PHASE II
ENVIRONMENTAL SITE
ASSESSMENT AMENDMENT

Location

Urbana Goodyear
202 South Vine Street
Urbana, Illinois 61801

HDC Project No. 10022

Submitted to

City of Urbana
400 South Vine Street
Urbana, Illinois 61801

Prepared by

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May 17, 2010

HDC ENGINEERING

ENGINEERS • SURVEYORS •
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1.0 Executive Summary

HDC Engineering (HDC) was retained by Tom Carrino of the City of Urbana to conduct a Phase II Environmental Site Assessment (Phase II ESA) Amendment of the Urbana Goodyear located at 202 South Vine Street in Urbana, Illinois. The Phase II ESA Amendment was performed in accordance with the Amendment to the Professional Services Agreement, dated April 27, 2010. The Phase II ESA was conducted in general conformance with the requirements of ASTM Standard Guide E 1903-97.

The Phase II ESA Amendment was performed to further delineate RCRA metals and volatile organic compound (VOC) contamination that was identified in the initial Phase II ESA (HDC Engineering, April 16, 2010).

The Site consists of approximately 0.4 acre and is approximately 720 feet above mean sea level. A Site Plan is included in Appendix A.

Additional investigation consisted of soil sampling in the areas of confirmed contamination. A total of five soil borings were advanced, as shown on the Site Plan. Three samples from each boring were submitted for laboratory analysis.

Conclusions

The initial Phase II ESA confirmed that hazardous substances or petroleum products have been released or disposed at the property. The investigation indicated that the release or disposal has impacted soil and has the potential to impact groundwater. The additional investigation has delineated the soil contamination. Based on the results, it appears that VOC soil contamination is limited to a depth of 3-8 feet bls around B5. The maximum VOC area is delineated by B15 to the north, B7 to the east, B4 to the south, and B16 to the west. The mercury contamination at B8 appears to be limited to the upper five feet of the subsurface, and did not extend beyond B7 to the north, B17 to the northeast, or B10 to the east. The nearest sampling points to the south and west were not close to B8 (B12 to the south and B4 to the west), due to building obstruction.

Recommendations

Contaminated soil requires special handling and disposal if disturbed during redevelopment, per Illinois regulations. Due to the chlorinated contaminants and mercury, disposal as hazardous waste is likely. Additional investigation at a later date may be considered to narrow down the extent of contamination as well.

If a No Further Remediation letter is required, the Site would need to be enrolled in the IEPA Site Remediation Program (SRP). The SRP would require additional investigation and reporting, at a minimum including groundwater assessment and contaminant modeling.

Future buildings at the Site may require a vapor barrier or a vapor reduction system, depending on adopted revisions to 35 IAC 742 which will incorporate vapor intrusion standards. Amendments to the regulation have been proposed, but a date for the changed to take effect has not been finalized.

2.0 Introduction

2.1 Purpose

The purpose of this Addendum is to further delineate RCRA metals and volatile organic compound (VOC) contamination that was identified in the initial Phase II ESA (HDC Engineering, April 16, 2010). This Addendum should be considered a supplemental report to the initial Phase II ESA.

2.2 Special Terms & Conditions

Tom Carrino of the City of Urbana retained HDC Engineering (HDC) to conduct this Phase II ESA Amendment of the Urbana Goodyear located at 202 South Vine Street in Urbana, Illinois (Site). The Amendment was performed in accordance with the Amendment to the Professional Services Agreement, dated April 27, 2010.

2.3 Limitations & Exceptions of Assessment

There may be environmental conditions impacting the property that are outside the scope of the Phase II ESA. These conditions include, but are not limited to, asbestos containing materials, lead-based paints, radon, lead in drinking water, wetlands, and vapor intrusion. Depending upon the property, the Client may wish to conduct investigations to address one or more of these potential environmental conditions.

This assessment was not intended to be, nor should it be construed as, an all-inclusive search for hazardous substances or petroleum products across the entire property. It is not intended to satisfy the level of inquiry necessary to support remedial solutions for the property. Furthermore, potential groundwater impact has not been investigated.

2.4 Limiting Conditions & Methodology Used

HDC environmental professionals have conducted this Phase II ESA Addendum in general conformance with the requirements of ASTM Standard Guide E 1903-97. The assessment was performed to generate information of sufficient quality to satisfy the stated objective and purpose and to achieve good commercial and customary practice for appropriate inquiry. All work has been performed in accordance with generally accepted practices and according to industry standards. No other warranty, expressed or implied, is made.

The investigation cannot reasonably eliminate uncertainty associated with the environmental conditions of a property to the extent that all hazardous substance or petroleum product environmental conditions have been identified. Certain conditions exist, even when the Phase II ESA is executed with an appropriate standard of care, which present especially difficult detection problems. These conditions include complex geological settings, fate and transport characteristics of contaminants, and physical limitations.

3.0 Background

The property is located at 202 South Vine Street, Urbana, Champaign County, Illinois, which is in the southeast corner of the South Vine Street and East Elm Street intersection.

The Site consists of approximately 0.4 acre and is approximately 720 feet above mean sea level. The general topography of the Site indicates that surface groundwater flow is towards the northeast. A site plan is provided in Appendix A.

Improvements to the Site include a 6,946 square foot block building with associated parking. Available public utilities on the Site consisted of potable water, sanitary sewer, electricity, natural gas and telephone.

A Phase I ESA prepared by HDC, dated February 23, 2010, identified recognized environmental concerns (RECs) in connection with the property that indicated the presence or likely presence of a potential past, present, or material threat of a release on the property of hazardous substances or petroleum products.

A Phase II ESA, prepared by HDC Engineering, dated April 16, 2010, confirmed the presence of VOC and RCRA metals contamination. Specifically, benzene, tetrachloroethene, and trichloroethene exceeded remediation objectives (ROs) at sample B5-6' and mercury exceeded a RO at sample B8-3'. Furthermore, oil saturated soil was encountered at B5.

Refer to previous reports for historic uses of the Site and a complete list of RECs.

4.0 Phase II Activities

4.1 Scope of Assessment

The subsurface investigation included the advancement of five additional soil borings. Soil borings are shown on the Site Plan provided in Appendix A. To achieve horizontal delineation, two soil borings were placed north and west of B5, and one boring was placed northeast of B8. To achieve vertical delineation, one boring was located at each of the previous borings that exhibited contamination in excess of the RO. These borings are referred to as B5b and B8b. Three soil samples were collected from each boring.

4.2 Field Explorations and Methods

Soil borings were incrementally advanced utilizing direct push technology to permit continuous sampling. In most cases, a 5-ft macro core and sampling sleeve were used to collect soil to a depth of 15 feet below land surface (bls). However, the standard equipment was utilized only to a depth of four feet bls at boring B5b. Extending from this depth, a dual tube sampler was used to a depth

of 10 feet bls. The dual tube equipment was used to reduce the chance of cross-contaminating deeper soil samples with oil that was encountered at B5-6'. Soil was collected only from 0-4 feet and 8-10 feet bls. Due to the presence of oily sand at shallower depths, deeper samples were not attempted.

In each case, the sampler was retrieved and the soil column exposed to describe recovery length, composition, stratification, color, condition, and odors. At each variation of the stratification, a representative sample was utilized to classify the soil. Soil boring logs detailing drilling and sampling activities are provided in Appendix B. Upon completion the boreholes were backfilled with bentonite. Soil cuttings/cores were placed in 55-gallon drums for off-site disposal.

4.3 Sampling and Chemical Analyses and Methods

Soil collected from each boring location was screened at two-foot intervals in the field using a Photo Ionization Detector (PID) and visual/olfactory observations. One sample from every five feet of depth was selected for laboratory analysis, except at B5b. For the reasons discussed above, one sample was collected above the previously detected contamination, while two samples were collected below the apparent contamination, one at eight feet bls and one at ten feet bls. A complete list of sample depths is included in the laboratory tables and in the boring logs.

Samples were collected and preserved according to the USEPA SW-846 protocol appropriate for the indicator contaminants being analyzed. The collected samples were packed on ice and shipped for analysis to Prairie Analytical Systems, Inc. in Springfield, Illinois, following standard chain of custody procedures. The samples were analyzed for VOCs near B5 and RCRA metals/pH near B8 using EPA Method 5035/8260B, 6020A, and 9045C respectively. Laboratory analytical reports are provided as Appendix C.

Analysis was performed in accordance with the USEPA SW-846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods" using test methods recognized by the Illinois Environmental Protection Agency (IEPA) for the various contaminants.

5.0 Evaluation and Presentation of Results

5.1 Subsurface Conditions

The general lithology noted at the additional locations mainly consists of silty clay (with or without pebbles), clayey silt, and diamicton (glacial till). Soil lithology is noted on the soil boring logs, provided as Appendix B. Moist soils were encountered as shallow as six feet bls and as deep as 11 feet bls. Groundwater depths typically fluctuate due to variations in seasonal precipitation, drainage conditions, and permeability characteristics.

5.2 Analytical Data

Field Observations
The following borings exhibited a combination of elevated PID readings, petroleum contaminant discoloration, and/or petroleum odors:

B5b - Elevated PID reading at 3 ft bls (residual oil was not observed)
B8b - Elevated PID reading at 3 ft bls*
B17 - Elevated PID reading at 2 ft bls, possible contaminant staining 1-5 ft bls

*Although the greatest PID reading at B8b was recorded at a depth of three feet bls, soil was sampled at five feet bls. The original boring, B8, was sampled at three feet bls, and re-sampling at the same depth would not have yielded new information.

Elevated PID readings, petroleum contaminant discoloration, and/or petroleum odors were not observed at borings B15 or B16. PID values and field observations are noted on soil boring logs, provided as Appendix B.

Laboratory Analysis of Soil Samples
Laboratory analytical data are presented in the summary tables at the start of Appendix C. Only borings and/or analyte groups with detected levels of the target analytes are shown; non-detect results are omitted. The full laboratory report follows the tables.

