:38:00 AM	DMF

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: Environmental Consultants, LLC

Client Project: Hayden - Solutia Backfill 09-0-404

WorkOrder: 09090464

Client Sample ID: 05 (A-E)

Lab ID: 09090464-005

Collection Date: 9/14/2009 10:20:00 AM

Report Date: 17-Sep-09 Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analy	yst
SW-846 3550B, 8270C, SEMI-VOLA	TILE ORGANIC	СОМРО	UNDS BY	GC/MS					
Pentachlorophenol	NELAP	2.33		ND	mg/Kg-dry	1	9/16/2009 7:38:00 /	AM D	DMI
Phenanthrene	NELAP	0.409		ND	mg/Kg-dry	1	9/16/2009 7:38:00 /	AM D	DM
Phenoi	NELAP	0.409		ND	mg/Kg-dry	1	9/16/2009 7:38:00 /	AM D	DMI
Pyrene	NELAP	0.584	*	ND	mg/Kg-dry	1	9/16/2009 7:38:00 /	AM D	DM
Pyridine	NELAP	0.584		ND	mg/Kg-dry	1	9/16/2009 7:38:00 /	AM D	DMI
1,2-Diphenylhydrazine		0.980		ND	mg/Kg-dry	1	9/16/2009 7:38:00	AM D	DMI
Surr: 2,4,6-Tribromophenol	33	2.7-130		90.9	%REC	1	9/16/2009 7:38:00 /	AM D	DMI
Surr: 2-Fluorobiphenyl	34	1.1-116		90.7	%REC	1	9/16/2009 7:38:00	AM D	DMI
Surr: 2-Fluorophenol		30.5-99		75.3	%REC	1	9/16/2009 7:38:00 /	AM D	DM
Sun: Nitrobenzene-d5	34	1.1-101		74.6	%REC	1	9/16/2009 7:38:00	AM D	DMI
Surr: Phenol-d5	34	1.9-110		78.1	%REC	1	9/16/2009 7:38:00 /	AM D	DMI
Surr: p-Terphenyl-d14	4	1.7-124		114.3	%REC	1	9/16/2009 7:38:00 /	AM D	DMI
SW-846 5035, 8260B, VOLATILE O	RGANIC COMPO	UNDS E	Y GC/MS						
1,1,1,2-Tetrachloroethane	NELAP	5.80		MD	µg/Kg-dry	1	9/15/2009 2:03:00 (PM R	RW
1,1,1-Trichloroethane	NELAP	5.80		ND	µg/Kg-dry	1	9/15/2009 2:03:00	PM R	RW
1,1,2,2-Tetrachloroethane	NELAP	5.80		ND	µg/Kg-dry	1	9/15/2009 2:03:00 [PM R	RW
1,1,2-Trichloro-1,2,2-trifluoroethane		5.80		ND	μg/Kg-dry	1	9/15/2009 2:03:00	PM R	RW
1,1,2-Trichloroethane	NELAP	5.80		ND	µg/Kg-dry	1	9/15/2009 2:03:00	PM R	RW
1,1-Dichloro-2-propanone		58.0		ND	µg/Kg-dry	_ 1	9/15/2009 2:03:00	PM F	RW
1,1-Dichloroethane	NELAP	5.80		ND	μg/Kg-dry	1	9/15/2009 2:03:00	PM F	RW
1,1-Dichloroethene	NELAP	5.80		ND	μg/Kg-dry	1	9/15/2009 2:03:00	PM R	RW
1,1-Dichloropropene	NELAP	5.80		ND	μg/Kg-dry	1	9/15/2009 2:03:00	PM R	RW
1,2,3-Trichlorobenzene	NELAP	5.80		ND	μg/Kg-dry	1	9/15/2009 2:03:00 (PM R	RW
1,2,3-Trichloropropane	NELAP	11.6		ND	μg/Kg-dry	1	9/15/2009 2:03:00	PM R	RW!
1,2,3-Trimethylbenzene		5.80		ND	μg/Kg-dry	1	9/15/2009 2:03:00	PM R	RW
1,2,4-Trichlorobenzene	NELAP	5.80		ND	μg/Kg-dry	1	9/15/2009 2:03:00	PM R	RW
1,2,4-Trimethylbenzene	NELAP	5.80		ND	µg/Kg-dry	1	9/15/2009 2:03:00 [PM R	RW
1,2-Dibromo-3-chloropropane	NELAP	5.80		ND	µg/Kg-dry	1	9/15/2009 2:03:00 [PM R	RW.
1,2-Dibromoethane	NELAP	5.80		ND	µg/Kg-dry	1	9/15/2009 2:03:00 [PM R	RW
1,2-Dichlorobenzene	NELAP	5.80		ND	μg/Kg-dry	1	9/15/2009 2:03:00	PM R	RW.
1,2-Dichloroethane	NELAP	5.80		ND	μg/Kg-dry	1	9/15/2009 2:03:00 [PM R	RW
1,2-Dichloropropane	NELAP	5.80		ND	μg/Kg-dry	1	9/15/2009 2:03:00 [PM R	RW
1,3,5-Trimethylbenzene	NELAP	5.80		ND	µg/Kg-dry	1	9/15/2009 2:03:00	PM R	RW
1.3-Dichlorobenzene	NELAP	5.80		ND	μg/Kg-dry	1	9/15/2009 2:03:00	PM R	RW
1,3-Dichloropropane	NELAP	5.80		ND	μg/Kg-dry	1	9/15/2009 2:03:00 (PM F	RW
1,4-Dichlorobenzene	NELAP	5.80		ND	μg/Kg-dry	1	9/15/2009 2:03:00	PM R	RW
1-Chlorobutane	NELAP	5.80		ND	μg/Kg-dry	1	9/15/2009 2:03:00	PM R	RW
2.2-Dichloropropane	NELAP	5.80		ND	μg/Kg-dry	1	9/15/2009 2:03:00	PM R	RW

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: Environmental Consultants, LLC

Client Project: Hayden - Solutia Backfill 09-0-404

WorkOrder: 09090464

Client Sample ID: 05 (A-E)

Lab ID: 09090464-005

Collection Date: 9/14/2009 10:20:00 AM

Report Date: 17-Sep-09

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed Ar	alyst
SW-846 5035, 8260B, VOLATI	LE ORGANIC COMPO	UNDS B	Y GC/MS					
2-Butanone	NELAP	58.0		ND	μg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
2-Chlorotoluene	NELAP	5.80		ND	µg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
2-Hexanone	NELAP	58.0		ND	µg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
2-Nitropropane	NELAP	58.0		ND	µg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
4-Chlorotoluene	NELAP	5.80		ND	μg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
4-Methyl-2-pentanone	NELAP	58.0		ND	µg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Acetone	NELAP	58.0	J	20	µg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Acetonitrile	NELAP	116		ND	μg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Acrolein	NELAP	116		ND	μg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Acrylonitrile	NELAP	11.6		ND	µg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Allyl chloride	NELAP	5.80		ND	μg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Benzene	NELAP	1.16		ND	μg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Bromobenzene	NELAP	5.80		ND	μg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Bromochloromethane	NELAP	5.80		ND	μg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Bromodichloromethane	NELAP	5.80		ND	μg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Bromoform	NELAP	5.80		ND	μg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Bromomethane	NELAP	11.6		ND	µg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Carbon disulfide	NELAP	5.80		ND	μg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Carbon tetrachloride	NELAP	5.80		ND	µg/Kg-dry	1	9/15/2009 2:03:00 PM	- RW
Chlorobenzene	NELAP	5.80		ND	μg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Chloroethane	NELAP	11.6		ND	μg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Chloroform	NELAP	5.80		ND	µg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Chloromethane	NELAP	11.6		ND	μg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
cis-1,2-Dichloroethene	NELAP	5.80		ND	μg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
cis-1,3-Dichloropropene	NELAP	4.64		ND	μg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Cyclohexanone		116		ND	μg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Dibromochloromethane	NELAP	5.80		ND	µg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Dibromomethane	NELAP	5.80		ND	μg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Dichlorodifluoromethane	NELAP	11.6		ND	μg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Diisopropyl ether		5.80		ND	μg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Ethyl acetate	NELAP	58.0		ND	μg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Ethyl ether	NELAP	5.80		ND	μg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Ethyl methacrylate	NELAP	5.80		ND	μg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Ethylbenzene	NELAP	5.80		ND	µg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Ethyl-tert-butyl ether		5.80		ND	μg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Heptane		23.2		ND	μg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Hexachlorobutadiene	NELAP	5.80		ND	μg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Hexachloroethane	NELAP	5.80		ND	μg/Kg-dry	1	9/15/2009 2:03:00 PM	RW

TEKLAB, INC.

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: Environmental Consultants, LLC

WorkOrder: 09090464

Lab ID: 09090464-005

Report Date: 17-Sep-09

Client Project: Hayden - Solutia Backfill 09-0-404

Client Sample ID: 05 (A-E)

Collection Date: 9/14/2009 10:20:00 AM

Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed A	nalyst
SW-846 5035, 8260B, VOLATILE	ORGANIC COMPO	UNDS E	Y GC/MS		,			
Iodomethane	NELAP	11.6		ND	μg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Isopropylbenzene	NELAP	5.80		ND	µg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
m,p-Xylenes	NELAP	5.80	J	2.6	μg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Methacrylonitrile	NELAP	58.0	**	ND	µg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Methyl Methacrylate	NELAP,	5.80		ND	μg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Methyl tert-butyl ether	NELAP	2.32		ND	µg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Methylacrylate		11.6		ND	µg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Methylene chloride	NELAP	5.80	J	2.6	µg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Naphthalene	NELAP	11.6		ND	µg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
n-Butylbenzene	NELAP	5.80		ND	µg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
n-Hexane		23.2	j	5.3	μg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Nitrobenzene	NELAP	116		ND	µg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
n-Propyibenzene	NELAP	5.80		ND	µg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
o-Xylene	NELAP	5.80		ND	µg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Pentachloroethane	NELAP	5.80		ND	µg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
p-Isopropyttoluene	NELAP	5.80		ND	µg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Propionitrile	NELAP	58.0		DM	µg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
sec-Butylbenzene	NELAP	5.80		ND	µg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Styrene	NELAP	5.80		ND	µg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
tert-Amyl methyl ether		5.80		ND	µg/Kg-dry	1	9/15/2009 2:03:00 PM	
tert-Butyl alcohol		58.0		ND	µg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
tert-Butylbenzene	NELAP	5.80		ND	μg/Kg-dry	1	9/15/2009 2:03:00 PM	
Tetrachloroethene	NELAP	5.80		ND	μg/Kg-dry	1	9/15/2009 2:03:00 PM	
Tetrahydrofuran	NELAP	58.0		ND	µg/Kg-dry	1	9/15/2009 2:03:00 PM	
Toluene	NELAP	5.80	j	2.3	μg/Kg-dry	1	9/15/2009 2:03:00 PM	
TPH - GRO (C6 - C10)		580		ND	µg/Kg-dry	1	9/15/2009 2:03:00 PM	
trans-1,2-Dichloroethene	NELAP	5.80		ND	µg/Kg-dry	1	9/15/2009 2:03:00 PM	
trans-1,3-Dichloropropene	NELAP	4.64		ND	µg/Kg-dry	1	9/15/2009 2:03:00 PM	
trans-1,4-Dichloro-2-butene	NELAP	11.6		ND	μg/Kg-dry	1	9/15/2009 2:03:00 PM	
Trichloroethene	NELAP	5.80		ND	µg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Trichlorofluoromethane	NELAP	5.80		NĐ	µg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Vinyl acetate	NELAP	58.0		ND	µg/Kg-dry	1	9/15/2009 2:03:00 PM	RW
Vinyl chloride	NELAP	2.32		NĐ	µg/Kg-dry	1	9/15/2009 2:03:00 PM	
Xylenes, Total	NELAP	5.80	J	2,6	µg/Kg-dry	1	9/15/2009 2:03:00 PM	
Surr: 1,2-Dichloroethane-d4	(61-128		110.1	%REC	1	9/15/2009 2:03:00 PM	RW
Surr: 4-Bromofluorobenzene	78	1.2-117		101.7	%REC	1	9/15/2009 2:03:00 PM	
Surr: Dibromofluoromethane		6.6-130		105.9	%REC	1	9/15/2009 2:03:00 PM	
Surr: Toluene-d8	80	.1-122		99.4	%REC	1	9/15/2009 2:03:00 PM	RWI

TEKLAB, INC.

5445 HORSESHOE LAKE ROAD COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

LABORATORY RESULTS

Client: Environmental Consultants, LLC

WorkOrder: 09090464

Lab ID: 09090464-005

Report Date: 17-Sep-09

Client Project: Hayden - Solutia Backfill 09-0-404

Client Sample ID: 05 (A-E)

Collection Date: 9/14/2009 10:20:00 AM

Matrix: SOLID

Analyses Certification RL Qual Result Units DF Date Analysed Analyst

Sample Narrative

TEKLAB, INC

ANALYTICAL QC SUMMARY REPORT

Key QC concepts:

- CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration
- Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes
- Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original DUP
- Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated
- Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and blas or to assess the performance of all or a portion of the measurement system, (NELAC) The acceptable recovery range is listed in this report. rcs
- Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report. LCSD
- Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this raport. MS
 - Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report. MSD
- Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte. MDL
 - Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simuttaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that Impact the analytical results for sample analyses. (NELAC MB/LCB
 - Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of practsion and accuracy during routine aboratory operation conditions. The acceptable recovery range is listed in this report. PQL
- The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL. 꿃
- RPD Relative percent difference is a calculated difference between two recoveries (Ie. MS/MSD). The acceptable recovery limit is listed in this report
- SPK. The spike is a known mass of target arratyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)
- Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in

	Qualiffers		
DF - Dilution Factor	B - Analyte detected in the associated Method Blank	C - Client requested RL below PQL	MI - Matrix interference
RL Reporting Limit	J - Analyte detected below reporting limits	D - Diluted out of sample	DNI - Did not ignite
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	IDPH - IL Dept. of Public Health	E - Value above quantitation range
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	Q - QC criteria failed	H - Holding time exceeded
TNTC - Too numerous to count (> 200 CFU)	X - Value exceeds Maximum Contaminant Level	# - Unknown hydrocarbon	NELAP - IL ELAP and NELAP Accredited

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Project: Hayden - Solutia Backfill 09-0-404

Report Date: 17-Sep-09 Lab Order: 09090464

TestCode: I_TS_M_MT

ANALYTICAL QC SUMMARY REPORT

Sample ID: LCS-R126869	SampType: LCS			Units: %		Prep Date:	iii		RunNo: 126869	
Client ID: ZZZZZZ	Batch ID: R126869					Analysis Date: 9/15/2009	9: 9/15/20	60	SeqNo: 2384458	
Analyte	Result	Po	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit	imit Qual
Total Solids	1.0	0.1	1.000	0	100	06	110			
Sample ID: 09090463-001ADUP SampType: DUP Client ID: ZZZZZZ Batch ID: R126	SampType: DUP Batch ID: R126869			Units: %		Prep Date: Analysis Date: 9/15/2009	9: 8: 9/15/20	60	RunNo: 126869 SeaNo: 2384460	
Analyte	Result	졑	SPK value	SPK Ref Vai	%REC	LowLimit	HighLimit	HighLimit RPD Ref Val	%RPD RPDLImit	imit Quai
Total Solids	61.3	0.1						60.40	1.50	ट
Sample (D: 09090464-001ADUP Client ID: 01 (A-E)DUP	SampType: DUP Batch ID: R126869			Units: %		Prep Date: Analysis Date: 9/15/2009	e: e: 9/15/20	60	RunNo: 126869 SeqNo: 2384462	
Analyte	Result	Ą	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	HighLimit RPD Ref Val	%RPD RPDLimit	imit Qual
Total Solids	84.7	0.1						84.47	0.286	15
Sample ID: LCSQC Clent ID: ZZZZZZ	SampType: LCSQC Batch ID: R126869			Units: %		Prep Date: Analysis Date: 9/15/2009	ə: 8: 9/1 5/20	60	RunNo: 126869 SeqNo: 2384475	
Analyte	Result	PQ	SPK value	SPK value SPK Ref Val	%REC	LowLimit	HighLimit	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLImit	Imit Qual
Total Solids	1.0	0.1	1.000	0	100	06	110			