Detected results were compared to soil remediation objectives (ROs) as listed in 35 IAC 742, Appendix B, Table A: Tier 1 Soil Remediation Objectives for Residential Properties; Table B: Tier 1 Soil Remediation Objectives for Industrial/Commercial Properties, and Table C: pH Specific Soil Remediation Objectives (for metals). The objectives are shown in the summary tables.

VOCs were analyzed at B5b, B15, and B16. A number of VOCs were detected, including benzene, butylbenzene, ethylbenzene, p-isopropyltoluene, isopropylbenzene, n-propylbenzene, tetrachloroethene, toluene, trichloroethene, trimethylbenzene, and xylenes. These are characteristic petroleum and chlorinated solvent contaminants. The reported levels were below the applicable published ROs.

Of the eight metals targeted for analysis in the RCRA metals group, four occur naturally in most soils: arsenic, barium, chromium, and lead. These metals were detected at each sample location, and the levels were below applicable ROs. The lead detection at B17-2 was noticeably greater than the other samples at the Site, but still below ROs.

Selenium was also detected at B8b-5 and B17-2. This metal does not typically occur naturally. However, the selenium levels were minimal and less than the applicable ROs.

6.0 Findings & Conclusions

HDC has performed this Amendment to the Phase II Environmental Site Assessment in general conformance with the scope and limitations of ASTM Standard Guide E 1903-97 of Urbana Goodyear located at 202 South Vine Street in Urbana, Illinois. Exceptions to or deletions from this practice are described in Section 2 of this report.

The initial Phase II ESA confirmed that hazardous substances or petroleum products have been released or disposed at the property. The investigation indicated that the release or disposal has impacted soil and has the potential to impact groundwater. The additional investigation has delineated the soil contamination. Based on the results, it appears that VOC soil contamination is limited to a depth of 3-8 feet bls around B5. The maximum VOC area is delineated by B15 to the north, B7 to the east, B4 to the south, and B16 to the west. The mercury contamination at B8 appears to be limited to the upper five feet of the subsurface, and did not extend beyond B7 to the north, B17 to the northeast, or B10 to the east. The nearest sampling points to the south and west were not close to B8 (B12 to the south and B4 to the west), due to building obstruction.

7.0 Recommendations

Contaminated soil requires special handling and disposal if disturbed during redevelopment, per Illinois regulations. Due to the chlorinated contaminants and mercury, disposal as hazardous waste is likely. Additional investigation at a later date may be considered to narrow down the extent of contamination as well.

If a No Further Remediation letter is required, the Site would need to be enrolled in the IEPA Site Remediation Program (SRP). The SRP would require additional investigation and reporting, at a minimum including groundwater assessment and contaminant modeling.

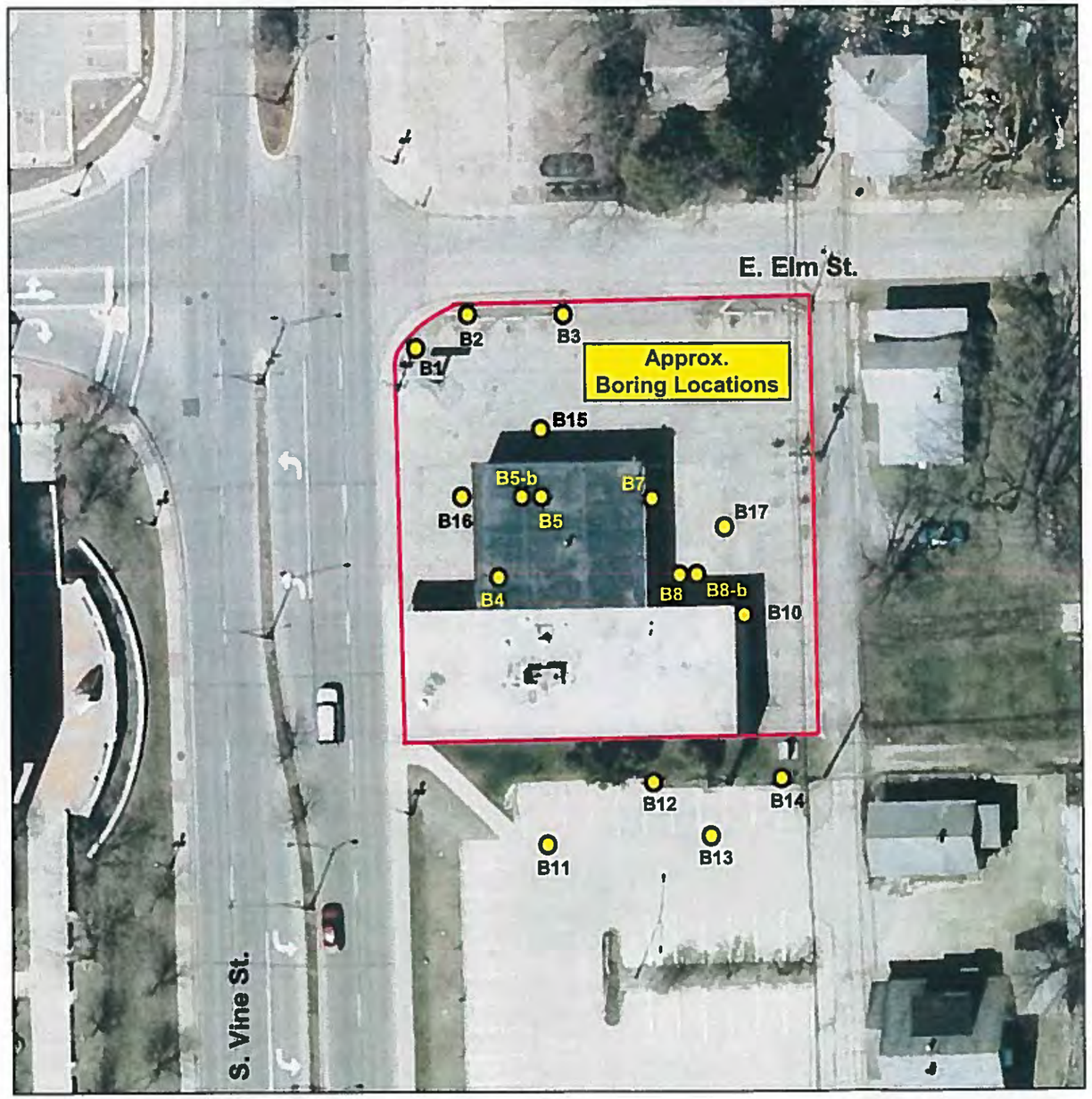
Future buildings at the Site may require a vapor barrier or a vapor reduction system, depending on adopted revisions to 35 IAC 742 which will incorporate vapor intrusion standards. Amendments to the regulation have been proposed, but a date for the changed to take effect has not been finalized.

8.0 Signature of Environmental Professional

Kevin Saylor, PE
Report Author
Environmental Division Manager

Bill Walsh
Review Author
Environmental Professional

Appendix A – Site Plan



LEGEND

SITE BOUNDARY

SOIL BORING

NOTES:

DRAWING BASED ON 2008 AERIAL PHOTOGRAPHY, OBTAINED FROM CHAMPAIGN COUNTY GIS CONSORTIUM

NOT TO SCALE

SITE PLAN
PHASE II ESA
GOODYEAR
202 S. VINE STREET
URBANA, ILLINOIS

HDC PROJECT # 10022

HDC ENGINEERING
CHAMPAIGN, IL

Appendix B – Soil Boring Logs

HDC ENGINEERING

SOIL BORING LOG

HDC Project Number: 10022

LUST Incident No.: NA

Boring Number: B5b

Page: 1 of 1

Site Name: Urbana Goodyear

Address: 202 South Vine Street

Boring Location: refer to map

Date: 5/4/2010 Start 10:15 Finish 11:00

Sample Number	Sample Device	Sample Recovery	Lithology Symbol	Depth (feet)	Detailed Soil and Rock Description	Natural Moisture Content %	Hand Penetrometer Qu	OVA/PID/FID/OVM	Remarks
	macrocore	1.5		1	no recovery				
				2					
B5b-3				3	brown sand			3	
					gravel / concrete rubble				
				4					
	Geoprobe dual tube system			5					
				6	NA - dual tube casing				
				7					
B5b-8				8				ND	
		2		9	brown silty clay w/ pebbles				
B5b-10				10				ND	
					end of boring				
				11					
				12					
				13					
				14					
				15					
				16					

Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.

Groundwater Data
Depth While Drilling ____
Depth After Drilling ____

Auger Depth
Rotary Depth
Rig: Geoprobe DT66
Geologist: Bill Walsh
Driller/Co.: Jason Jones / HDC Engineering
Note: Boring backfilled unless otherwise noted.

HDC ENGINEERING

SOIL BORING LOG

HDC Project Number: 10022

LUST Incident No.: NA

Boring Number: B8b

Page: 1 of 1

Site Name: Urbana Goodyear

Address: 202 South Vine Street

Boring Location: refer to map

Date: 5/4/2010 Start 8:30 Finish 8:55

Sample Number	Sample Device	Sample Recovery	Lithology Symbol	Depth (feet)	Detailed Soil and Rock Description	Natural Moisture Content %	Q Hand Penetrometer Qu	OVA/PID/FID/OVM	Remarks
	Geoprobe 5' macrocore			1	pavement/base				
		5		2, 3	black/brown clayey silt w/ sand			3.9	
B8b-5				4, 5, 6, 7	brown silty clay, moist 6' - 7.5'			ND, ND	
B8b-8		5		8, 9, 10	brown silty clay w/ pebbles			ND, ND	
B8b-12		5		11, 12, 13				ND	
				14, 15	grey silty clay w/ pebbles (1" sand at 14')			ND	
				16	end of boring				

Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.

Groundwater Data
▼ Depth While Drilling ____
▽ Depth After Drilling ____

Auger Depth
Rotary Depth
Rig: Geoprobe DT66
Geologist: Bill Walsh
Driller/Co.: Jason Jones / HDC Engineering

Note: Boring backfilled unless otherwise noted.