Project: Hayden - Solutia Backfill 09-0-404

Lab Order: 09090464 Report Date: 17-Sep-09

TestCode: SV_8270S_S

ANALYTICAL QC SUMMARY REPORT

Client ID: ZZZZZZ Analyte 1,2,4-Trichlorobenzene 1,4-Dichlorobenzene									Sould 2284589	4509	
Analyte 1,2,4-Trichlorobenzene 1,4-Dichlorobenzene	batch IU: 55455			SWSSSUB		Analysis Date: 9/16/2009	e: 9/16/20	600	Sequence work	7004	
1,2,4-Trichlorobenzene 1,4-Dichlorobenzene	Result	豆	SPK value	SPK Ref Val	%REC	LowLinit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	1.28	0.500	1.870	0	76.8	43.9	92.2				
	1.02	0.500	1.670	0	61.3	43.8	84.1				
2,4,5-Trichlorophenol	2.61	0.360	3.330	0	78.4	38.6	123				
2,4,6-Trichlorophenol	2.57	0.350	3.330	0	77.1	35.9	123				
2,4-Dimethylphenol	2.45	0.500	3.330	0	73.5	38.3	88				
2,4-Dinitrophenal	2.80	1.00	3.330	0	83.9	1.88	162				
2,4-Dinttrotoluene	1.40	0.350	1.670	0	84.0	48.6	102				
2-Chlomphenol	2.28	0.500	3.330	0	68.3	46.6	84				
4-Chloro-3-methylphenol	2.71	0.500	3.330	0	81.4	51.5	94.9				
4-Nitrophenol	2.83	0.350	3.330	0	85.1	63.2	104				
Acenaphthene	1.35	0.350	1.670	0	80.7	50.8	113				
Acenaphthylene	1.89	0.350	1.670	0	113.0	52.8	121				
Anthracene	1.38	0.350	1.670	0	87.8	53.3	115				
Benzo(a)anthracene	1.19	0.350	1.670	0	71.5	62.3	110				
Benzo(a)pyrene	1.42	0.350	1.670	0	85.1	58.2	109				
Benzo(b)fluoranthene	1.29	0.350	1.670	0	77.1	51.8	107				
Benzo(g,h,i)perylene	1.27	0.350	1.670	0	76.3	49.6	121				
Benzo(k)fluoranthene	1.56	0.350	1.670	0	93.6	63.1	129				
Bis(2-ethylhexyl)phthalate	1.30	0.350	1.670	O	77.6	56.3	109				
Chrysene	1.51	0.350	1.670	0	200.7	58.4	115				
Dibenzo(a,h)anthracene	1.45	0.350	1.670	0	87.0	54.9	120				
Diethył phthalate	2.72	0.500	3.330	0	81.5	51.7	198				
Dimethyl phthalate	2.59	0.350	3.330	0	6.77	58.8	104				
Di-n-butyl phthalate	1.49	0.350	1.670	0	89.5	54.3	105				
Fluoranthene	1.51	0.350	1.670	0	90.3	61.6	113				
Fluorene	1.36	0.350	1.670	0	81.5	52.2	116				
Hexachlorobenzene	2.64	0.350	3.330	0	79.3	6.53	106				
Hexachlorobutadiene	2.17	0.500	3.330	0	65.3	35.7	100				
Hexachloroethane	2.11	0.500	3.330	0	83.4	38.9	89.9				
Indeno(1,2,3-cd)pyrene	1.38	0.350	1.670	0	82.6	52.7	115				
m,p-Cresol	1.28	0.500	1.670	0	76.5	37.6	93.7				

Project: Hayden - Solutia Backfill 09-0-404

Lab Order: 09090464 Report Date: 17-Sep-09

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S

22 Beatch ID: 66465 SW3550B Analysis Dale: 914g2009 Result PQL SPK value SPK R64 Val %REC LowLinit Hight Linit RPD R61 Val 1.09 0.350 1.670 0 65.1 46.7 101 2.19 0.500 3.330 0 65.8 51.8 104 1.21 0.500 1.670 0 72.5 43.1 101 1.21 0.500 1.670 0 72.5 43.1 104 1.24 0.500 1.670 0 72.5 43.1 104 1.70 0.500 1.670 0 72.5 43.1 101 1.70 0.500 1.670 0 86.3 67.7 113 1.70 0.500 1.670 0 86.3 66.8 81.3 1.70 0.500 1.670 0 86.3 60.7 113 1.70 0.500 1.670 0 86.3 113	Sample ID: LCS-55455	SampType: LCS			Units: mg/Kg		Prep Date:	9: 9/15/2009	60	RunNo: 126873	6873	
Result PQL SPK Rafue S		Batch ID: 55455			SW3550B	•	Analysis Dat		60	SeqNo: 2384582	84582	
1.09 0.350 1.670 0 65.1 46.7 101 121 0.500 3.300 0 65.6 5.18 104 121 0.500 1.670 0 72.5 49.1 104 121 0.500 1.670 0 72.5 49.1 104 121 0.500 1.670 0 72.5 49.1 101 121 0.500 1.670 0 72.5 49.1 101 122 0.350 1.670 0 72.5 49.1 101 123 0.350 1.670 0 72.5 49.1 101 144 0.350 1.670 0 72.5 49.1 101 151 0.500 1.670 0 8.3 0 71.7 41.6 2.46 - Thiorophenol 1.51 1.670 0 8.3 8.3 8.0 113 2.46 - Thiorophenol 1.51 1.670 0 8.3 8.3 8.0 113 2.46 - Thiorophenol 1.21 1.670 0 8.3 8.3 8.0 113 2.46 - Thiorophenol 1.21 1.670 0 8.3 8.3 8.0 1.6 2.46 - Thiorophenol 1.21 1.670 0 8.3 8.3 8.0 1.6 2.46 - Thiorophenol 1.21 1.670 0 8.3 8.3 8.0 1.6 2.46 - Thiorophenol 1.21 1.670 0 8.3 8.3 8.0 8.3 8.0 2.46 - Thiorophenol 1.21 1.670 0 8.3 8.3 8.0 8.3 8.0 2.46 - Thiorophenol 1.21 1.670 0 8.3 8.3 8.0 8.3 8.0 2.46 - Thiorophenol 1.21 1.670 0 8.3 8.3 8.0 8.3 8.0 2.47 - Thiorophenol 1.21 1.670 0 8.3 8.3 8.0 8.3 8.0 8.0 2.47 - Thiorophenol 1.20 0 8.3 8.0 8.3 8.0 8.0 8.0 8.0 2.47 - Thiorophenol 1.20 0 8.3 8.0 8.0 8.0 8.0 8.0 8.0 8.0 2.47 - Thiorophenol 1.00 0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 2.47 - Thiorophenol 1.00 0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 2.47 - Thiorophenol 1.00 0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 2.47 - Thiorophenol 1.00 0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 2.47 - Thiorophenol 1.00 0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 2.47 - Thiorophenol 1.00 0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 2.47 - Thiorophenol 1.00 0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 2.47 - Thiorophenol 1.00 1.00 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 2.4	Analyte	Result	Pal	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
rozane 2.19 0.500 3.330 0 65.8 51.8 104 so-di-n-propylamine 12.1 0.500 1.670 0 72.7 49.1 94.5 incophenol 12.1 0.500 1.670 0 72.5 49.1 94.5 incophenol 2.62 2.00 3.330 0 72.6 43.1 94.5 incophenol 1.44 0.360 1.670 0 72.5 42.2 102 strene 1.42 0.500 3.330 0 73.6 42.2 103 strene 1.70 0.500 3.330 0 62.3 113 2.4 G-Tribromophenol 1.57 0.530 3.63 46.3 14.6 NItrobenzene-d5 0.521 0.530 1.670 50.9 3.61 74.3 Phenol-d5 1.27 1.670 0.6350 1.670 72.2 40.6 10.6 Nitrobenzene-d5 0.521 1.670 0.6350	Naphthalene	1.09	0.350	1.670	0	65.1	45.7	101				15
sp-clir-propylamine 121 0.500 1,870 0 72,7 49,1 94,5 ilcrophenol 123 0.500 1,670 0 72,5 42 101 ilcrophenol 1,44 0.350 1,670 0 72,5 42,2 102 drivane 1,44 0.350 1,670 0 62,2 1,13 2,45-Tribromophenol 1,51 0.500 1,670 0 62,3 11,3 2,45-Tribromophenol 1,68 1,670 0 62,4 42,4 11,6 2,45-Tribromophenol 1,68 1,670 0 62,4 42,4 11,6 2,45-Tribromophenol 1,68 1,670 0 62,4 42,4 11,6 2,45-Tribromophenol 0,68 1,670 0 63,6 52,1 11,3 A-Funkosphanol 0,68 1,670 0 63,6 52,1 11,5 Phenold-d5 1,27 4,6 55,0 84,5 14,6	Nitrobenzene	2.19	0.500	3.330	0	65.8	51.8	\$				
121 0.500 1.570 0 72.5 4.3 101 101 1.24 0.500 1.570 0 72.5 4.2 102 1.44 0.350 3.330 0 71.7 41.6 81.3 1.45 0.500 1.570 0 85.3 80.7 113 2.45 - Tibromophanol 1.51 1.50 0.500 1.570 0 85.3 80.7 113 2.45 - Tibromophanol 1.51 1.50 0.500 1.570 0 85.3 80.7 113 2.45 - Tibromophanol 1.51 1.57 1.570 0.530 0.8350 0 85.3 80.7 113 2.45 - Tibromophanol 1.21 1.570 1.570 0.8350 1.570 1.50 2.45 - Tibromophanol 1.21 1.570 1.570 1.570 1.570 1.50 2.45 - Tibromophanol 1.21 1.570 1.570 1.570 1.570 1.570 1.570 1.570 1.570 1.570 2.45 - Tibromophanol 1.21 1.570	N-Nitroso-di-n-propylamine	121	0.500	1.670	0	72.7	49.1	94.5				
throphenol 2.62 2.00 3.330 0 78.6 42.2 102 throphenol 1.44 0.350 1.670 0 68.2 52.9 113 strate 2.30 1.670 0 68.2 52.9 113 strate 1.70 0.500 1.670 0 68.3 60.7 115 strate 1.70 0.500 3.330 0 66.3 3.61 143 2.45-Titoromophenol 1.27 1.670 7.22 90.6 89.2 113 2-Fluorobphanol 1.27 1.670 7.22 90.6 89.2 115 Phanotobracene-d5 1.27 1.670 7.22 90.6 89.2 115 Phanotobracene-d5 1.27 1.670 1.670 7.22 90.6 89.2 Phanotobracene-d5 1.27 1.670 7.22 90.6 89.2 90.5 90.5 D. MB-55455 Satol 1.670 7.22 90.6	o-Cresol	1.21	0.500	1.670	0	72.5	43	101	3			
threne 1.44 0.350 1.670 0 86.2 52.9 113 2.29 0.350 3.330 0 71.7 41.6 81.3 2.45-Tribromophenol 1.51 0.500 3.300 0 85.3 90.6 82.1 115 2.45-Tribromophenol 1.51 0.500 3.300 0 85.3 90.6 82.1 115 2.45-Tribromophenol 1.51 0.500 3.300 0 85.3 90.6 82.1 115 2.45-Tribromophenol 1.51 0.500 3.300 0 85.3 90.6 82.1 115 2.45-Tribromophenol 1.21 1.670 0.836 82.6 98.5 106 2.45-Tribromophenol 1.21 1.670 0.836 82.6 98.5 106 2.45-Tribromophenol 1.27 1.670 0.836 82.6 98.5 106 2.45-Tribromophenol 1.27 1.670 0.836 82.6 98.5 115 2.5-Tribromophenol 1.27 1.670 0.836 82.6 98.5 115 2.5-Tribromophenol 1.20 0.836 82.4 42.4 99.2 115 2.5-Tribromophenol 1.20 1.20 82.4 42.4 99.2 115 2.5-Tribromophenol 1.20 0.836 82.4 42.4 99.2 115 2.5-Tribromophenol 1.20 0.836 82.4 42.4 99.2 115 2.5-Tribromophenol 1.20 1.20 82.4 42.4 99.2 115 2.5-Tribromophenol 1.20 82.4 42.4 99.2 115 2.5-Tribromophenol 1.20 82.4 42.4 99.2 115 2.5-Tribromophenol 1.20 82.6 82.4 42.4 99.2 115 2.5-Tribromophenol 1.20 82.4 42.4 99.2 115 2.5-Tribromophenol	Pentachlorophenol	2.62	2.00	3.330	0	78.6	42.2	102				
2.45-Tribromophenol 1.42 0.500 1.670 0 85.3 80.7 115 2.46-Tribromophenol 1.51 1.70 0.500 3.330 0 71.7 41.6 81.3 2.46-Tribromophenol 1.51 1.50 0.8360 1.670 0 85.3 106 2.4burophenol 1.21 1.670 1.6360 83.6 46.3 106 2.4burophenol 1.21 1.670 1.6360 83.6 46.3 106 2.4burophenol 1.21 1.670 1.6360 83.6 46.3 106 2.4burophenol 1.27 1.670 1.6360 83.6 42.4 99.2 Phenol-d5 1.27 1.670 1.6360 1	Phenanthrene	1.44	0.350	1.670	0	86.2	52.9	113				
1.42 0.500 1.670 0 85.3 60.7 115 1.70	Phenol	2.39	0.350	3.330	0	7.1.7	41.6	81.3				
1,70 0,500 3,330 0 50,9 3,61 74.3 1,51 1,670 1,670 90,6 52.1 113 1,51 1,670 90,6 52.1 113 1,21 1,670 90,6 52.1 113 1,21 1,670 1,670 83.6 89 -45 1,27 1,670 75,8 56,9 89.2 1,27 1,670 75,8 55,9 99,2 1,27 1,670 75,8 55,9 99,2 1,27 1,670 75,8 55,9 99,2 1,27 1,670 7,580 7,90 1,00 0,500 ND 0,500 ND 0,500 ND ND 0,500 ND 0,500 ND ND ND ND ND 0,500 ND ND ND ND ND ND ND 0,500 ND ND ND ND ND ND ND ND 0,500 ND ND ND ND ND ND ND	Pyrene	1.42	0.500	1.670	0	85.3	60.7	115				
noylenol 1.51 1.670 90.6 52.1 113 nnyl 0.688 0.8350 83.6 46.3 106 ol 1.21 1.670 72.2 50.6 89 d5 1.27 1.670 72.2 50.6 89 d5 1.27 1.670 75.8 55.9 96.5 314 0.919 0.6350 110.0 45.5 115 54 8 anpType: MBLK NBLK Units: mg/Kg Prep Date: 9/15/2009 55 8 arch ID: 56456 SPK Ref Val %REC LowLimit HighLimit RPD Ref Val n 0.500 SPK Ref Val %REC LowLimit HighLimit RPD Ref Val n 0.500 SPK Ref Val %REC LowLimit HighLimit RPD Ref Val n 0.500 SPK Ref Val SPK Ref Val RPD Ref Val RPD Ref Val n 0.500 SPK Ref Val RPD Ref Val RPD Ref Val RPD Ref Val ND <td>Pyridine</td> <td>1.70</td> <td>0.500</td> <td>3.330</td> <td>0</td> <td>50.9</td> <td>3.61</td> <td>74.3</td> <td></td> <td></td> <td></td> <td></td>	Pyridine	1.70	0.500	3.330	0	50.9	3.61	74.3				
1.21 1.698 0.8350 83.6 46.3 106	Surr: 2,4,6-Tribromophenol	1.51	s t	1.670		90.6	52.1	113				
ol 1.21 1.870 72.2 50.6 89 -d5 0.521 0.8350 62.4 42.4 99.2 1.27 1.570 75.8 55.9 98.5 110.0 45.5 115 SampType: MBLK Sampty	Surr: 2-Fluoroblphenyl	0.698		0.8350		83.6	46.3	106				
-d5 0.521 0.8350 62.4 42.4 99.2 1.27 1.670 75.8 55.9 98.5 114 0.919 0.8350 110.	Surr: 2-Fluorophenol	1.21		1.670		72.2	50.6	89				
114 0.919 0.8350 115.0 45.5 115 SampType: MBLK Batch ID: 55455 Batch ID: 55455 Batch ID: 55456 SW3550B Analysis Date: 9/15/2009 Analysis Date: 9	Surr: Nitrobenzene-d5	0.521		0.8350		62.4	45.4	99.2				
SampType: MBLK 0.816 0.8350 110.0 45.5 115	Surr: Phenol-d5	1.27		1.670		75.8	55.9	98.5				
SampType: MBLK Units: mg/Kg Prep Date: 9/15/2009	Surr: p-Terphenyl-d14	0.919		0.8350		110.0	45.5	115				
Result PQL SPK Ref Val %REC LowLimit HighLimit RPD Ref Val ND 0.500 ND	Sample ID: MB-55455	SampType: MBLK			Units: mg/Kg		Prep Dat		80	RunNo: 126904	6904	
Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val ND 0.500 ND 0.500 ND 0.500 ND ND 0.500 ND		Batch ID: 55455			SW3550B		Anatysis Dat		60	SeqNo: 2385063	85083	
S S S S S S S S S S S S S S S S S S S	Analyte	Result	ğ	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
<u> </u>	1,2,4-Trichiorobenzene	QN	0.500									
<u> </u>	1,2-Dichlorobenzene	2	0.500									
<u> </u>	1,3-Dichlorobenzene	Q	0.500									
<u> </u>	1,4-Dichlorobenzene	Q	0.500									
<u> </u>	2,4,5-Trichlorophenol	QN	0.350									
99999	2,4,6-Trichlorophenol	Q	0.350									
9999	2,4-Dichlorophenol	Q	0.500									
O S S	2,4-Dimethylphenol	Q	0.500									
Q C	2,4-Dinitrophenol	Q	1.00									
CN	2,4-Dinitrotoluene	Q	0.350									
2	2,6-Dinltrotoluene	Q.	0.350									

Project: Hayden - Solutia Backfill 09-0-404

Report Date: 17-Sep-09 Lab Order: 09090464

ANALYTICAL QC SUMMARY REPORT TestCode: SV_8270S_S

Sample ID: MB-55455	SampType: MBLK	- <u>3</u>		Units: mg/Kg		Prep Date: 9/15/2009	9/15/20(rep Date: 9/15/2009 RunNo: 1266	RunNo: 126904	5904	23
Client ID: ZZZZZZ	Batch ID: 55455			SW3550B		Analysis Date: 9/16/2009	9/16/20(6	SeqNo: 2385063	85063	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit Hi	HighLlmit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Chloronaphthalene	Q	0.350									
2-Chiorophenol	9	0.500									
2-Wethaxy-4-methylphenol	9	0.650									
2-Methyinaphthalene	2	0.350									
2-Nitroaniline	2	1.00									
2-Nitrophenol	Q	0.350									
3,3'-Dichlombenzidine	Q	0.350									
3-Nitroaniline	Q	1.00									
4,6-Dinitro-2-methylphenol	Q	1.00									
4-Bromophenyl phenyl ether	Q	0.350									
4-Chloro-3-methylphenal	Q	0.500									
4-Chloroaniline	9	0.500									
4-Chlorophenyl phenyl ether	Q	0.350									
4-Nitroaniline	S	0.500		9		2					
4-Nitrophenol	2	0.350									
Acenaphthene	2	0.350									
Acenaphthylene	Q	0.350									
Aniline	9	0.500									
Anthracene	QN	0.350									
Azobenzene	Q	0.350									
Benzidine	9	1.06									
Benzo(a)anthracene	2	0.350									
Benzo(a)pyrene	Q	0.350									
Benzo(b)fluoranthene	Q	0.350									
Benzo(g,h,l)perylene	Q	0.350									
Benzo(k)fluoranthene	Q	0.350									
Benzoic acid	Q	1.50									
Benzyl alcohol	9	0.500									
Bis(2-chloroethoxy)methane	9	0.350									
Bls(2-chloroethyl)ether	9	0.500				35.00					
Bis(2-chloroisopropyl)ether	QN	0.350									

Project: Hayden - Solutia Backfill 09-0-404

Report Date: 17-Sep-09 Lab Order: 09090464

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S

Sample ID: MB-55455	SampType: MBLK			Units: mg/Kg		Prep Date:	9/15/2009	600	RunNo: 126904	6904	
Client ID: ZZZZZZ	Batch ID: 55455			SW3550B		Analysis Date:	9/16/2009	600	SeqNo: 2385063	85063	
Analyte	Result	PQ	SPK value	SPK Ref Vai	%REC	LowLimit F	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bis(2-ethylhexyl)phthaiate	QN	0.350									
Butyl benzyl phthalate	Q	0.350									
Carbazole	Q	0.500									
Chrysene	Q	0.350									
Dibenzo(a,h)anthracene	QN	0.350									
Dibenzofuran	2	0.350									
Diethyl phthalate	9	0.500									
Dimethyl phthalate	2	0.350									
Di-n-butyl phthalate	2	0.350									
DI-n-octyl phthalate	Q	0.350									
Fluoranthene	Q	0.350									
Fluorene	Q	0.350									
Hexachiorobenzene	Q	0.350									
Hexachlorobutadiene	Q	0.500									
Hexachlorocyclopentadiene	9	0.350									
Hexachloroethane	g	0.500									
indeno(1,2,3-cd)pyrene	QN	0.350									
Isophorone	9	0.350									
m,p-Cresol	Q	0.500									
Naphthalene	QN	0.350									
Nitrobenzene	Q	0.500									
N-Nitrosodimethylamine	2	0.500									
N-Nitroso-di-n-propylamine	S	0.500									
N-Nitrosodiphenylamine	QN	0.500									
o-Cresot	2	0.500									
Pentachlorophenol	QN	2.00									
Phenanthrene	Q	0.350	8								
Phenol	Q	0.350									
Pyrene	2	0.500									
Pyridine	Q	0.500									
1,2-Diphemylhydrazine	QN	0.840									
52											

Project: Hayden - Solutia Backfill 09-0-404

Lab Order: 09090464 Report Date: 17-Sep-09

ANALYTICAL QC SUMMARY REPORT
TestCode: SV_8270S_S

Sample ID: MB-55455	SampType: MBLK			Units: mg/Kg		Prep Date:	.e. 9/15/2009		RunNo: 126904	904	
Client ID: ZZZZZZ	Batch ID: 55455			SW3550B		Analysis Dat	Analysis Date: 9/16/2009		SeqNo: 2385063	5063	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	%REC LowLimit HighLimit RPD Ref Vai	tef Vai	%RPD	%RPD RPDLimit Qual	Qual
Sur: 2,4,6-Tribromophenol	1.45		1.670		87.1	52.1	113				
Surr: 2-Fluorobiphenyl	0.768		0.8350		92.0	46.3	106				
Surr: 2-Fluorophenal	1.29		1.670		77.5	50.6	88				
Surr: Nitrobenzene-d5	0.648		0.8350		77.6	42.4	99.2				
Surr: Phenol-d5	1.37		1.670		82.0	55.9	98.5				
Sun: p-Terphenyi-d14	0.946		0.8350		113,3	45.5	115				

RunNo: 126904 SeqNo: 2385670

Prep Date: 9/15/2009 Analysis Date: 9/16/2009

Units: mg/Kg-dry SW3550B

SampType: MS Batch ID: 55455

Sample ID: 09090464-001AMS

Client ID: 01 (A-E)MS

Analyte	Result	Pal	SPK value	SPK Ref Vai	%REC	LowLimit	HighLimit	HighLimit RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	1.85	0.575	1.919	0	9.96	35.9	102				
1,4-Dichlorobenzene	1,57	0.575	1.919	0	82.0	29.8	95.5				
2,4,5-Trichlorophenol	3.57	0.402	3.827	0	93.4	38.6	123				
2,4,6-Trichlorophenol	3.47	0.402	3.827	0	90.8	35.9	133				
2,4-Dimethytphenol	3.09	0.575	3.827	.	80.7	38.3	88				
2,4-Dinitrophenoi	3.59	1.15	3.827	0	93.9	1.88	162				
2,4-Dinitrotoluene	1.80	0.402	1.919	0	93.7	37.5	107				
2-Chlorophenol	2.55	0.575	3.827	0	9.99	22.6	108				
4-Chloro-3-methylphenol	3.69	0.575	3.827	0	96.5	19.3	131				
4-Nitrophenol	3.65	0.402	3.827	0	95.4	27.6	123				
Acenaphthene	1.68	0.402	1.919	0	87.6	36	110				
Acenaphthylene	2.52	0.402	1.919	C	131.1	52.8	121				တ
Anthracene	1.87	0.402	1.919	0	97.4	53.3	115				
Benzo(a)anthracene	1.48	0.402	1.919	0	77.1	62.3	110				
Benzo(a)pyrene	1.87	0.402	1.919	0	97.3	58.2	109				
Benzo(b)fluoranthene	1.85	0.402	1.919	0	98.5	51.8	107				
Benzo(g,h,i)perylene	1.87	0.402	1.919	0	97.2	49.6	121				
Benzo(k)fluoranthene	1.81	0.402	1.919	0	94.5	63.1	129				
Bis(2-ethylhexyl)phthalate	1.65	0.402	1.919	0	85.7	56.3	109				
Chrysene	1.82	0.402	1.919	0	95.0	58.4	115				

Project: Hayden - Solutia Backfill 09-0-404

Report Date: 17-Sep-09 Lab Order: 09090464

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S

Sample ID: 09090464-001AMS	SampType: MS			Units: mg/Kg-dry	-dry	Prep Date:	9/15/2009	RunNo: 126904
Client ID: 01 (A-E)MS	Batch ID: 55455			SW3550B		Analysis Date:	9/16/2009	SeqNo: 2385670
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit RPD Ref Val	%RPD RPDLimit Qual
Dibenzo(a,h)anthracene	2.01	0.402	1.919	0	104.5	54.9	120	
Diethyl phthalate	3.39	0.575	3.827	0	88.7	51.7	106	
Dimethyl phthalate	3.28	0.402	3.827	0	82.8	58.8	104	
Di-n-butyl phthatate	2.00	0.402	1.919	0	104.3	64.3	105	
Fluoranthene	1.95	0.402	1.919	0	101.4	61.6	113	
Fluorene	1,92	0.402	1.919	0	100.3	52.2	116	
Hexachlorobenzene	3.44	0.402	3.827	0	86.8	55.9	106	
Hexachiorobutadiene	3.20	0.575	3.827	0	83.5	35.7	100	
Hexachloroethane	3.18	0.575	3.827	0	83.2	38.9	89.9	
Indeno(1,2,3-cd)pyrene	1.93	0.402	1.919	0	100.5	52.7	115	
m,p-Cresol	1.66	0.575	1.919	0	86.6	37.6	93.7	
Naphthalene	1.49	0.402	1.919	0	77.8	45.7	101	
Nitrobenzene	3.23	0.575	3.827	0	84.3	51.8	104	
N-Nitroso-di-n-propytamine	1.60	0.575	1.919	0	83.3	45.5	99.1	
o-Cresol	1.50	0.575	1.919	0	78.0	43	101	
Pentachlorophenol	4.08	2.30	3.827	0	106.7	18.5	113	
Phenanthrene	2.00	0.402	1.919	0	104.0	52.9	113	
Phenoi	2.91	0.402	3.827	0	76.0	20.8	110	
Pyrene	2.01	0.575	1.919	0	104.9	60.7	115	
Pyridine	2.66	0.575	3.827	0	69.5	3.61	74.3	
Surr: 2,4,6-Tribromophenol	2.02		1.919		105.2	32.7	130	
Surr: 2-Fluorobiphenyl	0.929		0.9597		8.96	<u>8</u>	116	
Surr: 2-Fluorophenol	1.54		1.919		80.4	30.5	86	
Surr: Nitrobenzene-d5	0.761		0.9597		79.3	34.1	101	
Surr: p-Terphenyl-d14	1.23		0.9597		128.5	41.7	124	S
Sample ID: 09090464-001AMSD	SampType: MSD			Units: mg/Kg-dry	dry	Prep Date:	Prep Date: 9/15/2009	RunNo: 126904
Cifent ID: 01 (A-E)MSD	Batch ID: 55455			SW3550B		Analysis Date:	9/16/2009	SeqNo: 2385671
Analyte	Result	Po	SPK value	SPK Ref Val	%REC	LowLimit	LowLimit HighLimit RPD Ref Vai	%RPD RPDLimit Qual

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4

3.00

1,854

102

35.9

89.8

0

2.003

0.600

1.80

1,2,4-Trichlorobenzene

Project: Hayden - Solutia Backfill 09-0-404

Lab Order: 09090464

Report Date: 17-Sep-09

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S

Client ID: 01 (A-E)MSD	Batch ID: 55455					Annhais Data			Oct. Date	1ER74	
				SW3550B		Analysis Date:	9/16/2009	60	Sedivo: 2385671		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichiorobenzene	1.45	0.600	2.003	o	72.4	29.8	95.5	1.574	8.19	6	
2,4,5-Trichlorophenol	3.25	0.420	3.994	0	81.3	38.6	123	3.574	9.57	\$	
2,4,6-Trichlorophenol	3.07	0.420	3.994	0	76.9	35.9	123	3.474	12.2	\$	
2,4-Dimethylphenol	2.85	0.600	3.994	0	71.3	38.3	88	3.089	8.09	4	
2,4-Dinitrophenol	3.11	1.20	3.994	0	77.8	1.88	162	3.594	14.5	4	
2,4-Dinitrotoluene	1.63	0.420	2.003	0	81.4	37.5	107	1.799	9.85	₹	
2-Chlorophenol	2.20	0.600	3.994	0	55.2	22.6	108	2.548	14.5	40	
4-Chloro-3-methylphenol	3.37	0.600	3.994	0	84.3	19.3	131	3.695	9.24	40	
4-Nitrophenol	3.26	0.420	3.994	0	81.5	27.6	123	3.653	11.5	4	
Acenaphthene	1.63	0.420	2.003	0	81.4	ജ	110	1.682	3.10	4	
Acenaphthylene	2.45	0.420	2.003	0	122.5	52.8	121	2.517	2.55	4	Ø
Anthracene	1.61	0.420	2.003	0	80.5	53.3	115	1.870	14.8	4	
Benzo(a)anthracene	1.47	0.420	2.003	0	73.6	62.3	110	1.480	0.379	40	
Benzo(a)pyrene	1.72	0.420	2.003	0	85.9	58.2	109	1.867	8.09	40	
Benzo(b)fluoranthene	1.62	0.420	2.003	0	81.1	51.8	107	1.852	13.1	4	
Benzo(g,h,i)perylene	1.75	0.420	2.003	0	87.6	49.6	121	1.865	6.12	4	
Benzo(k)fluoranthene	1.90	0.420	2.003	0	94.8	63.1	129	1.814	4.51	4	
Bis(2-ethylhexyl)phthalate	1.63	0.420	2.003	0	81.4	56.3	109	1.645	0.904	₽	
Chrysene	1.89	0.420	2.003	0	94.5	58.4	115	1.824	3.75	4	
Dibenzo(a,h)anthracene	1.85	0.420	2.003	0	92.3	54.9	120	2.006	8.17	4	
Diethyj phthalate	3.25	0.600	3.994	0	81.3	51.7	106	3.393	4.42	4	
Dimethyi phthalate	3.37	0.420	3.994	0	84.3	58.8	104	3.282	2.53	4	
Di-n-butyl phthalate	1.77	0.420	2.003	0	88.4	54.3	105	2.002	12.2	4	
Fluoranthene	1.81	0.420	2.003	0	80.3	61.6	113	1.945	7,34	4	
Fluorene	1.74	0.420	2.003	0	86.8	52.2	118	1.925	10.2	4	
Hexachlorobenzene	3.17	0.420	3.994	0	79.2	55.9	106	3.438	8.27	4	
Hexachlorobutadiene	2.71	0.600	3.994	0	87.8	35.7	100	3.196	16.5	4	
Hexachloroethane	2.79	0.600	3.994	0	868	38.9	89.9	3.183	13.3	\$	
Indeno(1,2,3-cd)pyrene	1.76	0.420	2.003	0	88.1	52.7	115	1.929	8.88	40	
m,p-Cresol	1.44	0.600	2.003	0	71.8	37.6	93.7	1.663	14.5	₽	
Naphthalene	1.52	0.420	2.003	0	7.5.7	45.7	5	1.494	1.46	4	

Project: Hayden - Solutia Backfill 09-0-404

Report Date: 17-Sep-09 Lab Order: 09090464

ANALYTICAL QC SUMMARY REPORT

TestCode: SV_8270S_S

Cilent ID: 01 (A-E)MSD B	Sample ID: 09090464-001AMSD Samp lype: MSD			Units: mg/Kg-dry	g-dry	Prep Date:	te: 9/15/2009	69	RunNo: 126904	3904	
Another	Batch ID: 55455			SW3550B		Analysis Date:	te: 9/16/2009	80	SeqNo: 2385671	35671	
on furning	Result	Po	SPK value	SPK Ref Val	%REC		HighLimit	LowLimit HighLimit RPD Ref Vai	%RPD	RPDLimit	Qual
Nitrobenzene	3.01	0.600	3.994	0	75.2	51.8	104	3.227	7.13	8	
N-Nitroso-di-n-propylamine	1.52	0.600	2.003	0	76.1	45.5	99.1	1.599	4.84	4	
o-Cresol	1.28	0.600	2.003	0	63.8	43	5	1.497	15.8	40	
Pentachlorophenol	3.11	2.40	3.994	0	77.8	18.5	113	4.084	27.1	4	
Phenanthrene	1.71	0.420	2.003	0	85.3	52.9	113	1.997	15.6	40	
Phenol	2.63	0.420	3,994	0	629	20.8	110	2.907	10.0	4	
Pyrene	1.70	0.600	2.003	0	84.9	60.7	115	2.013	16.9	40	
Pyridine	2.39	0.600	3.994	0	59.9	3.61	74.3	2.660	10.7	4	
Surr: 2,4,6-Tribromophenol	1.79		2.003		89.3	32.7	.8		0	4	
Surr: 2-Fluorobiphenyl	0.755		1,002		75.4	8.1	116		0	40	
Surr: 2-Fluorophenol	1.33		2.003		66.5	30.5	66		0	4	
Surr: Nitrobenzene-d5	0.552		1.002		55.1	34.1	101		0	4	
Surr: p-Terphenyl-d14	0.984		1.002		98.2	41.7	124		0	40	