HDC ENGINEERING

SOIL BORING LOG

HDC Project Number: 10022

LUST Incident No.: NA

Boring Number: B15

Page: 1 of 1

Site Name: Urbana Goodyear

Address: 202 South Vine Street

Boring Location: refer to map

Date: 5/4/2010 Start 9:30 Finish 9:45

Sample Number	Sample Device	Sample Recovery	Lithology Symbol	Depth (feet)	Detailed Soil and Rock Description	Natural Moisture Content %	Hand Penetrometer Qu	OVA/PID/FID/OVM	Remarks
				1	pavement/base				
				2	black clayey silt			ND	
		5		3					
B15-4				4				ND	
				5	brown silty clay, moist 6' - 7.5'				
				6				ND	
				7					
		5							
B15-8				8				ND	
				9					
				10				ND	
				11	brown silty clay w/ pebbles, moist 7.5' - 11'				
B15-12				12				ND	
		5		13					
				14				ND	
					grey silty clay w/ pebbles				
				15					
					end of boring				
				16					

Geoprobe 5' macrocore

Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.

Groundwater Data
▼ Depth While Drilling ____
▽ Depth After Drilling ____

Auger Depth
Rotary Depth
Rig: Geoprobe DT66
Geologist: Bill Walsh
Driller/Co.: Jason Jones / HDC Engineering
Note: Boring backfilled unless otherwise noted.

HDC ENGINEERING

SOIL BORING LOG

HDC Project Number: 10022

LUST Incident No.: NA

Boring Number: B16

Page: 1 of 1

Site Name: Urbana Goodyear

Address: 202 South Vine Street

Boring Location: refer to map

Date: 5/4/2010 Start 9:50 Finish 10:10

Sample Number	Sample Device	Sample Recovery	Lithology Symbol	Depth (feet)	Detailed Soil and Rock Description	Natural Moisture Content %	Qu Hand Penetrometer	OVA/PID/FID/OVM	Remarks
	Geoprobe 5' macrocore	5		1	pavement/base				
				2	black clayey silt				
				3				ND	
				4					
B16-5				5	brown silty clay, moist 6.5' - 7.5'			ND	
				6				ND	
		5		7					
B16-8				8				ND	
				9					
				10				ND	
				11	brown silty clay w/ pebbles, moist 7.5' - 9'				
B16-12				12				ND	
		5		13					
				14				ND	
					grey silty clay w/ pebbles				
				15					
					end of boring				
				16					

Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.

Groundwater Data
▼ Depth While Drilling ____
▽ Depth After Drilling ____

Auger Depth
Rotary Depth
Rig: Geoprobe DT66
Geologist: Bill Walsh
Driller/Co.: Jason Jones / HDC Engineering
Note: Boring backfilled unless otherwise noted.

HDC ENGINEERING

SOIL BORING LOG

HDC Project Number: 10022

LUST Incident No.: NA

Boring Number: B17

Page: 1 of 1

Site Name: Urbana Goodyear

Address: 202 South Vine Street

Boring Location: refer to map

Date: 5/4/2010 Start 9:00 Finish 9:25

Sample Number	Sample Device	Sample Recovery	Lithology Symbol	Depth (feet)	Detailed Soil and Rock Description	Natural Moisture Content %	Qu Hand Penetrometer	OVA/PID/FID/OVM	Remarks
				1	silt/sand/gravel				
					black/green silty sand				
B17-2	Geoprobe 5' macrocore	5		2	black clayey silt (2" of brick at 1.5')			6.4	
				3					
				4	dark grey/olive silty clay			ND	
				5	no recovery				
B17-6		4.5		6	brown/olive silty clay, moist 6.5' - 7.5'			ND	
				7					
				8	brown silty clay w/ pebbles, moist 10.5' - 13'			ND	
				9					
				10				ND	
				11					
B17-12		5		12				ND	
				13					
				14				ND	
					grey silty clay w/ pebbles				
				15	end of boring				
				16					

Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.

Groundwater Data
▼ Depth While Drilling ____
▽ Depth After Drilling ____

Auger Depth
Rotary Depth
Rig: Geoprobe DT66
Geologist: Bill Walsh
Driller/Co.: Jason Jones / HDC Engineering
Note: Boring backfilled unless otherwise noted.

Appendix C – Analytical Reports

Urbana Goodyear
202 S. Vine St., Urbana, IL
HDC Project 10022
Metals Soil Results

	Tier 1 Remediation Objectives						Sample ID - Depth (ft)						
							B1	B2	B3	B4	B5	B7	B8
Parameter	ING-RES	INH-RES	ING-IC	INH-IC	ING-CW	INH-CW	10	8	10	6	6	4	3
Arsenic	11.3*	750	11.3*	1,200	61	25,000	5.42	6.16	4.87	6.75	2.7	7.23	6.35
Barium	5,500	690,000	140,000	910,000	14,000	870,000	35.6	22.4	43.4	38.4	13.9	95.7	105
Cadmium	78	1,800	2,000	2,800	200	59,000	U	U	U	U	U	U	U
Chromium	230	270	6,100	420	4,100	690	11.1	9.8	12.1	12.1	4.61	14.8	10.9
Lead	400	NA	800	NA	700	NA	14.1	9.06	8.05	13.5	8.18	44.5	71
Mercury	23	10	610	16	61	0.1	U	U	U	U	U	U	**0.138**
Selenium	390	NA	10,000	NA	1,000	NA	U	U	U	U	U	U	U
Silver	390	NA	10,000	NA	1,000	NA	U	U	U	U	U	U	U
pH	-	-	-	-	-	-	7.63	7.85	7.89	10.3	11.1	7.83	7.26

Metals results in mg/kg (ppm)
U = below detection limit
Remediation objectives per 35 IAC 742 Appx B, Tables A and B
NA = No established Tier 1 Remediation Objective
Results exceeding objective are bold and shaded.
ING = Ingestion
IC = Industrial/commercial
CW = Construction Worker
RES = Residential
**Conc. In Background Soils for Counties Outside Metropolitan Statistical Areas, per 35 IAC Appx A, Table G*

Urbana Goodyear
202 S. Vine St., Urbana, IL
HDC Project 10022
Metals Soil Results

	Tier 1 Remediation Objectives						Sample ID - Depth (ft)							
							B8b	B8b	B8b	B10	B11	B12	B13	B14
Parameter	ING-RES	INH-RES	ING-IC	INH-IC	ING-CW	INH-CW	5	8	12	4	8	8	6	8
Arsenic	11.3*	750	11.3*	1,200	61	25,000	9.91	5.57	5.55	6.82	4.07	4.21	9.25	6.57
Barium	5,500	690,000	140,000	910,000	14,000	870,000	110	32.3	20.2	96.5	24.9	33.8	99.6	42.3
Cadmium	78	1,800	2,000	2,800	200	59,000	U	U	U	U	U	U	U	U
Chromium	230	270	6,100	420	4,100	690	27	20.2	20.9	14.6	9.31	10.8	13.8	12.4
Lead	400	NA	800	NA	700	NA	11.5	11.2	13.6	59.9	12.7	22.1	21.2	10.8
Mercury	23	10	610	16	61	0.1	U	U	U	U	U	U	U	U
Selenium	390	NA	10,000	NA	1,000	NA	0.621	U	U	U	U	U	U	U
Silver	390	NA	10,000	NA	1,000	NA	U	U	U	U	U	U	U	U
pH	-	-	-	-	-	-	7.42	7.35	7.87	7.08	8.03	8.03	8.35	7.39

Metals results in mg/kg (ppm)
U = below detection limit
Remediation objectives per 35 IAC 742 Appx B, Tables A and B
NA = No established Tier 1 Remediation Objective
Results exceeding objective are bold and shaded.
ING = Ingestion
IC = Industrial/commercial
CW = Construction Worker
RES = Residential
**Conc. In Background Soils for Counties Outside Metropolitan Statistical Areas, per 35 IAC Appx A, Table G*

Urbana Goodyear
202 S. Vine St., Urbana, IL
HDC Project 10022
Metals Soil Results

	Tier 1 Remediation Objectives						Sample ID - Depth (ft)		
							B17	B17	B17
Parameter	ING-RES	INH-RES	ING-IC	INH-IC	ING-CW	INH-CW	2	6	12
Arsenic	11.3*	750	11.3*	1,200	61	25,000	8.59	5.83	5.52
Barium	5,500	690,000	140,000	910,000	14,000	870,000	71	38.4	27.7
Cadmium	78	1,800	2,000	2,800	200	59,000	U	U	U
Chromium	230	270	6,100	420	4,100	690	28.2	19.4	18.4
Lead	400	NA	800	NA	700	NA	99.4	12.2	10.1
Mercury	23	10	610	16	61	0.1	U	U	U
Selenium	390	NA	10,000	NA	1,000	NA	0.752	U	U
Silver	390	NA	10,000	NA	1,000	NA	U	U	U
pH	-	-	-	-	-	-	7.49	7.10	8.14

Metals results in mg/kg (ppm)
U = below detection limit
Remediation objectives per 35 IAC 742 Appx B, Tables A and B
NA = No established Tier 1 Remediation Objective
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**Conc. In Background Soils for Counties Outside Metropolitan Statistical Areas, per 35 IAC Appx A, Table G*

Urbana Goodyear
202 S. Vine St., Urbana, IL
HDC Project 10022
Metals Soil Results

	Tier 1 pH Specific Objectives - Soil Comp. of the Groundwater Ing. Route									
Parameter	*pH Spec. Obj*	B10 4	B17 6	*pH Spec. Obj*	B1 10	B8 3	B8b 5	B8b 8	B14 8	B17 2
Arsenic	*29*	6.82	5.83	*30*	5.42	6.35	9.91	5.57	6.57	8.59
Barium	*1,700*	96.5	38.4	*1,800*	35.6	105	110	32.3	42.3	71
Cadmium	*11*	U	U	*59*	U	U	U	U	U	U
Chromium	*36*	14.6	19.4	*32*	11.1	10.9	27	20.2	12.4	28.2
Lead	*107*	59.9	12.2	*107*	14.1	71	11.5	11.2	10.8	99.4
Mercury	*3.3*	U	U	*6.4*	U	0.138	U	U	U	U
Selenium	*4.5*	U	U	*3.3*	U	U	0.621	U	U	0.752
Silver	*13*	U	U	*39*	U	U	U	U	U	U
pH	*6.9-7.24*	7.08	7.10	*7.25-7.74*	7.63	7.26	7.42	7.35	7.39	7.49