Project: Hayden - Solutia Backfill 09-0-404

Lab Order: 09090464 Report Date: 17-Sep-09

ANALYTICAL QC SUMMARY REPORT
TestCode: SV_TPH_DRO_S

Sample ID: MIK-55455	Samplybe: MBLK			Units: mg/Kg		Prep Date:	e: 9/15/2009	600	RunNo: 126879	879	
Client ID: ZZZZZZ	Batch ID: 55455			SW3550B		Analysis Date: 9/15/2009	e: 9/15/2(600	SeqNo: 2384641	14641	
Analyte	Result	절	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPOLimit	Qua
Acenaphthene	QV	0.0340									
Acenaphthylene	S	0.0340									
Anthracene	QN	0.0340									
Benzo(a)anthracene	Q	0.0340									
Benzo(a)pyrene	Ø	0.0340									
Benzo(b)fluoranthene	Q	0.0340	3								
Benzo(g,h,i)perylene	Ø	0.0340									
Benzo(k)fluoranthene	Ð	0.0340									
Chrysene	S	0.0340									
Dibenzo(a,h)anthracene	S	0.0340									
Fluoranthene	Q.	0.0340									
Fluorene	Q	0.0340									
Indeno(1,2,3-cd)pyrene	QV	0.0340									
Naphthalene	Q	0.0340									
Phenanthrene	QN	0.0340									
Pyrene	QN	0.0340									
TPH-DRO (C10 - C21)	9	12.0									
Surr: 2-Fluorobiphenyl	0.555		0.8350		66.5	46.3	106				
Surr: Nitrobenzene-d5	0.580		0.8350		69.5	42.4	99.2				
Surr: p-Terphenyl-d14	0.575		0.8350		68.9	45.5	115				
Sample ID: LCS-55455	SampType: LCS			Units: mg/Kg		Prep Date:	e: 9/15/2009	801	RunNo: 126879	879	
Client ID: ZZZZZZ	Batch ID: 55455			SW3550B		Analysis Date: 9/15/2009	9: 9/15/2 (80	SeqNo: 2384642	4642	
Analyte	Result	Pol	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	1.00	0.0340	1.670	0	59.9	50.8	113				
Acenaphthylene	1.16	0.0340	1.670	0	69.4	52.8	121				
Anthracene	1.02	0.0340	1.670	0	61.0	53.3	115				
Benzo(a)anthracene	0.992	0.0340	1.670	0	59.4	62.3	110				တ
Benzo(a)pyrene	1.18	0.0340	1.670	0	69.4	58.2	109				
Benzo(b)fluoranthene	1.08	0.0340	1.670	_	65.0	51.8	107				

Project: Hayden - Solutia Backfill 09-0-404

Lab Order: 09090464 Report Date: 17-Sep-09

ANALYTICAL QC SUMMARY REPORT
TestCode: SV_TPH_DRO_S

Sample ID: LCB-55455	SampType: LCS			Units: mg/Kg		Prep Date:	9/15/2009	Run	RunNo: 126879	
Client ID: ZZZZZZ	Batch ID; 55465			SW3550B		Analysis Date: 9/15/2009	9/15/2009	Seq	SeqNo: 2384642	
Analyte	Result	POL	SPK value	SPK Ref Val	%REC	LowLimit H	HighLimit RPD Ref Val		%RPD RPDLimit	iit Qual
Benzo(g,h,i)perylene	1.25	0.0340	1.670	0	75.0	49.6	121			
Benzo(k)fluoranthene	1.21	0.0340	1.670	0	72.7	63.1	129			
Chrysene	1.24	0.0340	1.670	0	74.0	58.4	115			
Dibenzo(a,h)anthracene	124	0.0340	1.670	0	74.4	54.9	120			
Fluoranthene	1.07	0.0340	1.670	0	64.4	61.6	113			
Fluorene	1.23	0.0340	1.670	0	73.8	52.2	116			
Indeno(1,2,3-cd)pyrene	1.26	0.0340	1.670	0	75.3	52.7	115			
Naphthalene	1.06	0.0340	1.670	0	63.6	45.7	101			
Phenanthrene	1.14	0.0340	1.670	0	68.2	52.9	113			
Pyrene	1.04	0.0340	1.670	0	62.4	60.7	115			
Surr: 2-Fluorobiphenyl	0.524		0.8350		62.8	46.3	106			
Surr: Nitrobenzene-d5	0.664		0.8350		79.5	42.4	88.2			
Surr: p-Terphenyl-d14	0.545		0.8350		65.3	45,5	115			
Sample ID: LCSDRO-55455	SampType: LCS			Units: mg/Kg		Prep Date:	9/15/2009	Æ	RunNo: 126879	
Client ID: ZZZZZZ	Batch ID: 55455			SW3550B		Analysis Date: 9/15/2009	9/15/2009	Seq	SeqNo: 2384643	
Analyte	Result	PQ	SPK value	SPK Ref Val	%REC	LowLimit HighLimit	ighLimlt RPD Ref Val		%RPD RPDLimit	it Quel
TPH-DRO (C10 - C21)	15.3	12.0	16.70	0	91.5	17.2	146			
Surr: 2-Fluorobiphenyl	0.565		0.8350		67.7	46.3	108			
Surr: Nitrobenzene-d5	0.564		0.8350		67.6	42.4	89.2			
Surr: p-Terphenyl-d14	0.624		0.8350		74.8	45.5	115			
Sample ID: 09090429-004AMS	SampType: MS			Units: mg/Kg-dry	ţ	Prep Date:	9/15/2009	Run	RunNo: 126879	
Client ID: ZZZZZZ	Batch ID: 55455			SW3550B		Analysis Date: 9/15/2009	9/15/2009	Sed	SeqNo: 2384651	
Analyte	Result	Pal	SPK value	SPK Ref Val	%REC	LowLimit H	HighLimit RPD Ref Val		%RPD RPDLimit	it Qual
TPH-DRO (C10 - C21)	20.9	16.5	22.90	0	91.3	34.5	160			
Surr: 2-Fluorobiphenyl	0.590		1.145		51.5	12	133			
Surr: Nitrobenzene-d5	0.690		1.145		60.3	30.9	115			
							•			

Project: Hayden - Solutia Backfill 09-0-404

Report Date: 17-Sep-09 Lab Order: 09090464

TestCode: SV_TPH_DRO_S

ANALYTICAL QC SUMMARY REPORT

Sample ID: 09090429-004AMS Client ID: ZZZZZZ	SampType: MS Batch ID: 55456			Units: mg/Kg-dry SW3550B	dry	Prep Date: Analysis Date:	Prep Date: 9/15/2009 llysis Date: 9/15/2009		RunNo: 126879 SeqNo: 2384651	379 1651	
Analyte	Result	Pal	SPK value	SPK value SPK Ref Val	%REC	%REC LowLimit HighLimit RPD Ref Val	lighLimit RP	'D Ref Val	%RPD	%RPD RPDLimit Qual	Qual
Surr: p-Terphenyl-d14	0.747		1.145		65.2	31.5	137				
Sample ID: 09090429-004AMSD SampType: MSD Client ID: ZZZZZZ Batch ID: 5645	SampType: MSD Batch ID: 55455			Units: mg/Kg-dry SW3550B	dry	Prep Date: 9/15/2009 Analysis Date: 9/15/2009	Prep Date: 9/15/2009 llysis Date: 9/15/2009		RunNo: 126879 SeqNo: 2384652	379 1652	
Analyte	Result	절	SPK value	SPK value SPK Ref Val	%REC	%REC LowLimit HighLimit RPD Ref Val	HighLimit RP	D Ref Val	%RPD	%RPD RPDLimit Qual	Quai
TPH-DRO (C10 - C21)	21.0	16.8	23.08	0	91.0	34.5	160	20.91	0.477	8	
Surr: 2-Fluorobiphenyl	0.589		1.154		51.0	12	133		0	0	
Surr: Nitrobenzene-d5	0.678		1.154		58.8	30.9	115		0	0	
Surr: p-Terphenyl-d14	0.757		1.154		65.6	31.5	137		0	0	

Project: Hayden - Solutia Backfill 09-0-404

Lab Order: 09090464

Report Date: 17-Sep-09

ANALYTICAL QC SUMMARY REPORT TestCode: V_TPH_8260S_S

÷.	SampType: LCS			Units: µg/Kg		Prep Date:	e: 9/15/2009	60	RunNo: 126890	
Client ID: 22222	Batch ID: 55486			SW5035		Analysis Date:	e: 9/15/2009	60	SeqNo: 2384787	
Analyte	Result	Por	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit	nit Qual
1,1,1-Trichloroethane	52.4	5.00	50.00	0	104.9	77.5	121			
1,1-Dichloroethene	46.4	9.00	50.00	0	92.9	52	133			
1,2-Dibromoethane	51.5	6.00	50.00	0	103.0	85.2	119			
1,2-Dichlorobenzene	51.7	5.00	50.00	0	103.4	84.2	122			
1,2-Dichloroethane	48.8	5.00	50.00	0	97.5	71.1	125			
1,3-Dichlorobenzene	53.4	2.00	50.00	0	106.7	83.3	126			
1,4-Dichlorobenzene	53.1	9.00	50.00	0	106.1	81.9	128			
2-Butanone	76.9	50.0	100.0	0	76.9	39.1	105			
Benzene	45.5	9.1	50.00	0	91.1	77.9	123			
Bromodichloromethane	54.6	5.00	20.00	0	109.3	87.9	119			
Carbon tetrachloride	53.3	5.00	20.00	0	106.7	77.5	128			
Chlorobenzene	49.8	5.00	50.00	0	99.7	87.8	120			
Chloroform	49.8	5.00	50.00	0	99.7	81.5	119			
Dibromochloromethane	52.6	5.00	50.00	0	105.1	88.6	119			
Disopropyl ether	50.4	2.00	90.00	0	100.9	70.5	126			
Ethylbenzene	48.4	5.00	50.00	0	2.96	80.9	119			
Ethyl-tert-butyl ether	46.8	2.00	50.00	0	91.5	9'69	126			
m,p-Xylenes	48.0	2.00	50.00	0	96.0	77.6	120			
Methyl tert-butyl ether	48.9	2.00	50.00	0	97.9	8.69	121			
Methylene chloride	49.0	5.00	50.00	0	87.8	71.5	124			
Naphthalene	54.0	10.0	50.00	0	108.0	7.97	123			
o-Xylene	49.6	2.00	90.00	0	99.2	82.4	124			
tert-Amyl methyl ether	48.2	2.00	50.00	0	96.5	78.3	121			
tert-Butyl alcohol	542	20.0	500.0	0	108.3	64.9	131			
Tetrachloroethene	49.4	2.00	50.00	0	98.7	74.2	113			
Toluene	4.74	5.00	50.00	0	94.7	80.2	115			
Trichloroethene	47.9	5.00	50.00	0	92.8	83.3	118			
Xylenes, Total	87.8	2.00	100.0	0	97.6	77.8	124			
Surr: 1,2-Dichloroethane-d4	51.2		50.00		102.3	6	128			
Surr: 4-Bromofluorobenzene	52.4		50.00		104.7	78.2	117			
Curr Dibromodiocomothogo	20		20.04		4004	0	7			

Project: Hayden - Solutia Backfill 09-0-404

Lab Order: 09090464

Report Date: 17-Sep-09

ANALYTICAL QC SUMMARY REPORT TestCode: V_TPH_8260S_S

Client ID: ZZZZZ	Satch ID: 55486			SW5036		Analysis Date: 9/15/2009	. 9/15/2009 : 9/15/2009	60	SeqNo: 2384787	14787	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
Surr: Toluene-d8	49.8	Ш	50.00		9.66	80.1	122				
Sample ID: LCSD-A090915-1	SampType: LCSD			Units: µg/Kg		Prep Date:	9/15/2009	60	RunNo: 126890	1890	
Client ID: ZZZZZZ	Batch ID: 55486			SW5035		Analysis Date:	9/15/2009	60	SeqNo: 2384788	4788	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPOLimit	Qual
1,1,1-Trichloroethane	55.7	9.00	50.00	0	11.4	77.5	121	52.45	6.03	20	
1,1-Dichloroethene	48.4	2.00	90.00	0	6.96	52	133	46.45	4.21	8	
1,2-Dibromoethane	51.4	2.00	50.00	0	102.9	85.2	119	51.52	0.136	20	
1,2-Dichlorobenzene	53.0	2.00	50.00	0	106.0	84.2	123	51.69	2.50	20	
1,2-Dichloroethane	51.0	2.00	50.00	0	101.9	71.1	125	48.77	4.37	8	
1,3-Dichlorobenzene	54.1	2.00	20.00	0	108.3	83.3	125	53.36	1,43	20	
1,4-Dichlorobenzene	54.5	2.00	20.00	0	109.1	81.9	128	53.06	2.75	8	
2-Butanone	2.79	20.0	100.0	0	7.79	38.1	105	76.92	12.8	8	
Benzene	48.1	9.1	20.00	0	96.2	77.9	123	45.54	5.51	8	
Bromodichloromethane	8.73	2.00	50.00	0	115.5	87.9	119	54.64	5.55	20	
Carbon tetrachloride	28.7	2.00	20.00	0	113.5	77.5	128	53.33	6.20	8	
Chlorobenzene	62.2	2.00	90.00	0	104.4	87.8	120	49.83	4.66	8	
Chloroform	52.9	2.00	50.00	0	105.8	81.5	119	49.83	5.94	8	
Dibromochloromethane	54.2	2.00	50.00	0	108.5	88.6	119	52.55	3.17	20	
Diisopropyl ether	53.5	2.00	50.00	0	107.1	70.5	126	50.45	5.94	20	
Ethylbenzene	51.1	2.00	20.00	0	102.1	80.9	119	48.36	5.43	20	
Ethyl-tert-butyl ether	47.3	2.00	20.00	0	94.6	9.69	126	45.76	3.27	8	
m,p-Xylenes	49.0	2.00	20.00	0	98.0	9.77	120	47.98	2.06	8	
Methyl tert-butyl ether	49.0	2.00	20.00	0	98.0	8.69	121	48.93	0.123	ଷ	
Methylene chloride	51.3	2.00	20.00	0	102.5	71.5	124	48.98	4.61	8	
Naphthalene	20.7	10.0	50.00	0	101.3	7.97	123	54.02	6.42	20	
o-Xyfene	51.8	2.00	50.00	0	103.6	82.4	124	49.59	4.38	20	
tert-Amyl methyl ether	48.1	2.00	20.00	0	98.3	78.3	121	48.23	1.87	20	
tert-Butyl alcohol	486	20.0	500.0	0	97.3	6,9	131	541.5	10.7	20	
Tetrachloroethene	808	2.00	50.00	c	401	677	440	10.01			

Project: Hayden - Solutia Backfill 09-0-404

Lab Order: 09090464 Report Date: 17-Sep-09

ANALYTICAL QC SUMMARY REPORT
TestCode: V_TPH_8260S_S

Client ID: ZZZZZ Analyte	Samp syles. Cost			Units: µg/Kg		Prep Date	Prep Date: 9/15/2009	6	RunNo: 126890	890	
Analyte	Batch ID: 55486			SW5035		Analysis Date:	e: 9/15/2009	6	SeqNo: 2384788	4788	
	Result	Po	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	HighLimit RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	49.7	5.00	50.00	0	99.4	80.2	115	47.35	4.80	20	
Trichloroethene	51.1	2.00	50.00	0	102.2	83.3	118	47.92	6.46	20	
Xyienes, Totai	101	5.00	100.0	0	100.8	77.6	124	97.57	3.25	8	
Surr. 1,2-Dichloroethane-d4	20.0		50.00		9	61	128		0	0	
Surr. 4-Bromofluorobenzene	52.0		50.00		104.1	78.2	117		0	0	
Surr: Dibromofluoromethane	51.6		50.00		103.3	9.99	130		0	0	
Surr: Toluene-d8	9.05		20.00		101.2	80.1	122		0	0	
Sample ID: MBLK-A090915-1	SampType: MBLK			Units: µg/Kg		Prep Date:	9: 9/15/2009	60	RunNo: 126890	890	
Client ID: ZZZZZZ	Batch ID: 55486			SW5035		Analysis Date: 9/15/2009	9: 9/15/20(6	SeqNo: 2384792	4792	
Analyte	Result	Pol	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Quai
1,1,1,2-Tetrachloroethane	QN	5.00				=					
1,1,1-Trichloroethane	Q	5.00									
1,1,2,2-Tetrachloroethane	Q	5.00									
1,1,2-Trichloro-1,2,2-trifluoroethane	QN eur	5.00									
1,1,2-Trichloroethane	Q	2.00									
1,1-Dichloro-2-propanone	2	50.0									
1,1-Dichloroethane	Q	5.00									
1,1-Dichloroethene	Q	9.00									
1,1-Dichloropropene	2	9.00									
1,2,3-Trichlorobenzene	2	2.00									
1,2,3-Trichloropropane	9	10.0									
1,2,3-Trimethylbenzene	Q	5.00									
1,2,4-Trichlorobenzene	Ð	5.00									
1,2,4-Trimethylbenzene	Q	5.00									
1,2-Dibromo-3-chloropropane	Q	5.00									
1,2-Dibromoethane	Q	2.00									
1,2-Dichlorobenzene	Q	5.00									
1,2-Dichloroethane	Q	5.00									
1,2-Dichloropropane	Q	5.00									