	Tier 1 pH Specific Objectives - Soil Comp. of the Groundwater Ing. Route												
Parameter	*pH Spec. Obj*	B2 8	B3 10	B7 4	B8b 12	B11 8	B12 8	B17 12	*pH Spec. Obj*	B13 6	pH Spec.	B4 6	B5 6
Arsenic	*31*	6.16	4.87	7.23	5.55	4.07	4.21	5.52	*32*	9.25	**	6.75	2.7
Barium	*2,100*	22.4	43.4	95.7	20.2	24.9	33.8	27.7	*NA*	99.6	**	38.4	13.9
Cadmium	*430*	U	U	U	U	U	U	U	*NA*	U	**	U	U
Chromium	*28*	9.8	12.1	14.8	20.9	9.31	10.8	18.4	*24*	13.8	**	12.1	4.61
Lead	*107*	9.06	8.05	44.5	13.6	12.7	22.1	10.1	*107*	21.2	**	13.5	8.18
Mercury	*8*	U	U	U	U	U	U	U	*NA*	U	**	U	U
Selenium	*2.4*	U	U	U	U	U	U	U	*1.8*	U	**	U	U
Silver	*110*	U	U	U	U	U	U	U	*NA*	U	**	U	U
pH	*7.75-8.24*	7.85	7.89	7.83	7.87	8.03	8.03	8.14	*8.25-8.74*	8.35	**	10.3	11.1

Remediation objectives per 35 IAC 742 Appx B, Table C
NA = No data for particular pH
** No published objectives for pH > 9.0
Results exceeding objective are bold and shaded.

Urbana Goodyear
202 S. Vine St., Urbana, IL
HDC Project 10022
VOC Soil Results

	Tier 1 Industrial/Commercial Remediation Objectives					Sample ID - Depth (ft)								
					Soil Comp.	B1	B2	B3	B4	B5	B5b	B5b	B5b	B7
Parameter	ING-IC	INH-IC	ING-CW	INH-CW	Groundwater	10	8	10	6	6	3	8	10	4
VOCs														
Benzene	100,000	1,600	2,300,000	2,200	30	U	U	4.52	U	**71.7**	4.95	U	U	U
n-Butylbenzene	NRO	NRO	NRO	NRO	NRO	U	U	U	U	45.3	57.9	U	U	U
sec-Butylbenzene	NRO	NRO	NRO	NRO	NRO	U	U	U	U	14.6	14.2	U	U	U
Ethylbenzene	200,000,000	400,000	20,000,000	58,000	13,000	4.8	U	U	U	67.1	25.7	U	U	U
Isopropylbenzene	NRO	NRO	NRO	NRO	NRO	U	U	U	U	U	U	U	U	U
p-Isopropyltoluene	NRO	NRO	NRO	NRO	NRO	U	U	U	U	U	9.52	U	U	U
Naphthalene	41,000,000	270,000	4,100,000	1,800	12,000	U	U	U	U	27.6	U	U	U	U
n-Propylbenzene	NRO	NRO	NRO	NRO	NRO	U	U	U	U	8.18	6.2	U	U	U
Tetrachloroethene	110,000	20,000	2,400,000	28,000	60	U	U	U	12.3	**514**	U	U	U	U
Toluene	410,000,000	650,000	410,000,000	42,000	12,000	U	6.58	U	U	U	34.7	U	6.05	U
Trichloroethene	520,000	8,900	1,200,000	12,000	60	U	U	U	U	**147**	6.06	U	U	U
1,2,4-Trimethylbenzene	NRO	NRO	NRO	NRO	NRO	U	U	6.21	U	51.4	40.3	U	U	U
1,3,5-Trimethylbenzene	NRO	NRO	NRO	NRO	NRO	U	U	U	U	29.1	26.4	U	U	U
Xylenes	410,000,000	320,000	41,000,000	5,600	150,000	U	U	18.1	U	235	91.4	U	U	U

VOCs not listed were below detection limits
All results in ug/kg (ppb)
U = below detection limit
Remediation objectives per 35 IAC 742 Appx B, Table B
NRO = No Remediation Objective established
Results exceeding objective are bold and shaded.
ING = Ingestion
INH = Inhalation
IC = Industrial/commercial
CW = Construction Worker

Urbana Goodyear
202 S. Vine St., Urbana, IL
HDC Project 10022
VOC Soil Results

	Tier 1 Industrial/Commercial Remediation Objectives					Sample ID - Depth (ft)							
						B8	B10	B11	B12	B13	B14	B15	B15
Parameter	ING-IC	INH-IC	ING-CW	INH-CW	Soil Comp. Groundwater	3	4	8	8	6	8	4	8
VOCs													
Benzene	100,000	1,600	2,300,000	2,200	30	U	U	U	U	U	U	U	U
n-Butylbenzene	NRO	NRO	NRO	NRO	NRO	U	U	U	U	1250	U	U	U
sec-Butylbenzene	NRO	NRO	NRO	NRO	NRO	U	U	U	U	101	U	U	U
Ethylbenzene	200,000,000	400,000	20,000,000	58,000	13,000	U	U	U	U	27.1	U	U	U
Isopropylbenzene	NRO	NRO	NRO	NRO	NRO	U	U	U	U	1090	U	U	U
p-Isopropyltoluene	NRO	NRO	NRO	NRO	NRO	U	U	U	U	U	U	U	U
Naphthalene	41,000,000	270,000	4,100,000	1,800	12,000	U	U	U	U	1130	U	U	U
n-Propylbenzene	NRO	NRO	NRO	NRO	NRO	U	U	U	U	2120	U	U	U
Tetrachloroethene	110,000	20,000	2,400,000	28,000	60	U	U	U	U	U	U	U	4.7
Toluene	410,000,000	650,000	410,000,000	42,000	12,000	U	U	U	5.12	U	U	U	U
Trichloroethene	520,000	8,900	1,200,000	12,000	60	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	NRO	NRO	NRO	NRO	NRO	U	U	U	U	U	U	6.45	U
1,3,5-Trimethylbenzene	NRO	NRO	NRO	NRO	NRO	U	U	U	U	U	U	U	U
Xylenes	410,000,000	320,000	41,000,000	5,600	150,000	U	U	U	U	U	U	U	U

VOCs not listed were below detection limits
All results in ug/kg (ppb)
U = below detection limit
Remediation objectives per 35 IAC 742 Appx B, Table B
NRO = No Remediation Objective established
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ING = Ingestion
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IC = Industrial/commercial
CW = Construction Worker

Urbana Goodyear
202 S. Vine St., Urbana, IL
HDC Project 10022
VOC Soil Results

	Tier 1 Industrial/Commercial Remediation Objectives					Sample ID - Depth (ft)			
Parameter	ING-IC	INH-IC	ING-CW	INH-CW	Soil Comp. Groundwater	B15 12	B16 5	B16 8	B16 12
VOCs									
Benzene	100,000	1,600	2,300,000	2,200	30	U	U	U	U
n-Butylbenzene	NRO	NRO	NRO	NRO	NRO	U	U	U	U
sec-Butylbenzene	NRO	NRO	NRO	NRO	NRO	U	U	U	U
Ethylbenzene	200,000,000	400,000	20,000,000	58,000	13,000	U	U	U	U
Isopropylbenzene	NRO	NRO	NRO	NRO	NRO	U	U	U	U
p-Isopropyltoluene	NRO	NRO	NRO	NRO	NRO	U	U	U	U
Naphthalene	41,000,000	270,000	4,100,000	1,800	12,000	U	U	U	U
n-Propylbenzene	NRO	NRO	NRO	NRO	NRO	U	U	U	U
Tetrachloroethene	110,000	20,000	2,400,000	28,000	60	U	U	U	U
Toluene	410,000,000	650,000	410,000,000	42,000	12,000	4.21	U	6.22	6.07
Trichloroethene	520,000	8,900	1,200,000	12,000	60	U	U	U	U
1,2,4-Trimethylbenzene	NRO	NRO	NRO	NRO	NRO	U	U	U	U
1,3,5-Trimethylbenzene	NRO	NRO	NRO	NRO	NRO	U	U	U	U
Xylenes	410,000,000	320,000	41,000,000	5,600	150,000	U	U	U	U

VOCs not listed were below detection limits
All results in ug/kg (ppb)
U = below detection limit
Remediation objectives per 35 IAC 742 Appx B, Table B
NRO = No Remediation Objective established
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Urbana Goodyear
202 S. Vine St., Urbana, IL
HDC Project 10022
VOC Soil Results

	Tier 1 Residential Remediation Objectives			Sample ID - Depth (ft)												
Parameter	Ingestion	Inhalation	Soil Comp. Groundwater	B1	B2	B3	B4	B5	B5b	B5b	B5b	B7	B8	B10	B11	B12
				10	8	10	6	6	3	8	10	4	3	4	8	8
VOCs																
Benzene	12,000	800	30	U	U	4.52	U	**71.7**	4.95	U	U	U	U	U	U	U
n-Butylbenzene	NRO	NRO	NRO	U	U	U	U	45.3	57.9	U	U	U	U	U	U	U
sec-Butylbenzene	NRO	NRO	NRO	U	U	U	U	14.6	14.2	U	U	U	U	U	U	U
Ethylbenzene	7,800,000	400,000	13,000	4.8	U	U	U	67.1	25.7	U	U	U	U	U	U	U
Isopropylbenzene	NRO	NRO	NRO	U	U	U	U	U	U	U	U	U	U	U	U	U
p-Isopropyltoluene	NRO	NRO	NRO	U	U	U	U	U	9.52	U	U	U	U	U	U	U
Naphthalene	1,600,000	170,000	12,000	U	U	U	U	27.6	U	U	U	U	U	U	U	U
n-Propylbenzene	NRO	NRO	NRO	U	U	U	U	8.18	6.2	U	U	U	U	U	U	U
Tetrachloroethene	12,000	11,000	60	U	U	U	12.3	**514**	U	U	U	U	U	U	U	U
Toluene	16,000,000	650,000	12,000	U	6.58	U	U	U	34.7	U	6.05	U	U	U	U	5.12
Trichloroethene	58,000	5,000	60	U	U	U	U	**147**	6.06	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	NRO	NRO	NRO	U	U	6.21	U	51.4	40.3	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	NRO	NRO	NRO	U	U	U	U	29.1	26.4	U	U	U	U	U	U	U
Xylenes	16,000,000	320,000	150,000	U	U	18.1	U	235	91.4	U	U	U	U	U	U	U

VOCs not listed were below detection limits
All results in ug/kg (ppb)
U = below detection limit
Remediation objectives per 35 IAC 742 Appx B, Table A
NRO = No Remediation Objective established
Results exceeding objective are bold and shaded.

Urbana Goodyear
202 S. Vine St., Urbana, IL
HDC Project 10022
VOC Soil Results

	Tier 1 Residential Remediation Objectives			Sample ID - Depth (ft)							
Parameter	Ingestion	Inhalation	Soil Comp. Groundwater	B13 6	B14 8	B15 4	B15 8	B15 12	B16 5	B16 8	B16 12
VOCs											
Benzene	12,000	800	30	U	U	U	U	U	U	U	U
n-Butylbenzene	NRO	NRO	NRO	1250	U	U	U	U	U	U	U
sec-Butylbenzene	NRO	NRO	NRO	101	U	U	U	U	U	U	U
Ethylbenzene	7,800,000	400,000	13,000	27.1	U	U	U	U	U	U	U
Isopropylbenzene	NRO	NRO	NRO	1090	U	U	U	U	U	U	U
p-Isopropyltoluene	NRO	NRO	NRO	U	U	U	U	U	U	U	U
Naphthalene	1,600,000	170,000	12,000	1130	U	U	U	U	U	U	U
n-Propylbenzene	NRO	NRO	NRO	2120	U	U	U	U	U	U	U
Tetrachloroethene	12,000	11,000	60	U	U	U	4.7	U	U	U	U
Toluene	16,000,000	650,000	12,000	U	U	U	U	4.21	U	6.22	6.07
Trichloroethene	58,000	5,000	60	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	NRO	NRO	NRO	U	U	6.45	U	U	U	U	U
1,3,5-Trimethylbenzene	NRO	NRO	NRO	U	U	U	U	U	U	U	U
Xylenes	16,000,000	320,000	150,000	U	U	U	U	U	U	U	U

VOCs not listed were below detection limits
All results in ug/kg (ppb)
U = below detection limit
Remediation objectives per 35 IAC 742 Appx B, Table A
NRO = No Remediation Objective established
Results exceeding objective are bold and shaded.

Urbana Goodyear
202 S. Vine St., Urbana, IL
HDC Project 10022
PNA Soil Results

	Tier 1 Industrial/Commercial Remediation Objectives					Sample ID - Depth (ft)								
Parameter	ING-IC	INH-IC	ING-CW	INH-CW	Soil Comp. Groundwater	B1 10	B2 8	B3 10	B4 6	B5 6	B7 4	B8 3	B10 4	B11 8
Acenaphthene	120,000,000	NRO	120,000,000	NRO	570,000	U	U	U	U	U	U	U	U	U
Acenaphthylene	NRO	NRO	NRO	NRO	NRO	U	U	U	U	U	U	U	U	U
Anthracene	610,000,000	NRO	610,000,000	NRO	12,000,000	U	U	U	U	U	U	U	U	U
Benzo(a)anthracene	8,000	NRO	170,000	NRO	2,000	U	U	U	U	U	U	U	U	U
Benzo(a)pyrene	800	NRO	17,000	NRO	8,000	U	U	U	U	U	U	38.1	U	U
Benzo(b)fluoranthene	8,000	NRO	170,000	NRO	5,000	U	U	U	U	U	U	U	U	U
Benzo(g,h,i)perylene	NRO	NRO	NRO	NRO	NRO	U	U	U	U	U	U	U	U	U
Benzo(k)fluoranthene	78,000	NRO	1,700,000	NRO	49,000	U	U	U	U	U	U	U	U	U
Chrysene	780,000	NRO	17,000,000	NRO	160,000	U	U	U	U	U	U	U	U	U
Dibenz(a,h)anthracene	800	NRO	17,000	NRO	2,000	U	U	U	U	U	U	U	U	U
Fluoranthene	82,000,000	NRO	82,000,000	NRO	4,300,000	U	U	U	U	U	U	U	U	U
Fluorene	82,000,000	NRO	82,000,000	NRO	560,000	U	U	U	U	U	U	U	U	U
Indeno(1,2,3-cd)pyrene	8,000	NRO	170,000	NRO	14,000	U	U	U	U	U	U	U	U	U
Naphthalene	41,000,000	270,000	4,100,000	1,800	12,000	U	U	U	U	U	U	U	U	U
Phenanthrene	NRO	NRO	NRO	NRO	NRO	U	U	U	U	U	U	U	U	U
Pyrene	61,000,000	NRO	61,000,000	NRO	4,200,000	U	U	U	U	U	U	U	U	U

All results in ug/kg (ppb)
U = below detection limit
Remediation objectives per 35 IAC 742 Appx B, Table B
NRO = No Remediation Objective established
Results exceeding objective are bold and shaded.
ING = Ingestion
INH = Inhalation
IC = Industrial/commercial
CW = Construction Worker

Urbana Goodyear
202 S. Vine St., Urbana, IL
HDC Project 10022
PNA Soil Results

	Tier 1 Industrial/Commercial Remediation Objectives					Sample ID - Depth (ft)		
Parameter	ING-IC	INH-IC	ING-CW	INH-CW	Soil Comp. Groundwater	B12 8	B13 6	B14 8
Acenaphthene	120,000,000	NRO	120,000,000	NRO	570,000	U	U	U
Acenaphthylene	NRO	NRO	NRO	NRO	NRO	U	U	U
Anthracene	610,000,000	NRO	610,000,000	NRO	12,000,000	U	U	U
Benzo(a)anthracene	8,000	NRO	170,000	NRO	2,000	U	U	U
Benzo(a)pyrene	800	NRO	17,000	NRO	8,000	U	U	U
Benzo(b)fluoranthene	8,000	NRO	170,000	NRO	5,000	U	U	U
Benzo(g,h,i)perylene	NRO	NRO	NRO	NRO	NRO	U	U	U
Benzo(k)fluoranthene	78,000	NRO	1,700,000	NRO	49,000	U	U	U
Chrysene	780,000	NRO	17,000,000	NRO	160,000	U	U	U
Dibenz(a,h)anthracene	800	NRO	17,000	NRO	2,000	U	U	U
Fluoranthene	82,000,000	NRO	82,000,000	NRO	4,300,000	U	U	U
Fluorene	82,000,000	NRO	82,000,000	NRO	560,000	U	U	U
Indeno(1,2,3-cd)pyrene	8,000	NRO	170,000	NRO	14,000	U	U	U
Naphthalene	41,000,000	270,000	4,100,000	1,800	12,000	U	U	U
Phenanthrene	NRO	NRO	NRO	NRO	NRO	U	U	U
Pyrene	61,000,000	NRO	61,000,000	NRO	4,200,000	U	U	U

All results in ug/kg (ppb)
U = below detection limit
Remediation objectives per 35 IAC 742 Appx B, Table B
NRO = No Remediation Objective established
Results exceeding objective are bold and shaded.
ING = Ingestion
INH = Inhalation
IC = Industrial/commercial
CW = Construction Worker

Urbana Goodyear
202 S. Vine St., Urbana, IL
HDC Project 10022
PNA Soil Results

	Tier 1 Residential Remediation Objectives			Sample ID - Depth (ft)											
				B1	B2	B3	B4	B5	B7	B8	B10	B11	B12	B13	B14
Parameter	Ingestion	Inhalation	Soil Comp. Groundwater	10	8	10	6	6	4	3	4	8	8	6	8
Acenaphthene	4,700,000	NRO	570,000	U	U	U	U	U	U	U	U	U	U	U	U
Acenaphthylene	NRO	NRO	NRO	U	U	U	U	U	U	U	U	U	U	U	U
Anthracene	23,000,000	NRO	12,000,000	U	U	U	U	U	U	U	U	U	U	U	U
Benzo(a)anthracene	900	NRO	2,000	U	U	U	U	U	U	U	U	U	U	U	U
Benzo(a)pyrene	90	NRO	8,000	U	U	U	U	U	U	38.1	U	U	U	U	U
Benzo(b)fluoranthene	900	NRO	5,000	U	U	U	U	U	U	U	U	U	U	U	U
Benzo(g,h,i)perylene	NRO	NRO	NRO	U	U	U	U	U	U	U	U	U	U	U	U
Benzo(k)fluoranthene	9,000	NRO	49,000	U	U	U	U	U	U	U	U	U	U	U	U
Chrysene	88,000	NRO	160,000	U	U	U	U	U	U	U	U	U	U	U	U
Dibenz(a,h)anthracene	90	NRO	2,000	U	U	U	U	U	U	U	U	U	U	U	U
Fluoranthene	3,100,000	NRO	4,300,000	U	U	U	U	U	U	U	U	U	U	U	U
Fluorene	3,100,000	NRO	560,000	U	U	U	U	U	U	U	U	U	U	U	U
Indeno(1,2,3-cd)pyrene	900	NRO	14,000	U	U	U	U	U	U	U	U	U	U	U	U
Naphthalene	1,600,000	170,000	12,000	U	U	U	U	U	U	U	U	U	U	U	U
Phenanthrene	NRO	NRO	NRO	U	U	U	U	U	U	U	U	U	U	U	U
Pyrene	2,300,000	NRO	4,200,000	U	U	U	U	U	U	U	U	U	U	U	U

All results in ug/kg (ppb)
U = below detection limit
Remediation objectives per 35 IAC 742 Appx B, Table A
NRO = No Remediation Objective established
Results exceeding objective are bold and shaded.