Project: Hayden - Solutia Backfill 09-0-404

Report Date: 17-Sep-09 Lab Order: 09090464

ANALYTICAL QC SUMMARY REPORT

TestCode: V_TPH_8260S_S

Sample ID: MRI K.A090915.1 SampTyne: MRI K	SampType: MRRI K			linin unite		Date:		9		-	
	Man Salfidina			Substance of the substa		ביים עם ר	e. a/ 15/2008	B	MINO: 12000	0890	
Citent ID: ZZZZZ	Batch ID: 55486			SW5035	•	Analysis Date:	e: 9/15/2009	609	SeqNo: 2384792	84792	
Analyte	Result	POL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	QN	5.00									
1,3-Dichlorobenzene	ON	2.00									
1,3-Dichloropropane	Q	5.00									
1,4-Dichlorobenzene	QN										
1-Chlorobutane	₽ Q										
2,2-Dichloropropane	QN										
2-Bufanone	QN										r
2-Chlorotoluene	QN										
2-Hexanone	QN										
2-Nitropropane	QN										
4-Chlorotoluene	Q										
4-Methyl-2-pentanone	QN										
Acetone	QN	90'09									
Acetonitrile	QN										
Acrolein	<u>d</u> N										
Acrylonitrile	Ø	10.0						1			
Allyl chloride	Q										
Benzene	Q										
Bromobenzene	Q										
Bromochloromethane	2										
Bromodichloromethane	Q										
Bromoform	Q										
Bromomethane	Q	10.0									
Carbon disulfide	Q	5.00									
Carbon tetrachloride	QN										
Chlorobenzane	QN										
Chloroethane	QN	10.0									
Chloroform	QV										
Chloromethane	Q	10.0									
cis-1,2-Dichloroethene	2	5.00									
cis-1,3-Dichloropropene	S										
				i							

Project: Hayden - Solutia Backfill 09-0-404

Report Date: 17-Sep-09 Lab Order: 09090464

TestCode: V_TPH_8260S_S

ANALYTICAL QC SUMMARY REPORT

Sample ID: MBLK-A090915-1	SampType: MBLK			Units: µg/Kg		Prep Date:	Prep Date: 9/15/2009	RunNo: 126890	
Client ID: ZZZZZZ	Batch ID: 55486			SW5035		Analysis Date: 9/15/2009	9/15/2009	SeqNo: 2384792	
Analyte	Result	Pal	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit RPD Ref Val	%RPD RPDLimit	it Qual
Cyclohexanone	Q	5							
Dibromochloromethane	2	5.00							
Dibromomethane	Q	5.00							
Dichlorodifluoromethane	Q	10.0							
Diisopropyl ether	Q	5.00							
Ethyl acetate	2	20.0							
Ethyl ether	Q	5.00							
Ethyl methacrylate	Q	2.00							
Ethylbenzene	Q	2.00							
Ethyl-tert-butyl ether	Q	2.00							
Heptane	2	20.0							
Hexachlorobutadiene	Q	2.00							
Hexachloroethane	2	5.00		٠					
lodomethane	Q	10.0							
Isopropylbenzene	Q	9.00							
m,p-Xylenes	Q	2.00							
Methacrylonitrile	Q	20.0							
Methyl Methacrylate	2	2.00							
Methyl tert-butyl ether	Q	2.00							
Methylacryiate	Q	10.0							
Methylene chloride	Q	5.00							
Naphthalene	9	10.0							
n-Butylbenzene	2	2.00							
n-Hexane	2	20'0							
Nitrobenzene	Q	100							
n-Propylbenzene	9	2.00							
o-Xylene	Q	5.00							
Pentachloroethane	9	5.00							
p-tsopropyltoluene	2	2.00							
Propionitrile	9	20.0							
sec-Butylbenzene	Ð	5.00							

Project: Hayden - Solutia Backfill 09-0-404

Report Date: 17-Sep-09 Lab Order: 09090464

ANALYTICAL QC SUMMARY REPORT

TestCode: V_TPH_8260S_S

Client ID: ZZZZZZ Analyte Styrene	A Property of the second			Units: µg/Kg		Prep Date:	te: 9/15/2009	600	RunNo: 126890	3890	
Analyte	Batch ID: 55486			SW5035	∢	Analysis Date: 9/15/2009	te: 9/15/2	600:	SeqNo: 2384792	34792	•
Styrene	Result	Pal	SPK value	SPK Ref Vai	%REC	LowLimit	HighLimi	%REC LowLimit HighLimit RPD Ref Val	%RPD	RPDLimit	Qual
	QN	5.00									
tert-Amyi methyl ether	Q	5.00		2							
tert-Butyi alcohol	QN	20.0									
tert-Butylbenzene	Q	5.00									
Tetrachloroethene	QN	2.00									
Tetrahydrofuran	9	50.0									
Toluene	2	5.00									
TPH - GRO (C6 - C10)	9	200									
trans-1,2-Dichloroethene	Q	5.00									
trans-1,3-Dichloropropene	9	4.00									
trans-1,4-Dichloro-2-butene	2	10.0									
Trichloroethene	9	5.00									
Trichlorofluoromethane	S	5.00									
Vinyi acetate	Q	50.0									
Vinyi chloride	2	2.00									
Xylenes, Total	2	2.00									
Surr: 1,2-Dichloroethane-d4	49.4		20.00		98.7	61	12.				
Surr: 4-Bromofluorobenzene	51.0		20.00		102.1	78.2	117				
Surr: Dibromofluoromethane	50.4		20.00		100.9	9.99	130				
Surr: Toluene-d8	50.1		20.00		100.2	80.1	122				

TEKLAB, INC.

Custody seal(s) intact on shipping container/cooler. EAH 9/14/09

5445 HORSESHOE LAKE ROAD COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY TEL: 618-344-1004 FAX: 618-344-1005 RECEIVING CHECK LIST Client: Environmental Consultants, LLC Project: Hayden - Solutia Backfill 09-0-404 Lab Order: 09090464 Report Date: 17-Sep-09 Carrier: David Lawrence Received By: DB Elizabeth a. Hurley Shelly A Hunesoy Completed by: Reviewed by: On: On: 14-Sep-09 14-Sep-09 Elizabeth A. Hurley Shelly A. Hennessy Pages to follow: Chain of custody Extra pages included Shipping container/cooler in good condition? Yes 🗹 No 🔲 Not Present Temp °C 6.4 Type of thermal preservation? None ice 🗹 Blue Ice Dry Ice Yes 🔽 Chain of custody present? No 🗌 Yes 🗹 Chain of custody signed when relinquished and received? No Yes 🗹 Chain of custody agrees with sample labels? Yes 🗹 Samples in proper container/bottle? Yes 🗹 Sample containers intact? Yes 🗹 Sufficient sample volume for indicated test? All samples received within holding time? Yes 🗹 No 🔲 Reported field parameters measured: Field ... Lab 🔲 NA 🔽 Container/Temp Blank temperature in compliance? Yes 🗹 No 🔲 When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected. Water - VOA vials have zero headspace? No 📖 No VOA viels V Water - TOX containers have zero headspace? Yes 🔲 No 🗌 No TOX containers Yes 🗹 No 🗌 Water - pH acceptable upon receipt? Any No responses must be detailed below or on the COC.

CHAIN OF CUSTODY

pg. of Work Order # MOMMINE

5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618) 344-1004 ~ Fax: (618) 344-1005 TEKLAB, INC.

E-Mail: Jaffe Contact: Let City / State / Zi Address: Client:

the El Notes S. L. C. FORTABUSE CHI. Light / S. Hill order SE THET Light / S. Hill order SE THET	NDICATE ANALYSIS REQUESTED							Date / Ime	CICI LOILIN
Samples on Filter if filtering in Notes Service Coll. Presenced in 1113b 1979bd FORTABLUSE COLL. Lift House Contrastin through to Fig. 1. Track / Collific or day Fig. 1. L. L. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	TRIX	Drinking Waf Soil Sludge Sp. Waste VOC 17H NOC 540	· · · · · · · · · · · · · · · · · · ·		**************************************			Neceived by	Cont.
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		Letions and Type of Containers week Huch Huch Huch Huch Huch Huch Huch Huch	(0.09m	16:03 pm	16:15 m			9 14.00 1 Can	
Client: ENVICEN Mental Consultants LLC Address: Free Next Down Hought Peoperand Pank City / State / Zip: Collins ville Tolone: Cers. 243-3550 E-Mail: Jeffer Winannal Court Hants CLC Fax: (eff. 343-3577 - Are these samples known to be involved in litigation? If yes, a surcharge will apply. D Yes - Are these samples known to be hazardous? D Yes \$200.	Imits in comment section. If Yes G-No Sample Collector's Name Project Name / Number Sample Collector's Name Hyder - Solvet: a 13 Act 2.11		MININE DI 01- A, B, C, D, E 9-14-09	03 - 4,8 c D	11 OU-460DE		Dailbouriehed D.	A Delining The Party of the Par	

The individual signing this agreement on behalf of client acknowledges that he/she has read and understands the terms and conditions of this agreement, on the reverse side, and that he/she has the authority to sign on behalf of client.

WHITE & YELLOW - LAB PINK - SAMPLER'S COPY

ATTACHMENT C

PHOTOGRAPHS



Photo # 1 Looking northeast at North Tank Farm. Samples B-39 and B-40 were collected inside concrete containment area.



Photo #2 Former PCB Warehouse excavation.



Photo #3 Backfill of Former PCB Warehouse excavation.



Photo # 4 Former PCB Warehouse area following paving activities.



Photo # 5 S0607 excavation (borings B-26/B-34)



Photo # 6 Backfill of S0607 excavation (borings B-26/B-34)



Photo # 7 S0607 excavation (boring B-35)



Photo #8 Backfill of S0607 excavation (boring B-35)



Photo # 9 S0607 excavation (boring B-49)



Photo # 10 Backfill of S0607 excavation (boring B-49)



Photo #11 S0607 excavation (boring B-51)



Photo # 12 Backfill of S0607 (boring B-51)



Photo # 13 S0607 excavation (boring B-53).



Photo # 14 Backfill of S0607 (boring B-53).



Photo # 15 S0607 excavation (boring B-65)



Photo # 16 Backfill of S0607 (boring B-65)



Photo #17 S0608/CT-1 excavation (boring CT-1-21).



Photo # 18 Backfill of S0608/CT-1 (boring CT-1-21).



Photo # 19 S0608/CT-1 excavation (boring S0608-B-21).



Photo # 20 S0608/CT-1 excavation (borings B-19/B-33).



Photo # 21 Backfill of S0608/CT-1 (borings S0608-B-21 and B-19/B-33).



Photo # 22 S0608/CT-1 excavation (borings B-33/B-37).



Photo # 23 Backfill of S0608/CT-1 (borings B-33/B-37).



Photo #24 S0608/CT-1 excavation (boring B-36).



Photo #25 Backfill of S0608/CT-1 (boring B-36).



Photo #26 S0608/CT-1 excavation (boring B-45).



Photo #27 Backfill of S0608/CT-1 (boring B-45).

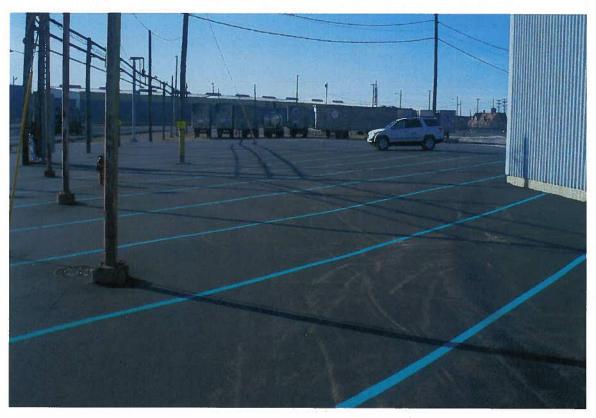


Photo # 28 S0608/CT-1 area following paving activities.



Photo # 29 S0609 excavation (borings B-61/B-67/B-78).



Photo # 30 Backfill of S0609 (borings B-61/B-67/B-78)



Photo #31 S0609 excavation (boring B-115).



Photo #32 Backfill of S0609 (boring B-115).



Photo #33 S0609 excavation (borings B-32/B-40).



Photo # 34 Backfill of S0609 (borings B-32/B-40)



Photo #35 S0609 excavation (borings B-18/B-28/B-36/B-44).

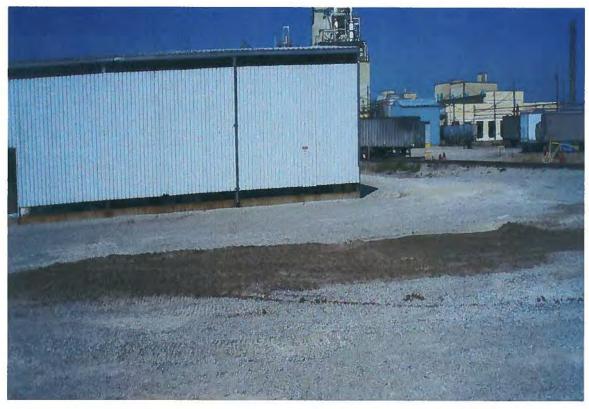


Photo #36 Backfill of S0609 (borings B-18/B-28/B-36/B-44)

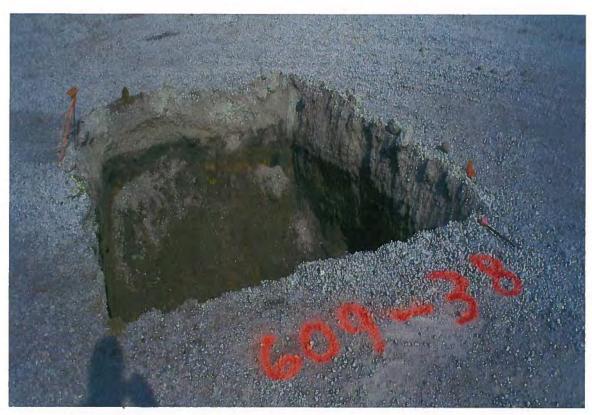


Photo #37 S0609 excavation (boring B-38).



Photo # 38 Backfill of S0609 (boring B-38).



Photo #39 S0609 excavation (boring B-58).



Photo # 40 Backfill of S0609 (boring B-58).

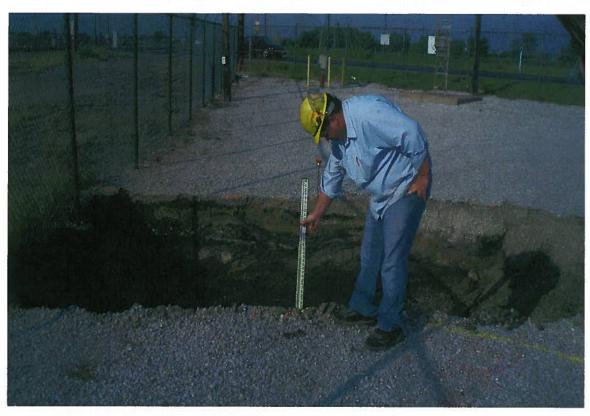


Photo #41 S0609 excavation (boring B-86).



Photo #42 Backfill of S0609 (boring B-86).



Photo #43 S0609 excavation (boring B-609).



Photo # 44 Backfill of S0609 (boring B-609).



Photo # 45 Looking northeast from southwest corner of Plant at S0609 paving area.



Photo # 46 S0715 excavation (boring B-47).



Photo #47 Backfill of S0715 (boring B-47).



Photo # 48 S0715 excavation (borings B-9/B-20/B-25/B-66).



Photo # 49 Backfill of S0715 (borings B-9/B-20/B-25/B-66).



Photo # 50 Backfill of S0715 (borings B-21/B-28/B-36/B-67).



Photo #51 S0715 excavation (10 ft deep excavation).



Photo # 52 Backfill of S0715 excavation (borings B-53/B-24/B-62).



Photo #53 S0715 area following paving activities.



Photo # 54 Spent Carbon Tank area following paving activities.



Photo # 55 Example of signs installed at each PCB area.

ATTACHMENT D

SCALED MAPS AND LEGAL DESCRIPTIONS



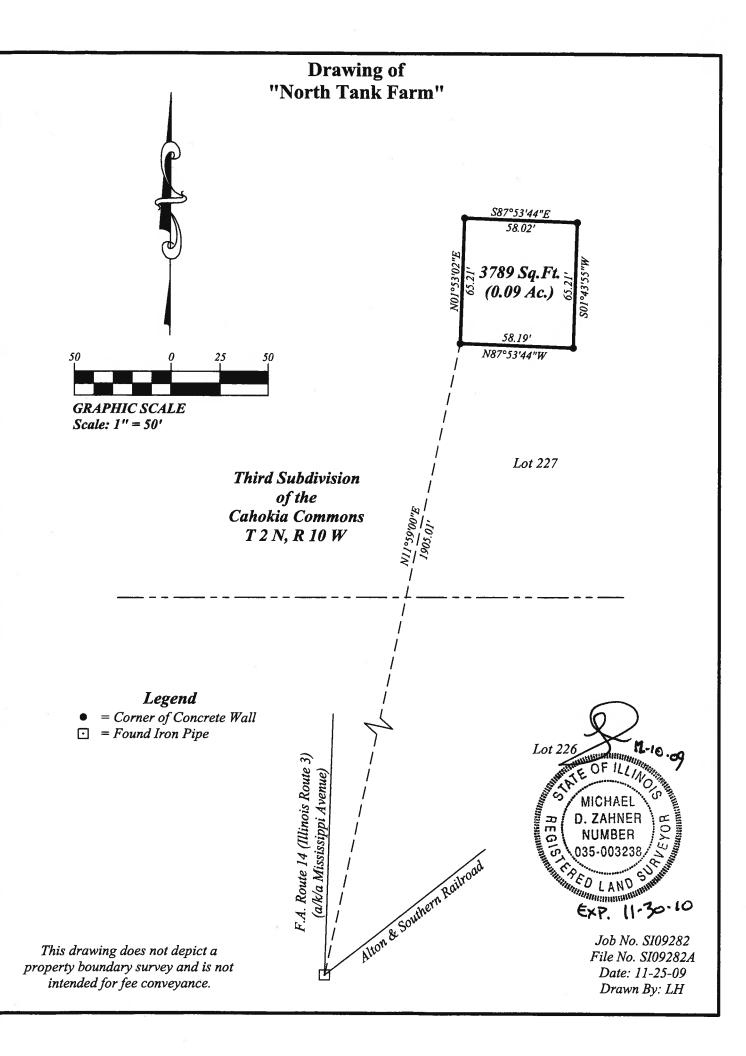
26 North Jackson Street Perryville, Missouri 63775

(573) 547-1771 Fax (573)547-1452 1-800-773-1771 zahner@zahnerinc.com

"North Tank Farm" 3789 Sq.Ft. (0.09 Ac.)

A tract of land being part of Lot No. 227 of the "Third Subdivision of the Cahokia Commons", Township 2 North, Range 10 West of the Third Principal Meridian, St. Clair County, Illinois, and being more particularly described as follows:

Commencing at an iron pipe at the intersection of the Northwest right-of-way line of the Alton & Southern Railroad with the East line of F.A. Route 14 (Illinois Route 3) (a/k/a Mississippi Avenue); Thence North 11°59'00" East a distance of 1905.01 feet to the Southwest corner of a concrete wall, said wall being the point of beginning of the tract herein described; Thence along and with said concrete wall as follows: North 01°53'02" East a distance of 65.21 feet to the Northwest corner thereof; South 87°53'44" East a distance of 58.02 feet to the Northeast corner thereof; South 01°43'55" West a distance of 65.21 feet to the Southeast corner thereof; North 87°53'44" West a distance of 58.19 feet to the point of beginning containing 3789 square feet (0.09 acre).





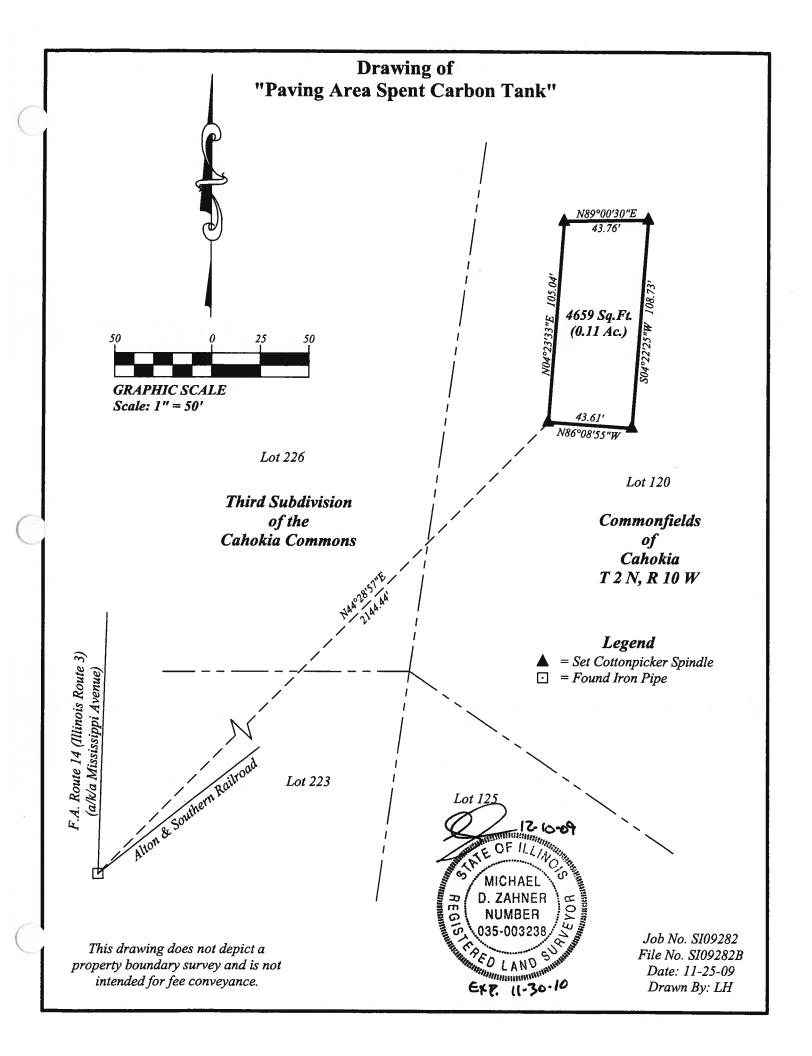
26 North Jackson Street Perryville, Missouri 63775

(573) 547-1771 Fax (573)547-1452 1-800-773-1771 zahner@zahnerinc.com

"Paving Area Spent Carbon Tank" 4659 Sq.Ft. (0.11 Ac.)

A tract of land being part of Lot No. 120 of the "Commonfields of Cahokia", Township 2 North, Range 10 West of the Third Principal Meridian, St. Clair County, Illinois, and being more particularly described as follows:

Commencing at an iron pipe at the intersection of the Northwest right-of-way line of the Alton & Southern Railroad with the East line of F.A. Route 14 (Illinois Route 3) (a/k/a Mississippi Avenue); Thence North 44°28'57" East a distance of 2144.44 feet to a cottonpicker spindle, said cottonpicker spindle being the point of beginning of the tract herein described; Thence North 04°23'33" East a distance of 105.04 feet to a cottonpicker spindle; Thence North 89°00'30" East a distance of 43.76 feet to a cottonpicker spindle; Thence South 04°22'25" West a distance of 108.73 feet to a cottonpicker spindle; Thence North 86°08'55" West a distance of 43.61 feet to the point of beginning containing 4659 square feet (0.11 acre).





26 North Jackson Street Perryville, Missouri 63775

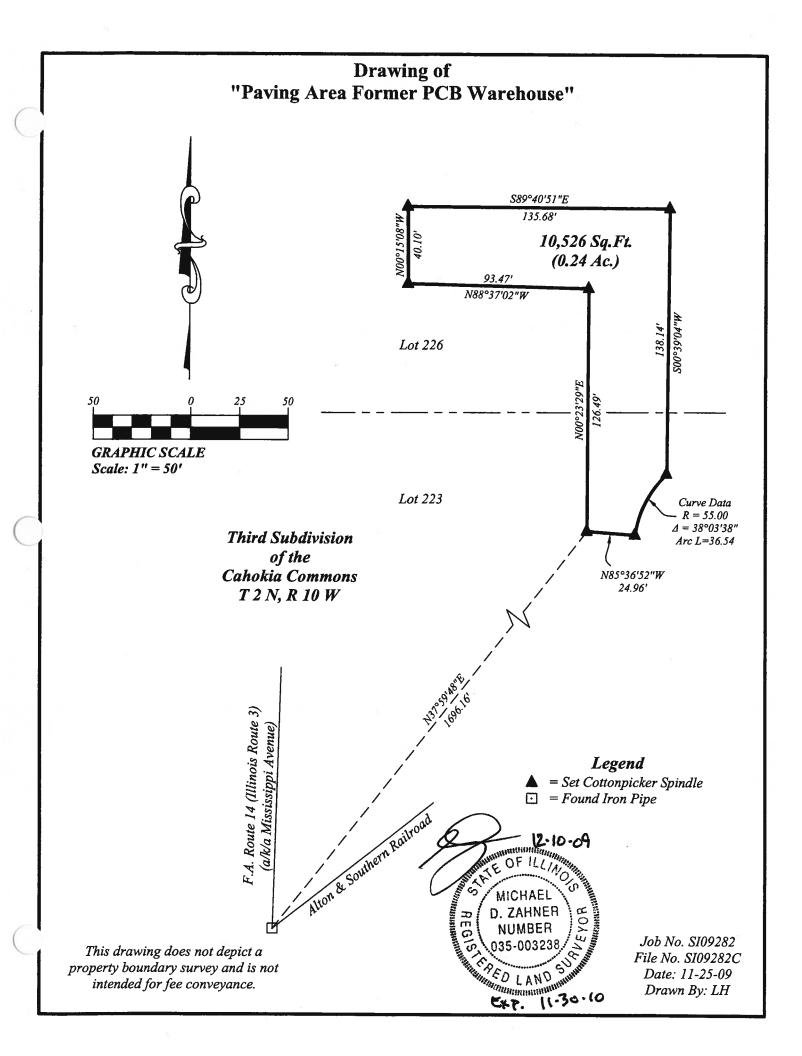
(573) 547-1771 Fax (573)547-1452

1-800-773-1771 zahner@zahnerinc.com

"Paving Area Former PCB Warehouse" 10,526 Sq.Ft. (0.24 Ac.)

A tract of land being part of Lot Nos. 223 and 226 of the "Third Subdivision of the Cahokia Commons", Township 2 North, Range 10 West of the Third Principal Meridian, St. Clair County, Illinois, and being more particularly described as follows:

Commencing at an iron pipe at the intersection of the Northwest right-of-way line of the Alton & Southern Railroad with the East line of F.A. Route 14 (Illinois Route 3) (a/k/a Mississippi Avenue); Thence North 37°59'48" East a distance of 1696.16 feet to a cottonpicker spindle, said cottonpicker spindle being the point of beginning of the tract herein described; Thence North 00°23'29" East a distance of 126.49 feet to a cottonpicker spindle; Thence North 88°37'02" West a distance of 93.47 feet to a cottonpicker spindle; Thence North 00°15'08" West a distance of 40.10 feet to a cottonpicker spindle; Thence South 89°40'51" East a distance of 135.68 feet to a cottonpicker spindle; Thence South 00°39'04" West a distance of 138.14 feet to a cottonpicker spindle; Thence Southwesterly along the arc of a curve to the left having a radius of 55.00 feet and a central angle of 38°03'38" a distance of 36.54 feet (chord bearing and distance = South 27°19'29" West, 35.87 feet) to a cottonpicker spindle; Thence North 85°36'52" West a distance of 24.96 feet to the point of beginning containing 10,526 square feet (0.24 acre).





26 North Jackson Street Perryville, Missouri 63775

(573) 547-1771 Fax (573)547-1452 1-800-773-1771 zahner@zahnerinc.com

"Paving Area S0608 & CT-1"

Area A 34,507 Sq.Ft. (0.79 Ac.)

A tract of land being part of Lot Nos. 219 and 222 of the "Third Subdivision of the Cahokia Commons", Township 2 North, Range 10 West of the Third Principal Meridian, St. Clair County, Illinois, and being more particularly described as follows:

Commencing at an iron pipe at the intersection of the Northwest right-of-way line of the Alton & Southern Railroad with the East line of F.A. Route 14 (Illinois Route 3) (a/k/a Mississippi Avenue); Thence North 31°51'27" East a distance of 737.61 feet to a cottonpicker spindle, said cottonpicker spindle being the point of beginning of the tract herein described; Thence North 03°47'09" West a distance of 92.19 feet to a PK nail; Thence North 04°45'39" West a distance of 128.40 feet to a cottonpicker spindle; Thence North 81°18'30" East a distance of 14.56 feet to a point of curvature; Thence Northeasterly along the arc of a curve to the left having a radius of 27.46 feet and a central angle of 49°38'10" a distance of 23.79 feet (chord bearing and distance = North 56°29'25" East, 23.05 feet) to a point of tangent; Thence North 31°40'20" East a distance of 9.35 feet to a point of curvature; Thence Northeasterly along the arc of a curve to the right having a radius of 22.00 feet and a central angle of 42°48'02" a distance of 16.43 feet (chord bearing and distance = North 53°04'21" East, 16.05 feet) to a PK nail; Thence North 89°56'59" East a distance of 69.20 feet to a cottonpicker spindle; Thence Southeasterly along the arc of a curve to the left having a radius of 768.90 feet and a central angle of 08°16'11" a distance of 110.98 feet (chord bearing and distance = South 15°00'47" East, 110.88 feet) to a point of reverse curvature; Thence Southeasterly along the arc of a curve to the right having a radius of 468.16 feet and a central angle of 14°18'24" a distance of 116.90 feet (chord bearing and distance = South 11°59'40" East, 116.60 feet) to a cottonpicker spindle; Thence South 73°23'57" West a distance of 34.84 feet to a cottonpicker spindle; Thence South 60°40'21" West a distance of 40.71 feet to a cottonpicker spindle; Thence South 76°45'41" West a distance of 37.42 feet to a cottonpicker spindle; Thence North 88°35'12" West a distance of 30.20 feet to a cottonpicker spindle; Thence North 73°27'00" West a distance of 22.19 feet to the point of beginning containing 34,507 square feet (0.79 acre).

Area B 996 Sq.Ft. (0.02 Ac.)

A tract of land being part of Lot No. 222 of the "Third Subdivision of the Cahokia Commons", Township 2 North, Range 10 West of the Third Principal Meridian, St. Clair County, Illinois, and being more particularly described as follows:

Commencing at an iron pipe at the intersection of the Northwest right-of-way line of the Alton & Southern Railroad with the East line of F.A. Route 14 (Illinois Route 3) (a/k/a Mississippi Avenue); Thence North 34°09'09" East a distance of 937.62 feet to a cottonpicker spindle, said cottonpicker spindle being the point of beginning of the tract herein described; Thence Northwesterly along the arc of a curve to the right having a radius of 685.94 feet and a central angle of 09°17'03" a distance of 111.15 feet (chord bearing and distance = North 14°41'37" West, 111.03 feet) to a cottonpicker spindle; Thence North 80°47'48" East a distance of 13.67 feet to a cottonpicker spindle; Thence South 08°07'15" East a distance of 56.49 feet to a PK nail; Thence South 08°58'02" East a distance of 54.00 feet to a cottonpicker spindle; Thence South 79°20'45" West a distance of 1.75 feet to the point of beginning containing 996 square feet (0.02 acre).

Area C 2653 Sq.Ft. (0.06 Ac.)

A tract of land being part of Lot Nos. 219 and 222 of the "Third Subdivision of the Cahokia Commons", Township 2 North, Range 10 West of the Third Principal Meridian, St. Clair County, Illinois, and being more particularly described as follows:

Commencing at an iron pipe at the intersection of the Northwest right-of-way line of the Alton & Southern Railroad with the East line of F.A. Route 14 (Illinois Route 3) (a/k/a Mississippi Avenue); Thence North 38°16'02" East a distance of 883.89 feet to a cottonpicker spindle, said cottonpicker spindle being the point of beginning of the tract herein described; Thence North 08°48'57" West a distance of 8.91 feet to a PK nail; Thence North 80°31'42" East a distance of 2.32 feet to a PK nail; Thence North 05°43'46" West a distance of 3.40 feet to a PK nail; Thence South 85°13'02" West a distance of 2.48 feet to a PK nail; Thence North 09°16'37" West a distance of 125.67 feet to a PK nail; Thence North 07°56'27" West a distance of 55.72 feet to a cottonpicker spindle; Thence South 37°35'49" East a distance of 11.14 feet to a cottonpicker spindle; Thence South 24°49'08" East a distance of 43.78 feet to a cottonpicker spindle; Thence South 20°30'11" East a distance of 29.29 feet to a cottonpicker spindle; Thence South 11°17'04" West a distance of 115.46 feet to a cottonpicker spindle; Thence South 87°05'53" West a distance of 3.00 feet to the point of beginning containing 2653 square feet (0.06 acre).

Area D 3116 Sq.Ft. (0.07 Ac.)