Prairie Analytical Systems, INCORPORATED

Friday, May 14, 2010

Mr. Kevin Saylor

HDC Engineering, LLC
201 West Springfield Ave. 11th Floor
Champaign, IL 61820-0140

TEL: (217) 352-6976

FAX: NA

RE: Urbana Goodyear

PAS WO: 10E0060

Prairie Analytical Systems, Inc. received 15 sample(s) on 5/5/2010 for the analyses presented in the following report.

All applicable quality control procedures met method specific acceptance criteria unless otherwise noted.

This report shall not be reproduced, except in full, without the prior written consent of Prairie Analytical Systems, Inc.

If you have any questions, please feel free to contact me at (217) 753-1148.

Respectfully submitted,

Michael D. Brophy
Project Manager

Certifications: NELAP/NELAC - IL #100323

Prairie Analytical Systems, Inc. Date: 5/14/2010

LABORATORY RESULTS

Client: HDC Engineering, LLC
Project: Urbana Goodyear
Client Sample ID: B5b-3
Collection Date: 5/4/10 0:00

Lab Order: 10E0060
Lab ID: 10E0060-01
Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Volatile Organic Compounds by GC-MS									
*Acetone	U	47.0		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
***Benzene**	**4.95**	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*Bromobenzene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*Bromochloromethane	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*Bromodichloromethane	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*Bromoform	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*Bromomethane	U	9.40		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*2-Butanone	U	9.40		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
***n-Butylbenzene**	**57.9**	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
***sec-Butylbenzene**	**14.2**	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*tert-Butylbenzene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*Carbon disulfide	U	9.40		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*Carbon tetrachloride	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*Chlorobenzene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*Chloroethane	U	9.40		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*Chloroform	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*Chloromethane	U	9.40		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*2-Chlorotoluene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*4-Chlorotoluene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*Dibromochloromethane	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*Dibromomethane	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*1,2-Dichlorobenzene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*1,3-Dichlorobenzene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*1,4-Dichlorobenzene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*Dichlorodifluoromethane	U	9.40		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*1,1-Dichloroethane	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*1,2-Dichloroethane	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*1,1-Dichloroethene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*cis-1,2-Dichloroethene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*trans-1,2-Dichloroethene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*1,2-Dichloropropane	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*1,3-Dichloropropane	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*2,2-Dichloropropane	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*1,1-Dichloropropene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*cis-1,3-Dichloropropene	U	2.82		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*trans-1,3-Dichloropropene	U	2.82		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
***Ethylbenzene**	**25.7**	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*Hexachlorobutadiene	U	9.40		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*2-Hexanone	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*Isopropylbenzene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
***p-Isopropyltoluene**	**9.52**	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*Methyl tert-butyl ether	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*4-Methyl-2-pentanone	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*Methylene chloride	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*Naphthalene	U	11.3		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
***n-Propylbenzene**	**6.20**	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*Styrene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*1,1,1,2-Tetrachloroethane	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*1,1,2,2-Tetrachloroethane	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP

Prairie Analytical Systems, Inc. **Date:** 5/14/2010

LABORATORY RESULTS

Client: HDC Engineering, LLC
Project: Urbana Goodyear **Lab Order:** 10E0060
Client Sample ID: B5b-3 **Lab ID:** 10E0060-01
Collection Date: 5/4/10 0:00 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
***Toluene**	**34.7**	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*1,2,3-Trichlorobenzene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*1,2,4-Trichlorobenzene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*1,1,1-Trichloroethane	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*1,1,2-Trichloroethane	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
***Trichloroethene**	**6.06**	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*Trichlorofluoromethane	U	9.40		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*1,2,3-Trichloropropane	U	1.88		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
***1,2,4-Trimethylbenzene**	**40.3**	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
***1,3,5-Trimethylbenzene**	**26.4**	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*Vinyl acetate	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
*Vinyl chloride	U	7.05		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
***Xylenes (total)**	**91.4**	14.1		µg/Kg dry	1	5/6/10 14:09	5/7/10 16:54	SW 8260B	BDP
Conventional Chemistry Parameters									
Percent Solids	**97.3**	0.0100		%	1	5/11/10 10:45	5/11/10 15:50	ASTM D2216	RMN

Prairie Analytical Systems, Inc. **Date:** 5/14/2010

LABORATORY RESULTS

Client: HDC Engineering, LLC
Project: Urbana Goodyear **Lab Order:** 10E0060
Client Sample ID: B5b-8 **Lab ID:** 10E0060-02
Collection Date: 5/4/10 0:00 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Volatile Organic Compounds by GC-MS									
*Acetone	U	38.3		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*Benzene	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*Bromobenzene	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*Bromochloromethane	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*Bromodichloromethane	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*Bromoform	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*Bromomethane	U	7.67		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*2-Butanone	U	7.67		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*n-Butylbenzene	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*sec-Butylbenzene	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*tert-Butylbenzene	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*Carbon disulfide	U	7.67		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*Carbon tetrachloride	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*Chlorobenzene	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*Chloroethane	U	7.67		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*Chloroform	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*Chloromethane	U	7.67		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*2-Chlorotoluene	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*4-Chlorotoluene	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*Dibromochloromethane	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*Dibromomethane	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*1,2-Dichlorobenzene	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*1,3-Dichlorobenzene	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*1,4-Dichlorobenzene	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*Dichlorodifluoromethane	U	7.67		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*1,1-Dichloroethane	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*1,2-Dichloroethane	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*1,1-Dichloroethene	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*cis-1,2-Dichloroethene	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*trans-1,2-Dichloroethene	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*1,2-Dichloropropane	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*1,3-Dichloropropane	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*2,2-Dichloropropane	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*1,1-Dichloropropene	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*cis-1,3-Dichloropropene	U	2.30		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*trans-1,3-Dichloropropene	U	2.30		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*Ethylbenzene	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*Hexachlorobutadiene	U	7.67		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*2-Hexanone	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*Isopropylbenzene	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*p-Isopropyltoluene	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*Methyl tert-butyl ether	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*4-Methyl-2-pentanone	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*Methylene chloride	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*Naphthalene	U	9.20		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*n-Propylbenzene	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*Styrene	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*1,1,1,2-Tetrachloroethane	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP
*1,1,2,2-Tetrachloroethane	U	3.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:23	SW 8260B	BDP

Prairie Analytical Systems, Inc. **Date:** 5/14/2010

LABORATORY RESULTS

Client: HDC Engineering, LLC
Project: Urbana Goodyear
Client Sample ID: B5b-8
Collection Date: 5/4/10 0.00

Lab Order: 10E0060
Lab ID: 10E0060-02
Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
*Tetrachloroethene	U	3 83		µg/Kg dry	1	5/6/10 14 09	5/7/10 17 23	SW 8260B	BDP
*Toluene	U	3 83		µg/Kg dry	1	5/6/10 14 09	5/7/10 17 23	SW 8260B	BDP
*1,2,3-Trichlorobenzene	U	3 83		µg/Kg dry	1	5/6/10 14 09	5/7/10 17 23	SW 8260B	BDP
*1,2,4-Trichlorobenzene	U	3 83		µg/Kg dry	1	5/6/10 14 09	5/7/10 17 23	SW 8260B	BDP
*1,1,1-Trichloroethane	U	3 83		µg/Kg dry	1	5/6/10 14 09	5/7/10 17 23	SW 8260B	BDP
*1,1,2-Trichloroethane	U	3 83		µg/Kg dry	1	5/6/10 14 09	5/7/10 17 23	SW 8260B	BDP
*Trichloroethene	U	3 83		µg/Kg dry	1	5/6/10 14 09	5/7/10 17 23	SW 8260B	BDP
*Trichlorofluoromethane	U	7 67		µg/Kg dry	1	5/6/10 14 09	5/7/10 17 23	SW 8260B	BDP
*1,2,3-Trichloropropane	U	1 53		µg/Kg dry	1	5/6/10 14 09	5/7/10 17 23	SW 8260B	BDP
*1,2,4-Trimethylbenzene	U	3 83		µg/Kg dry	1	5/6/10 14 09	5/7/10 17 23	SW 8260B	BDP
*1,3,5-Trimethylbenzene	U	3 83		µg/Kg dry	1	5/6/10 14 09	5/7/10 17 23	SW 8260B	BDP
*Vinyl acetate	U	3 83		µg/Kg dry	1	5/6/10 14 09	5/7/10 17 23	SW 8260B	BDP
*Vinyl chloride	U	5 75		µg/Kg dry	1	5/6/10 14 09	5/7/10 17 23	SW 8260B	BDP
*Xylenes (total)	U	11 5		µg/Kg dry	1	5/6/10 14 09	5/7/10 17 23	SW 8260B	BDP
Conventional Chemistry Parameters									
Percent Solids	87.4	0 0100		%	1	5/11/10 10 45	5/11/10 15 50	ASTM D2216	RMN

Prairie Analytical Systems, Inc. **Date:** 5/14/2010

LABORATORY RESULTS

Client: HDC Engineering, LLC
Project: Urbana Goodyear **Lab Order:** 10E0060
Client Sample ID: B5b-10 **Lab ID:** 10E0060-03
Collection Date: 5/4/10 0:00 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Volatile Organic Compounds by GC-MS									
*Acetone	U	47.0		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*Benzene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*Bromobenzene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*Bromochloromethane	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*Bromodichloromethane	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*Bromoform	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*Bromomethane	U	9.39		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*2-Butanone	U	9.39		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*n-Butylbenzene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*sec-Butylbenzene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*tert-Butylbenzene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*Carbon disulfide	U	9.39		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*Carbon tetrachloride	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*Chlorobenzene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*Chloroethane	U	9.39		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*Chloroform	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*Chloromethane	U	9.39		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*2-Chlorotoluene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*4-Chlorotoluene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*Dibromochloromethane	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*Dibromomethane	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*1,2-Dichlorobenzene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*1,3-Dichlorobenzene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*1,4-Dichlorobenzene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*Dichlorodifluoromethane	U	9.39		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*1,1-Dichloroethane	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*1,2-Dichloroethane	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*1,1-Dichloroethene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*cis-1,2-Dichloroethene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*trans-1,2-Dichloroethene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*1,2-Dichloropropane	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*1,3-Dichloropropane	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*2,2-Dichloropropane	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*1,1-Dichloropropene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*cis-1,3-Dichloropropene	U	2.82		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*trans-1,3-Dichloropropene	U	2.82		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*Ethylbenzene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*Hexachlorobutadiene	U	9.39		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*2-Hexanone	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*Isopropylbenzene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*p-Isopropyltoluene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*Methyl tert-butyl ether	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*4-Methyl-2-pentanone	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*Methylene chloride	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*Naphthalene	U	11.3		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*n-Propylbenzene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*Styrene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*1,1,1,2-Tetrachloroethane	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*1,1,2,2-Tetrachloroethane	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP