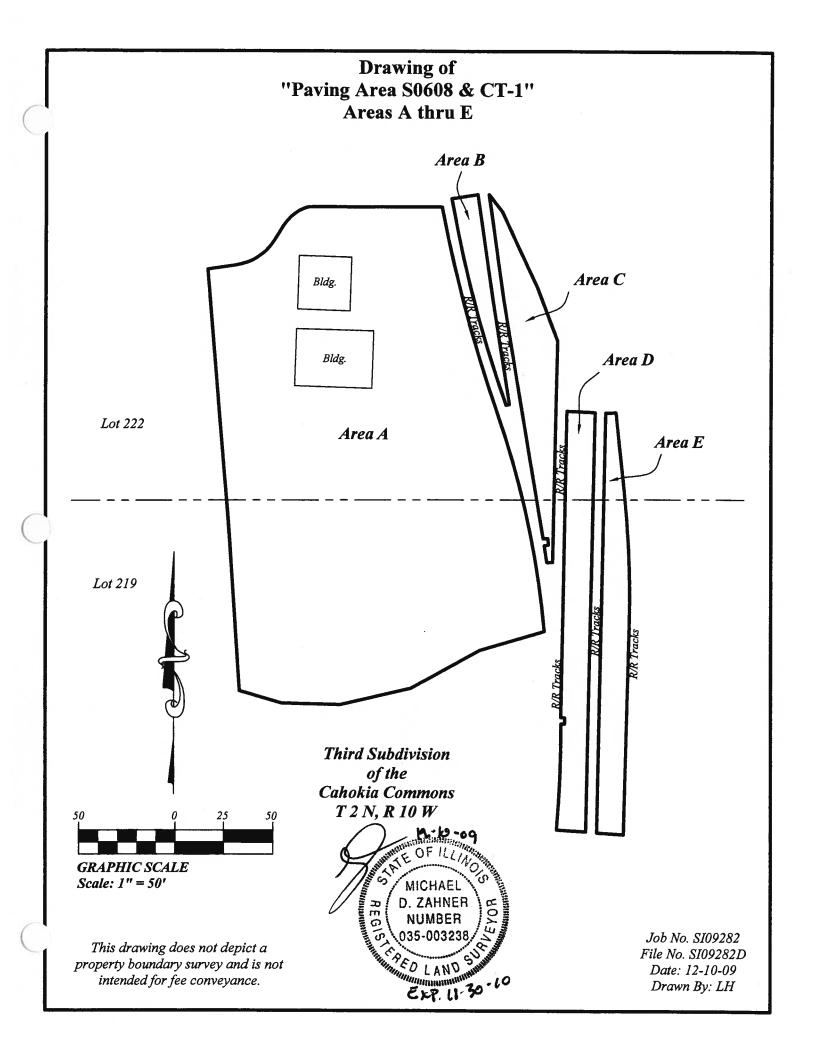
A tract of land being part of Lot Nos. 219 and 222 of the "Third Subdivision of the Cahokia Commons", Township 2 North, Range 10 West of the Third Principal Meridian, St. Clair County, Illinois, and being more particularly described as follows:

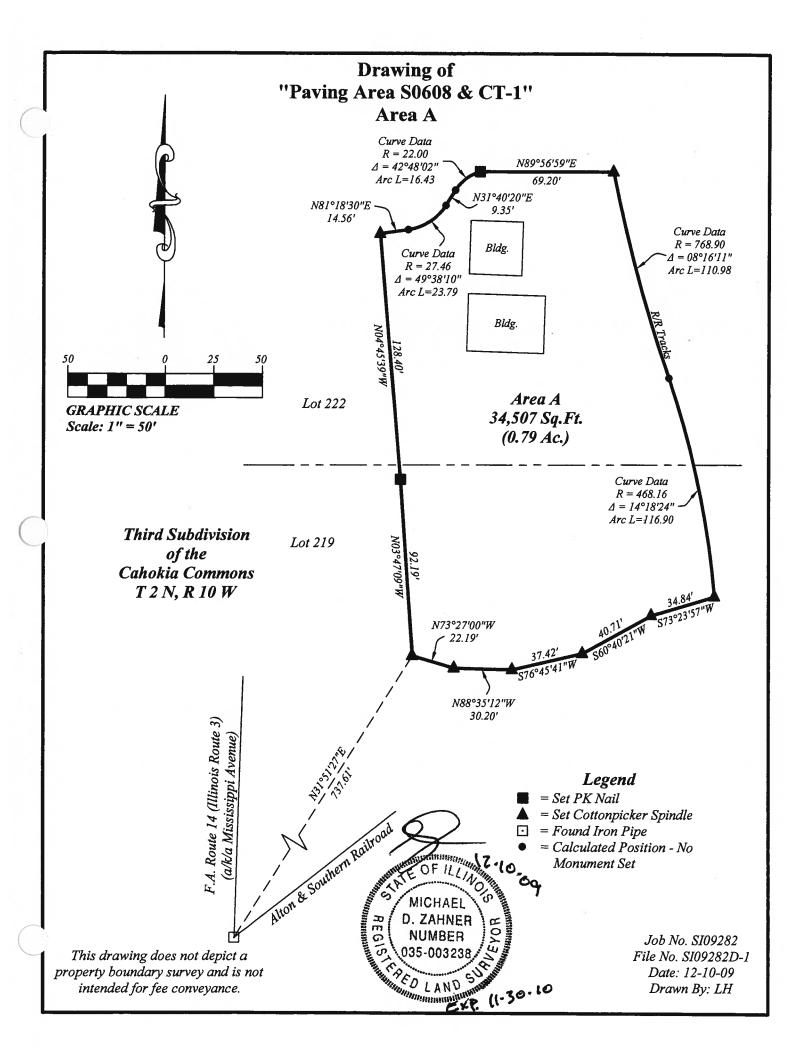
Commencing at an iron pipe at the intersection of the Northwest right-of-way line of the Alton & Southern Railroad with the East line of F.A. Route 14 (Illinois Route 3) (a/k/a Mississippi Avenue); Thence North 44°52'32" East a distance of 782.66 feet to a cottonpicker spindle, said cottonpicker spindle being the point of beginning of the tract herein described; Thence Northerly along the arc of a curve to the left having a radius of 617.29 feet and a central angle of 05°07'14" a distance of 55.17 feet (chord bearing and distance = North 02°31'30" East, 55.15 feet) to a PK nail; Thence South 89°04'41" East a distance of 1.81 feet to a PK nail; Thence North 01°42'32" East a distance of 3.24 feet to a PK nail; Thence North 85°12'10" West a distance of 2.01 feet to a PK nail; Thence North 01°10'53" East a distance of 159.83 feet to a cottonpicker spindle; Thence South 87°16'48" East a distance of 14.53 feet to a cottonpicker spindle; Thence South 01°18'49" West a distance of 218.54 feet to a cottonpicker spindle; Thence North 86°34'06" West a distance of 15.16 feet to the point of beginning containing 3116 square feet (0.07 acre).

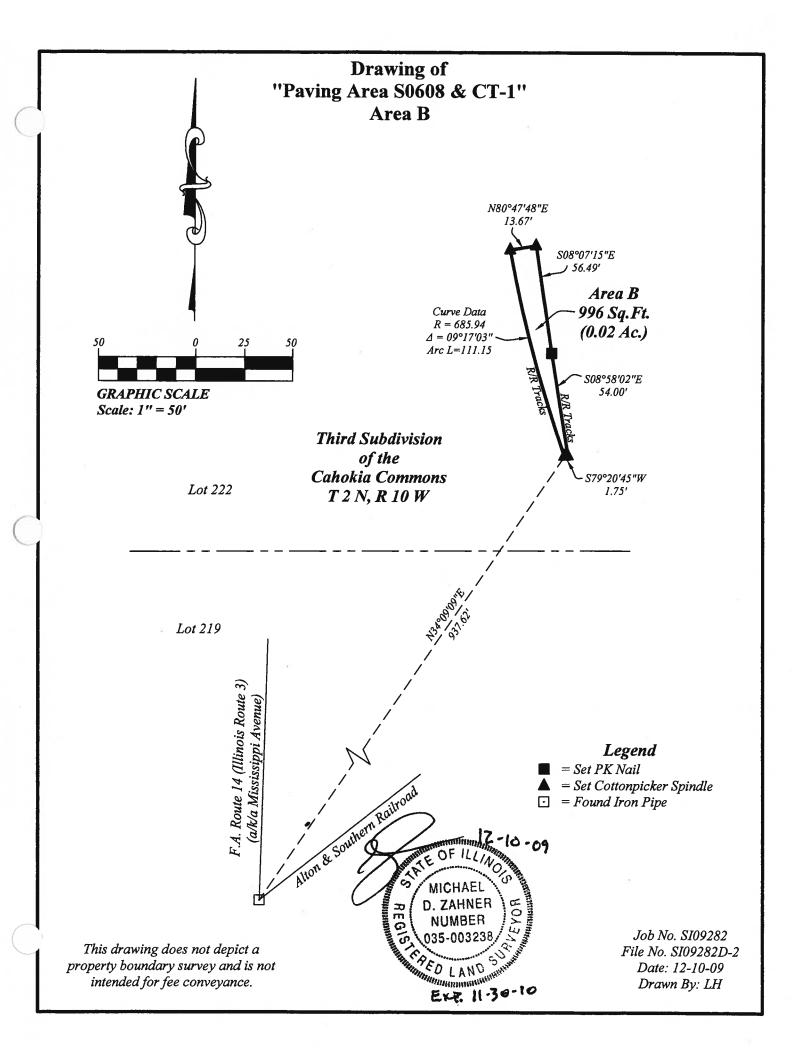
Area E 2813 Sq.Ft. (0.06 Ac.)

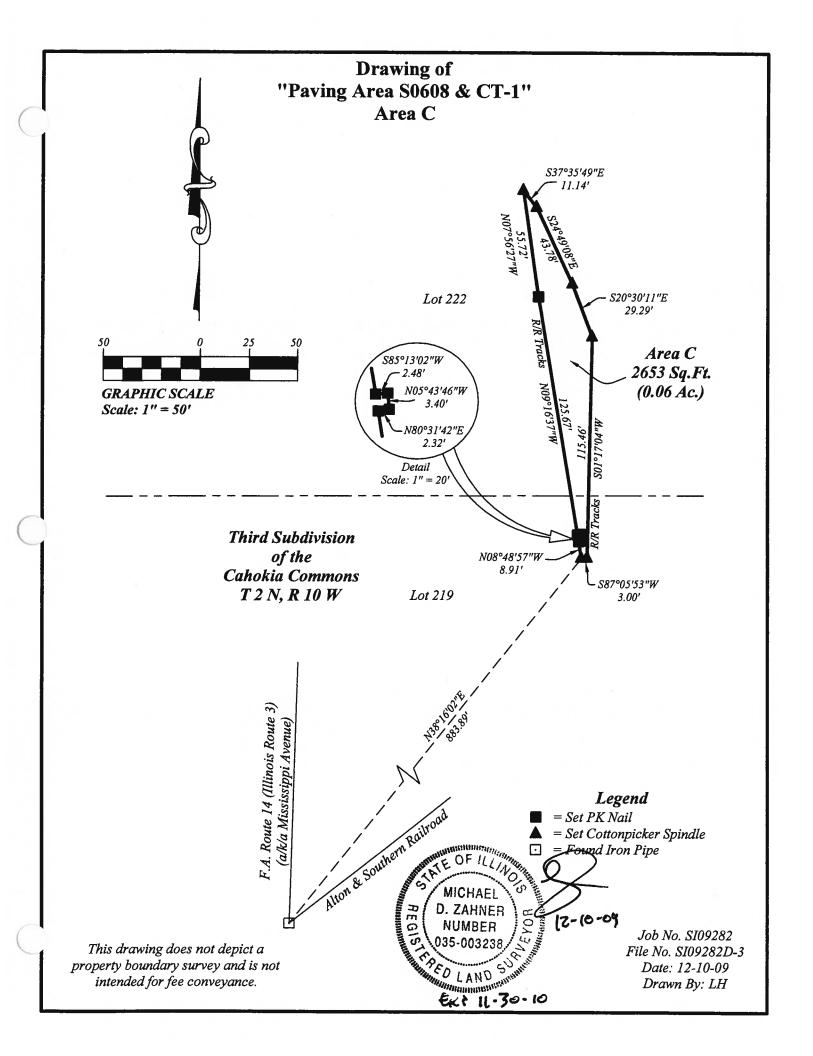
A tract of land being part of Lot Nos. 219 and 222 of the "Third Subdivision of the Cahokia Commons", Township 2 North, Range 10 West of the Third Principal Meridian, St. Clair County, Illinois, and being more particularly described as follows:

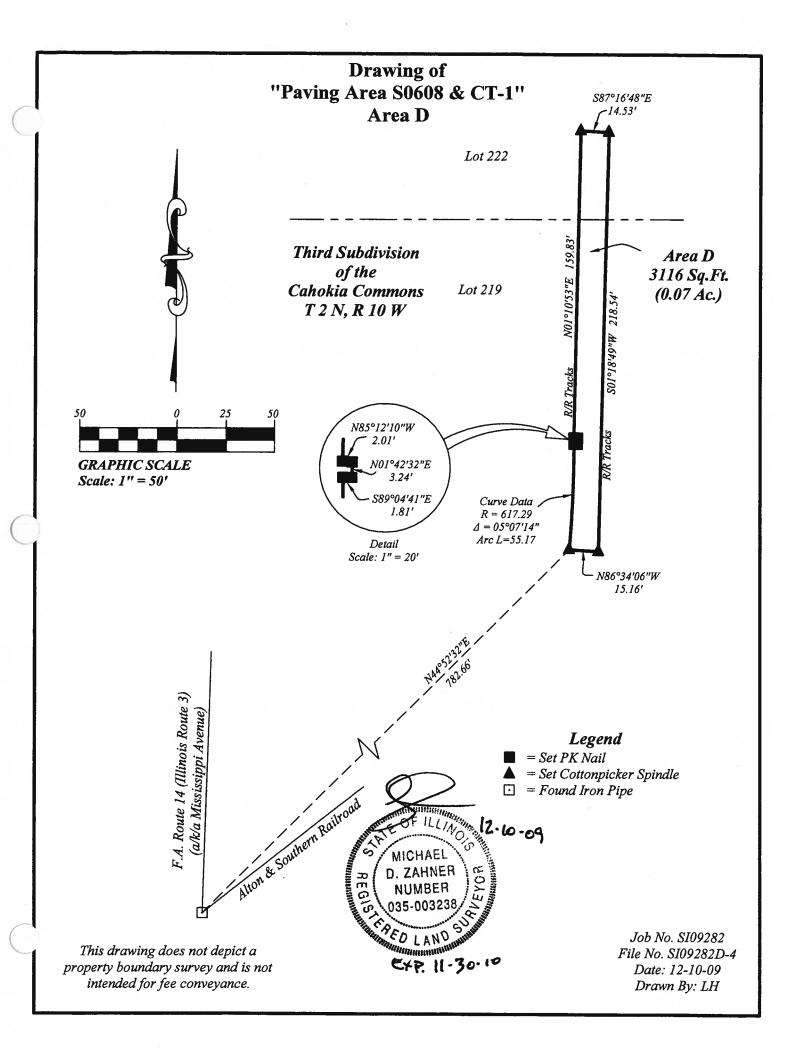
Commencing at an iron pipe at the intersection of the Northwest right-of-way line of the Alton & Southern Railroad with the East line of F.A. Route 14 (Illinois Route 3) (a/k/a Mississippi Avenue); Thence North 46°00'38" East a distance of 796.43 feet to a cottonpicker spindle, said cottonpicker spindle being the point of beginning of the tract herein described; Thence North 01°15'59" East a distance of 218.86 feet to a cottonpicker spindle; Thence North 88°02'28" East a distance of 5.39 feet to a cottonpicker spindle; Thence South 05°55'43" East a distance of 41.33 feet to a point of curvature; Thence Southerly along the arc of a curve to the right having a radius of 530.70 feet and a central angle of 07°39'41" a distance of 70.96 feet (chord bearing and distance = South 02°05'53" East, 70.91 feet) to a PK nail at a point of tangent; Thence South 01°43'58" West a distance of 107.97 feet to a point; Thence North 86°17'25" West a distance of 13.85 feet to the point of beginning containing 2813 square feet (0.06 acre).

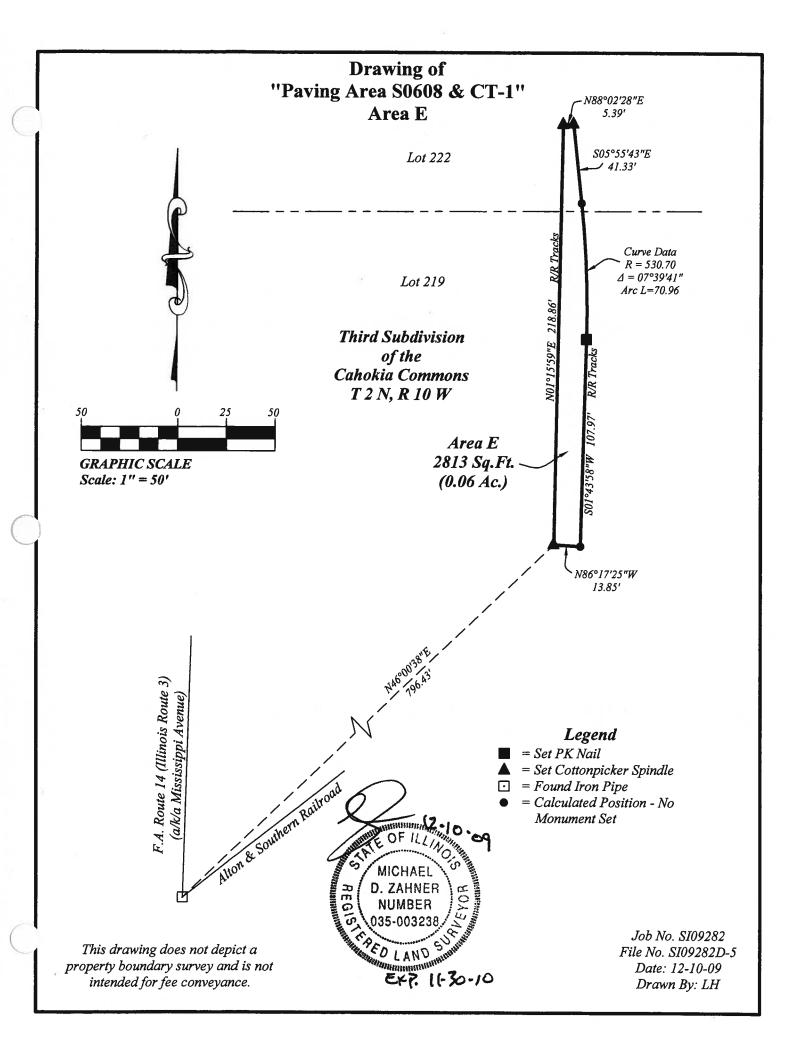














26 North Jackson Street Perryville, Missouri 63775

(573) 547-1771 Fax (573)547-1452 1-800-773-1771 zahner@zahnerinc.com

"Paving Area S0609"

Area A 38,893 Sq.Ft. (0.89 Ac.)

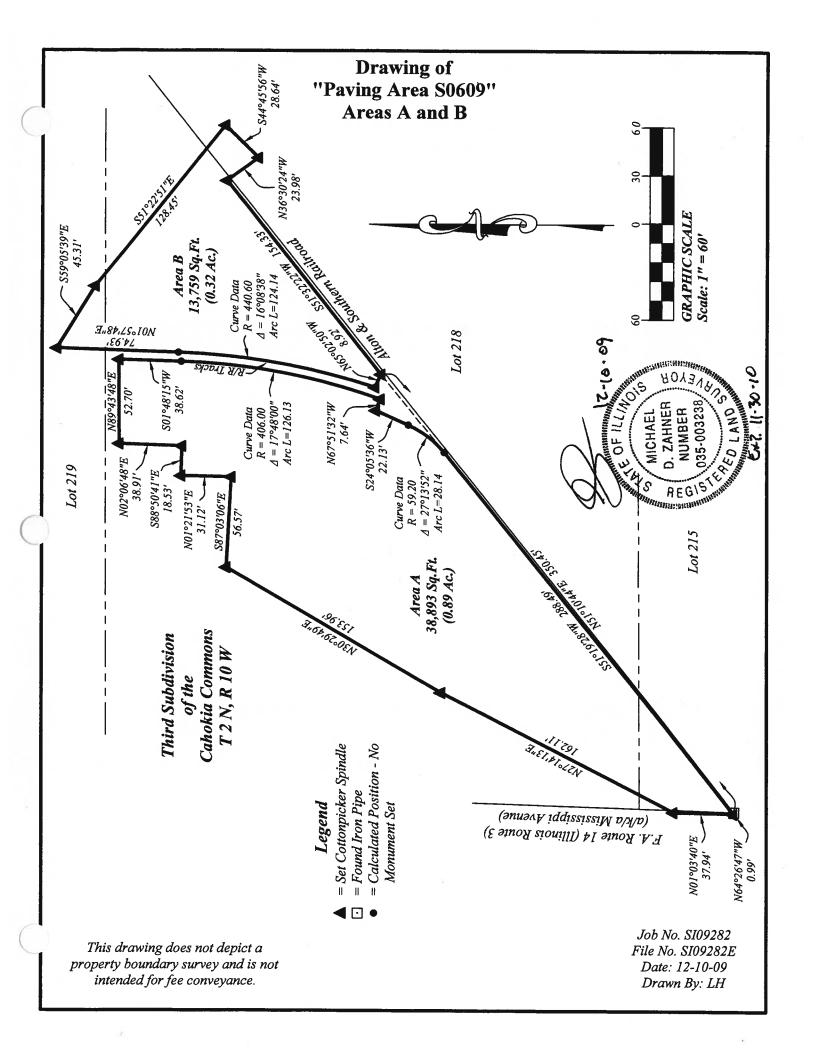
A tract of land being part of Lot Nos. 215 and 218 of the "Third Subdivision of the Cahokia Commons", Township 2 North, Range 10 West of the Third Principal Meridian, St. Clair County, Illinois, and being more particularly described as follows:

Commencing at an iron pipe at the intersection of the Northwest right-of-way line of the Alton & Southern Railroad with the East line of F.A. Route 14 (Illinois Route 3) (a/k/a Mississippi Avenue); Thence North 64°26'47" West a distance of 0.99 feet to a cottonpicker spindle, said cottonpicker spindle being the point of beginning of the tract herein described; Thence North 01°03'40" East a distance of 37.94 feet to a cottonpicker spindle; Thence North 27°14'13" East a distance of 162.11 feet to a cottonpicker spindle; Thence North 30°29'49" East a distance of 153.96 feet to a cottonpicker spindle; Thence South 87°03'06" East a distance of 56.57 feet to a cottonpicker spindle; Thence North 01°21'53" East a distance of 31.12 feet to a cottonpicker spindle; Thence South 88°50'41" East a distance of 18.53 feet to a cottonpicker spindle; Thence North 02°06'48" East a distance of 38.91 feet to a cottonpicker spindle; Thence North 89°43'48" East a distance of 52.70 feet to a cottonpicker spindle; Thence South 01°48'15" West a distance of 38.62 feet to a point of curvature; Thence Southwesterly along the arc of a curve to the right having a radius of 406.00 feet and a central angle of 17°48'00" a distance of 126.13 feet (chord bearing and distance = South 10°42'15" West, 125.62 feet to a cottonpicker spindle; Thence North 67°51'32" West a distance of 7.64 feet to a cottonpicker spindle; Thence South 24°05'36" West a distance of 22.13 feet to a point of curvature; Thence Southwesterly along the arc of a curve to the right having a radius of 59.20 feet and a central angle of 27°13'52" a distance of 28.14 feet (chord bearing and distance = South 37°42'32" West, 27.87 feet) to a point of tangent; Thence South 51°19'28" West a distance of 288.49 feet to the point of beginning containing 38,893 square feet (0.89 acre).

Area B 13,759 Sq.Ft. (0.32 Ac.)

A tract of land being part of Lot Nos. 218 and 219 of the "Third Subdivision of the Cahokia Commons", Township 2 North, Range 10 West of the Third Principal Meridian, St. Clair County, Illinois, and being more particularly described as follows:

Commencing at an iron pipe at the intersection of the Northwest right-of-way line of the Alton & Southern Railroad with the East line of F.A. Route 14 (Illinois Route 3) (a/k/a Mississippi Avenue); Thence North 51°10′44″ East a distance of 350.45 feet to a cottonpicker spindle, said cottonpicker spindle being the point of beginning of the tract herein described; Thence North 65°02′50″ West a distance of 8.92 feet to a cottonpicker spindle; Thence Northeasterly along the arc of a curve to the left having a radius of 440.60 feet and a central angle of 16°08′38″ a distance of 124.14 feet (chord bearing and distance = North 10°02′07″ East, 123.73 feet) to a point of tangent; Thence North 01°57′48″ East a distance of 74.93 feet to a cottonpicker spindle; Thence South 59°05′39″ East a distance of 45.31 feet to a cottonpicker spindle; Thence South 51°22′51″ East a distance of 128.45 feet to a cottonpicker spindle; Thence South 44°45′56″ West a distance of 28.64 feet to a cottonpicker spindle; Thence North 36°30′24″ West a distance of 23.98 feet to a cottonpicker spindle; Thence South 51°32′22″ West a distance of 154.33 feet to the point of beginning containing 13,759 square feet (0.32 acre).





26 North Jackson Street Perryville, Missouri 63775

(573) 547-1771 Fax (573)547-1452 1-800-773-1771 zahner@zahnerinc.com

"Paving Area S0715"

Area A 2633 Sq.Ft. (0.06 Ac.)

A tract of land being part of Lot Nos. 219 and 222 of the "Third Subdivision of the Cahokia Commons", Township 2 North, Range 10 West of the Third Principal Meridian, St. Clair County, Illinois, and being more particularly described as follows:

Commencing at an iron pipe at the intersection of the Northwest right-of-way line of the Alton & Southern Railroad with the East line of F.A. Route 14 (Illinois Route 3) (a/k/a Mississippi Avenue); Thence North 44°27'32" East a distance of 887.30 feet to a cottonpicker spindle, said cottonpicker spindle being the point of beginning of the tract herein described; Thence North 05°35'44" East a distance of 67.38 feet to a cottonpicker spindle; Thence North 02°33'04" East a distance of 52.31 feet to a cottonpicker spindle; Thence North 89°34'28" East a distance of 19.80 feet to a cottonpicker spindle; Thence South 00°55'01" West a distance of 57.12 feet to a point of curvature; Thence Southwesterly along the arc of a curve to the right having a radius of 442.40 feet and a central angle of 08°32'57" a distance of 66.01 feet (chord bearing and distance = South 05°11'29" West, 65.95 feet) to a cottonpicker spindle; Thence North 81°19'24" West a distance of 22.07 feet to the point of beginning containing 2633 square feet (0.06 acre).

Area B 1861 Sq.Ft. (0.04 Ac.)

A tract of land being part of Lot Nos. 219 and 222 of the "Third Subdivision of the Cahokia Commons", Township 2 North, Range 10 West of the Third Principal Meridian, St. Clair County, Illinois, and being more particularly described as follows:

Commencing at an iron pipe at the intersection of the Northwest right-of-way line of the Alton & Southern Railroad with the East line of F.A. Route 14 (Illinois Route 3) (a/k/a Mississippi Avenue); Thence North 45°59'27" East a distance of 901.43 feet to a cottonpicker spindle, said cottonpicker spindle being the point of beginning of the tract herein described; Thence Northeasterly along the arc of a curve to the left having a radius

of 459.90 feet and a central angle of 08°52'35" a distance of 71.25 feet (chord bearing and distance = North 05°14'41" East, 71.18 feet) to a point of tangent; Thence North 00°48'24" East a distance of 70.09 feet to a cottonpicker spindle; Thence South 88°58'52" East a distance of 14.14 feet to a cottonpicker spindle; Thence South 01°29'38" West a distance of 69.51 feet to a point of curvature; Thence Southwesterly along the arc of a curve to the right having a radius of 386.90 feet and a central angle of 11°03'41" a distance of 74.69 feet (chord bearing and distance = South 07°01'29" West, 74.58 feet to a cottonpicker spindle; Thence North 75°21'53" West a distance of 11.05 feet to the point of beginning containing 1861 square feet (0.04 acre).

Area C 24,120 Sq.Ft. (0.55 Ac.)

A tract of land being part of Lot Nos. 219 and 222 of the "Third Subdivision of the Cahokia Commons", Township 2 North, Range 10 West of the Third Principal Meridian, St. Clair County, Illinois, and being more particularly described as follows:

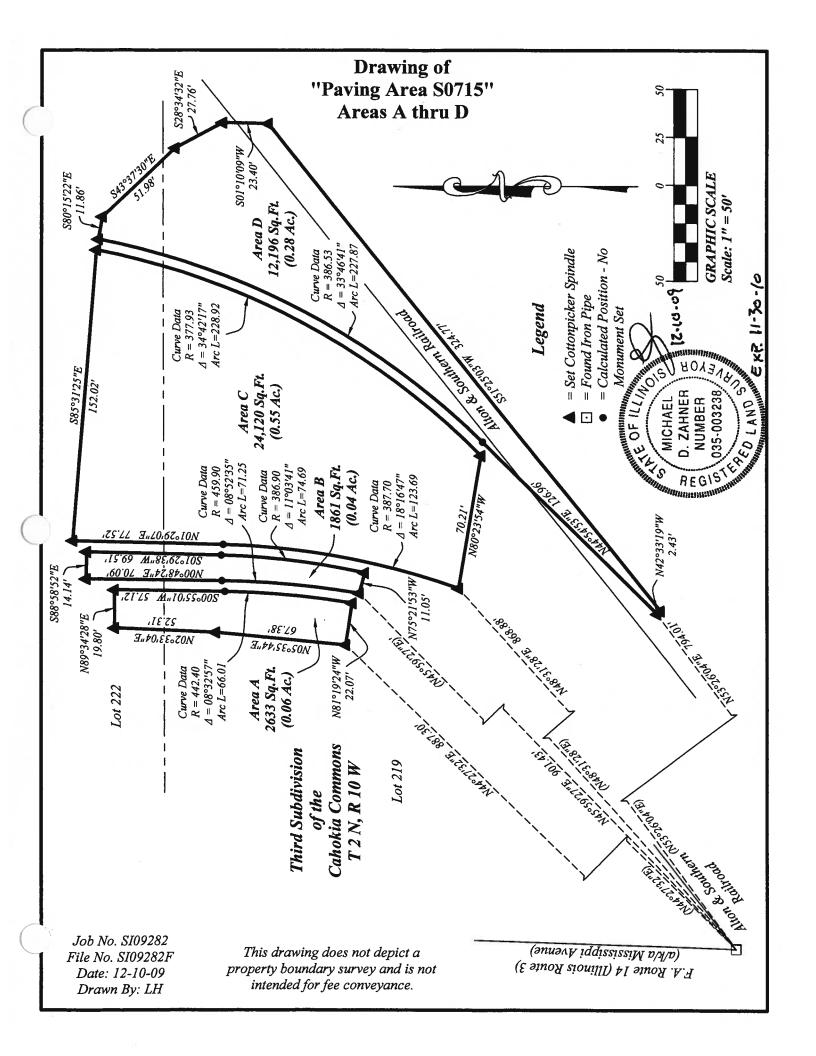
Commencing at an iron pipe at the intersection of the Northwest right-of-way line of the Alton & Southern Railroad with the East line of F.A. Route 14 (Illinois Route 3) (a/k/a Mississippi Avenue); Thence North 48°31'28" East a distance of 868.88 feet to a cottonpicker spindle, said cottonpicker spindle being the point of beginning of the tract herein described; Thence Northeasterly along the arc of a curve to the left having a radius of 387.70 feet and a central angle of 18°16'47" a distance of 123.69 feet (chord bearing and distance = North 10°37'31" East, 123.17 feet) to a point of tangent; Thence North 01°29'07" East a distance of 77.52 feet to a cottonpicker spindle; Thence South 85°31'25" East a distance of 152.02 feet to a cottonpicker spindle; Thence Southwesterly along the arc of a curve to the right having a radius of 377.93 feet and a central angle of 228.92 feet (chord bearing and distance = South 28°21'06" West, 225.43 feet) to a cottonpicker spindle; Thence North 80°23'54" West a distance of 70.21 feet to the point of beginning containing 24,120 square feet (0.55 acre).

Area D 12,196 Sq.Ft. (0.28 Ac.)

A tract of land being part of Lot Nos. 219 and 222 of the "Third Subdivision of the Cahokia Commons", Township 2 North, Range 10 West of the Third Principal Meridian, St. Clair County, Illinois, and being more particularly described as follows:

Commencing at an iron pipe at the intersection of the Northwest right-of-way line of the Alton & Southern Railroad with the East line of F.A. Route 14 (Illinois Route 3) (a/k/a Mississippi Avenue); Thence North 53°26'04" East a distance of 794.01 feet to a cottonpicker spindle, said cottonpicker spindle being the point of beginning of the tract

herein described; Thence North 44°54'53" East a distance of 126.96 feet to a point of curvature; Thence Northeasterly along the arc of a curve to the left having a radius of 386.53 feet and a central angle of 33°46'41" a distance of 227.87 feet (chord bearing and distance = North 28°01'32" East, 224.59 feet) to a cottonpicker spindle; Thence South 80°15'22" East a distance of 11.86 feet to a cottonpicker spindle; Thence South 43°37'30" East a distance of 51.98 feet to a cottonpicker spindle; Thence South 28°34'32" East a distance of 27.76 feet to a cottonpicker spindle; Thence South 01°10'09" West a distance of 23.40 feet to a cottonpicker spindle; Thence South 51°25'03" West a distance of 324.77 feet to a cottonpicker spindle; Thence North 42°33'19" West a distance of 2.43 feet to the point of beginning containing 12,196 square feet (0.28 acre).



ATTACHMENT E

ENGINEERED BARRIER INSPECTION LOG SHEET

Maintenance Inspection Log PCB Remediation Areas

INSPECTOR

Date of Inspection

					Area			
Item No.	Checklist	North Tank Farm	Spent Carbon Tank	Former PCB Warehouse	S0607	S0608 / CT-1	60908	S0715
1	Are there bare spots?	N/X	N/Y	N/X	N/Y	N/Y	N/Y	N/X
2	Is there cracking evident?	N/X	X/N	N/X	N/Y	N/X	N/X	N/X
3	Is there erosion evident?	N/X	Y/N	N/X	N/X	N/X	N/X	N/X
4	Is there settlement or subsidence evident?	N/X	Y/N	N/X	N/Y	N/X	N/ Y	N/X
5	Is there any debns or obstruction?	N/X	Y/N	N/Y	N/Y	N/X	N/Y	N/X

If Yes, describe below

MAINTENANCE / REPAIR REQUIREMENTS
Describe any items requiring work. Mark the location of the item on figures if necessary. Add other sheets if necessary.

		T			<u> </u>
Date Maintenance / Repair Work Completed					
Date of Request or Work				8	
Marked on Figure (Y or N)					
Maintenance or Repair Required					
Item No.					
Area					