Prairie Analytical Systems, Inc. **Date:** 5/14/2010

LABORATORY RESULTS

Client: HDC Engineering, LLC
Project: Urbana Goodyear
Client Sample ID: B5b-10
Collection Date: 5/4/10 0:00

Lab Order: 10E0060
Lab ID: 10E0060-03
Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
*Tetrachloroethene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
***Toluene**	**6.05**	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*1,2,3-Trichlorobenzene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*1,2,4-Trichlorobenzene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*1,1,1-Trichloroethane	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*1,1,2-Trichloroethane	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*Trichloroethene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*Trichlorofluoromethane	U	9.39		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*1,2,3-Trichloropropane	U	1.88		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*1,2,4-Trimethylbenzene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*1,3,5-Trimethylbenzene	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*Vinyl acetate	U	4.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*Vinyl chloride	U	7.04		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
*Xylenes (total)	U	14.1		µg/Kg dry	1	5/6/10 14:09	5/7/10 17:52	SW 8260B	BDP
Conventional Chemistry Parameters									
Percent Solids	**88.6**	0.0100		%	1	5/11/10 10:45	5/11/10 15:50	ASTM D2216	RMN

Prairie Analytical Systems, Inc. **Date:** 5/14/2010

LABORATORY RESULTS

Client: HDC Engineering, LLC
Project: Urbana Goodyear **Lab Order:** 10E0060
Client Sample ID: B15-4 **Lab ID:** 10E0060-04
Collection Date: 5/4/10 0:00 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Volatile Organic Compounds by GC-MS									
*Acetone	U	50.3		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*Benzene	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*Bromobenzene	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*Bromochloromethane	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*Bromodichloromethane	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*Bromoform	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*Bromomethane	U	10.1		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*2-Butanone	U	10.1		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*n-Butylbenzene	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*sec-Butylbenzene	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*tert-Butylbenzene	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*Carbon disulfide	U	10.1		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*Carbon tetrachloride	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*Chlorobenzene	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*Chloroethane	U	10.1		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*Chloroform	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*Chloromethane	U	10.1		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*2-Chlorotoluene	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*4-Chlorotoluene	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*Dibromochloromethane	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*Dibromomethane	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*1,2-Dichlorobenzene	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*1,3-Dichlorobenzene	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*1,4-Dichlorobenzene	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*Dichlorodifluoromethane	U	10.1		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*1,1-Dichloroethane	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*1,2-Dichloroethane	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*1,1-Dichloroethene	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*cis-1,2-Dichloroethene	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*trans-1,2-Dichloroethene	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*1,2-Dichloropropane	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*1,3-Dichloropropane	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*2,2-Dichloropropane	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*1,1-Dichloropropene	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*cis-1,3-Dichloropropene	U	3.02		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*trans-1,3-Dichloropropene	U	3.02		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*Ethylbenzene	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*Hexachlorobutadiene	U	10.1		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*2-Hexanone	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*Isopropylbenzene	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*p-Isopropyltoluene	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*Methyl tert-butyl ether	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*4-Methyl-2-pentanone	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*Methylene chloride	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*Naphthalene	U	12.1		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*n-Propylbenzene	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*Styrene	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*1,1,1,2-Tetrachloroethane	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP
*1,1,2,2-Tetrachloroethane	U	5.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:21	SW 8260B	BDP

Prairie Analytical Systems, Inc. **Date:** 5/14/2010

LABORATORY RESULTS

Client: HDC Engineering, LLC
Project: Urbana Goodyear
Client Sample ID: B15-4
Collection Date: 5/4/10 0:00

Lab Order: 10E0060
Lab ID: 10E0060-04
Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
*Tetrachloroethene	U	5 03		µg/Kg dry	1	5/6/10 14 09	5/7/10 18 21	SW 8260B	BDP
*Toluene	U	5 03		µg/Kg dry	1	5/6/10 14 09	5/7/10 18 21	SW 8260B	BDP
*1,2,3-Trichlorobenzene	U	5 03		µg/Kg dry	1	5/6/10 14 09	5/7/10 18 21	SW 8260B	BDP
*1,2,4-Trichlorobenzene	U	5 03		µg/Kg dry	1	5/6/10 14 09	5/7/10 18 21	SW 8260B	BDP
*1,1,1-Trichloroethane	U	5 03		µg/Kg dry	1	5/6/10 14 09	5/7/10 18 21	SW 8260B	BDP
*1,1,2-Trichloroethane	U	5 03		µg/Kg dry	1	5/6/10 14 09	5/7/10 18 21	SW 8260B	BDP
*Trichloroethene	U	5 03		µg/Kg dry	1	5/6/10 14 09	5/7/10 18 21	SW 8260B	BDP
*Trichlorofluoromethane	U	10 1		µg/Kg dry	1	5/6/10 14 09	5/7/10 18 21	SW 8260B	BDP
*1,2,3-Trichloropropane	U	2 01		µg/Kg dry	1	5/6/10 14 09	5/7/10 18 21	SW 8260B	BDP
***1,2,4-Trimethylbenzene**	**6.45**	5 03		µg/Kg dry	1	5/6/10 14 09	5/7/10 18 21	SW 8260B	BDP
*1,3,5-Trimethylbenzene	U	5 03		µg/Kg dry	1	5/6/10 14 09	5/7/10 18 21	SW 8260B	BDP
*Vinyl acetate	U	5 03		µg/Kg dry	1	5/6/10 14 09	5/7/10 18 21	SW 8260B	BDP
*Vinyl chloride	U	7 54		µg/Kg dry	1	5/6/10 14 09	5/7/10 18 21	SW 8260B	BDP
*Xylenes (total)	U	15 1		µg/Kg dry	1	5/6/10 14 09	5/7/10 18 21	SW 8260B	BDP
Conventional Chemistry Parameters									
Percent Solids	**78.1**	0 0100		%	1	5/11/10 10 45	5/11/10 15 50	ASTM D2216	RMN

Prairie Analytical Systems, Inc. Date: 5/14/2010

LABORATORY RESULTS

Client: HDC Engineering, LLC
Project: Urbana Goodyear
Client Sample ID: B15-8
Collection Date: 5/4/10 0:00

Lab Order: 10E0060
Lab ID: 10E0060-05
Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Volatile Organic Compounds by GC-MS									
*Acetone	U	43.7		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*Benzene	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*Bromobenzene	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*Bromochloromethane	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*Bromodichloromethane	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*Bromoform	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*Bromomethane	U	8.74		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*2-Butanone	U	8.74		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*n-Butylbenzene	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*sec-Butylbenzene	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*tert-Butylbenzene	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*Carbon disulfide	U	8.74		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*Carbon tetrachloride	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*Chlorobenzene	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*Chloroethane	U	8.74		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*Chloroform	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*Chloromethane	U	8.74		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*2-Chlorotoluene	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*4-Chlorotoluene	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*Dibromochloromethane	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*Dibromomethane	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*1,2-Dichlorobenzene	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*1,3-Dichlorobenzene	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*1,4-Dichlorobenzene	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*Dichlorodifluoromethane	U	8.74		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*1,1-Dichloroethane	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*1,2-Dichloroethane	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*1,1-Dichloroethene	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*cis-1,2-Dichloroethene	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*trans-1,2-Dichloroethene	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*1,2-Dichloropropane	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*1,3-Dichloropropane	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*2,2-Dichloropropane	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*1,1-Dichloropropene	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*cis-1,3-Dichloropropene	U	2.62		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*trans-1,3-Dichloropropene	U	2.62		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*Ethylbenzene	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*Hexachlorobutadiene	U	8.74		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*2-Hexanone	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*Isopropylbenzene	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*p-Isopropyltoluene	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*Methyl tert-butyl ether	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*4-Methyl-2-pentanone	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*Methylene chloride	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*Naphthalene	U	10.5		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*n-Propylbenzene	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*Styrene	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*1,1,1,2-Tetrachloroethane	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*1,1,2,2-Tetrachloroethane	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP

Prairie Analytical Systems, Inc. **Date:** 5/14/2010

LABORATORY RESULTS

Client: HDC Engineering, LLC
Project: Urbana Goodyear **Lab Order:** 10E0060
Client Sample ID: B15-8 **Lab ID:** 10E0060-05
Collection Date: 5/4/10 0:00 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
*Tetrachloroethene	4.70	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*Toluene	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*1,2,3-Trichlorobenzene	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*1,2,4-Trichlorobenzene	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*1,1,1-Trichloroethane	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*1,1,2-Trichloroethane	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*Trichloroethene	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*Trichlorofluoromethane	U	8.74		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*1,2,3-Trichloropropane	U	1.75		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*1,2,4-Trimethylbenzene	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*1,3,5-Trimethylbenzene	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*Vinyl acetate	U	4.37		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*Vinyl chloride	U	6.56		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
*Xylenes (total)	U	13.1		µg/Kg dry	1	5/6/10 14:09	5/7/10 18:50	SW 8260B	BDP
Conventional Chemistry Parameters									
Percent Solids	**83.6**	0.0100		%	1	5/11/10 10:45	5/11/10 15:50	ASTM D2216	RMN

Prairie Analytical Systems, Inc. Date: 5/14/2010

LABORATORY RESULTS

Client: HDC Engineering, LLC
Project: Urbana Goodyear
Client Sample ID: B15-12
Collection Date: 5/4/10 0:00

Lab Order: 10E0060
Lab ID: 10E0060-06
Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Volatile Organic Compounds by GC-MS									
*Acetone	U	41 6		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*Benzene	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*Bromobenzene	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*Bromochloromethane	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*Bromodichloromethane	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*Bromoform	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*Bromomethane	U	8 33		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*2-Butanone	U	8 33		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*n-Butylbenzene	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*sec-Butylbenzene	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*tert-Butylbenzene	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*Carbon disulfide	U	8 33		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*Carbon tetrachloride	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*Chlorobenzene	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*Chloroethane	U	8 33		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*Chloroform	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*Chloromethane	U	8 33		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*2-Chlorotoluene	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*4-Chlorotoluene	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*Dibromochloromethane	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*Dibromomethane	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*1,2-Dichlorobenzene	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*1,3-Dichlorobenzene	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*1,4-Dichlorobenzene	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*Dichlorodifluoromethane	U	8 33		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*1,1-Dichloroethane	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*1,2-Dichloroethane	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*1,1-Dichloroethene	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*cis-1,2-Dichloroethene	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*trans-1,2-Dichloroethene	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*1,2-Dichloropropane	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*1,3-Dichloropropane	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*2,2-Dichloropropane	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*1,1-Dichloropropene	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*cis-1,3-Dichloropropene	U	2 50		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*trans-1,3-Dichloropropene	U	2 50		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*Ethylbenzene	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*Hexachlorobutadiene	U	8 33		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*2-Hexanone	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*Isopropylbenzene	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*p-Isopropyltoluene	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*Methyl tert-butyl ether	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*4-Methyl-2-pentanone	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*Methylene chloride	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*Naphthalene	U	9 99		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*n-Propylbenzene	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*Styrene	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*1,1,1,2-Tetrachloroethane	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*1,1,2,2-Tetrachloroethane	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP

Prairie Analytical Systems, Inc. **Date:** 5/14/2010

LABORATORY RESULTS

Client: HDC Engineering, LLC
Project: Urbana Goodyear
Client Sample ID: B15-12
Collection Date: 5/4/10 0:00

Lab Order: 10E0060
Lab ID: 10E0060-06
Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
*Tetrachloroethene	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
***Toluene**	**4.21**	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*1,2,3-Trichlorobenzene	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*1,2,4-Trichlorobenzene	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*1,1,1-Trichloroethane	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*1,1,2-Trichloroethane	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*Trichloroethene	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*Trichlorofluoromethane	U	8 33		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*1,2,3-Trichloropropane	U	1 67		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*1,2,4-Trimethylbenzene	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*1,3,5-Trimethylbenzene	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*Vinyl acetate	U	4 16		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*Vinyl chloride	U	6 25		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
*Xylenes (total)	U	12 5		µg/Kg dry	1	5/6/10 14 09	5/7/10 19 18	SW 8260B	BDP
Conventional Chemistry Parameters									
Percent Solids	**87.8**	0.0100		%	1	5/11/10 10 45	5/11/10 15 50	ASTM D2216	RMN

Prairie Analytical Systems, Inc. Date: 5/14/2010

LABORATORY RESULTS

Client: HDC Engineering, LLC
Project: Urbana Goodyear
Client Sample ID: B16-5
Collection Date: 5/4/10 0:00

Lab Order: 10E0060
Lab ID: 10E0060-07
Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Volatile Organic Compounds by GC-MS									
*Acetone	U	45.5		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*Benzene	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*Bromobenzene	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*Bromochloromethane	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*Bromodichloromethane	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*Bromoform	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*Bromomethane	U	9.10		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*2-Butanone	U	9.10		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*n-Butylbenzene	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*sec-Butylbenzene	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*tert-Butylbenzene	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*Carbon disulfide	U	9.10		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*Carbon tetrachloride	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*Chlorobenzene	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*Chloroethane	U	9.10		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*Chloroform	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*Chloromethane	U	9.10		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*2-Chlorotoluene	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*4-Chlorotoluene	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*Dibromochloromethane	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*Dibromomethane	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*1,2-Dichlorobenzene	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*1,3-Dichlorobenzene	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*1,4-Dichlorobenzene	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*Dichlorodifluoromethane	U	9.10		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*1,1-Dichloroethane	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*1,2-Dichloroethane	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*1,1-Dichloroethene	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*cis-1,2-Dichloroethene	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*trans-1,2-Dichloroethene	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*1,2-Dichloropropane	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*1,3-Dichloropropane	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*2,2-Dichloropropane	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*1,1-Dichloropropene	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*cis-1,3-Dichloropropene	U	2.73		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*trans-1,3-Dichloropropene	U	2.73		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*Ethylbenzene	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*Hexachlorobutadiene	U	9.10		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*2-Hexanone	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*Isopropylbenzene	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*p-Isopropyltoluene	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*Methyl tert-butyl ether	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*4-Methyl-2-pentanone	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*Methylene chloride	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*Naphthalene	U	10.9		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*n-Propylbenzene	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*Styrene	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*1,1,1,2-Tetrachloroethane	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*1,1,2,2-Tetrachloroethane	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP

Prairie Analytical Systems, Inc. **Date:** 5/14/2010

LABORATORY RESULTS

Client: HDC Engineering, LLC
Project: Urbana Goodyear **Lab Order:** 10E0060
Client Sample ID: B16-5 **Lab ID:** 10E0060-07
Collection Date: 5/4/10 0:00 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
*Tetrachloroethene	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*Toluene	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*1,2,3-Trichlorobenzene	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*1,2,4-Trichlorobenzene	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*1,1,1-Trichloroethane	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*1,1,2-Trichloroethane	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*Trichloroethene	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*Trichlorofluoromethane	U	9.10		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*1,2,3-Trichloropropane	U	1.82		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*1,2,4-Trimethylbenzene	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*1,3,5-Trimethylbenzene	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*Vinyl acetate	U	4.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*Vinyl chloride	U	6.83		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
*Xylenes (total)	U	13.7		µg/Kg dry	1	5/6/10 14:09	5/7/10 19:47	SW 8260B	BDP
Conventional Chemistry Parameters									
Percent Solids	82.6	0.0100		%	1	5/11/10 10:45	5/11/10 15:50	ASTM D2216	RMN

Prairie Analytical Systems, Inc. **Date:** 5/14/2010

LABORATORY RESULTS

Client: HDC Engineering, LLC
Project: Urbana Goodyear **Lab Order:** 10E0060
Client Sample ID: B16-8 **Lab ID:** 10E0060-08
Collection Date: 5/4/10 0:00 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Volatile Organic Compounds by GC-MS									
*Acetone	U	42.4		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*Benzene	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*Bromobenzene	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*Bromochloromethane	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*Bromodichloromethane	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*Bromoform	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*Bromomethane	U	8.49		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*2-Butanone	U	8.49		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*n-Butylbenzene	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*sec-Butylbenzene	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*tert-Butylbenzene	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*Carbon disulfide	U	8.49		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*Carbon tetrachloride	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*Chlorobenzene	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*Chloroethane	U	8.49		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*Chloroform	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*Chloromethane	U	8.49		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*2-Chlorotoluene	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*4-Chlorotoluene	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*Dibromochloromethane	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*Dibromomethane	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*1,2-Dichlorobenzene	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*1,3-Dichlorobenzene	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*1,4-Dichlorobenzene	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*Dichlorodifluoromethane	U	8.49		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*1,1-Dichloroethane	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*1,2-Dichloroethane	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*1,1-Dichloroethene	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*cis-1,2-Dichloroethene	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*trans-1,2-Dichloroethene	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*1,2-Dichloropropane	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*1,3-Dichloropropane	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*2,2-Dichloropropane	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*1,1-Dichloropropene	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*cis-1,3-Dichloropropene	U	2.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*trans-1,3-Dichloropropene	U	2.55		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*Ethylbenzene	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*Hexachlorobutadiene	U	8.49		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*2-Hexanone	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*Isopropylbenzene	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*p-Isopropyltoluene	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*Methyl tert-butyl ether	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*4-Methyl-2-pentanone	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*Methylene chloride	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*Naphthalene	U	10.2		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*n-Propylbenzene	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*Styrene	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*1,1,1,2-Tetrachloroethane	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*1,1,2,2-Tetrachloroethane	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP

Prairie Analytical Systems, Inc. **Date:** 5/14/2010

LABORATORY RESULTS

Client: HDC Engineering, LLC
Project: Urbana Goodyear
Client Sample ID: B16-8
Collection Date: 5/4/10 0:00

Lab Order: 10E0060
Lab ID: 10E0060-08
Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
*Tetrachloroethene	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
***Toluene**	**6.22**	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*1,2,3-Trichlorobenzene	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*1,2,4-Trichlorobenzene	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*1,1,1-Trichloroethane	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*1,1,2-Trichloroethane	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*Trichloroethene	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*Trichlorofluoromethane	U	8.49		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*1,2,3-Trichloropropane	U	1.70		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*1,2,4-Trimethylbenzene	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*1,3,5-Trimethylbenzene	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*Vinyl acetate	U	4.24		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*Vinyl chloride	U	6.36		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
*Xylenes (total)	U	12.7		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:16	SW 8260B	BDP
Conventional Chemistry Parameters									
Percent Solids	**87.3**	0.0100		%	1	5/11/10 10:45	5/11/10 15:50	ASTM D2216	RMN

Prairie Analytical Systems, Inc. **Date:** 5/14/2010

LABORATORY RESULTS

Client: HDC Engineering, LLC
Project: Urbana Goodyear **Lab Order:** 10E0060
Client Sample ID: B16-12 **Lab ID:** 10E0060-09
Collection Date: 5/4/10 0:00 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Volatile Organic Compounds by GC-MS									
*Acetone	U	40.3		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*Benzene	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*Bromobenzene	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*Bromochloromethane	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*Bromodichloromethane	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*Bromoform	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*Bromomethane	U	8.07		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*2-Butanone	U	8.07		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*n-Butylbenzene	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*sec-Butylbenzene	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*tert-Butylbenzene	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*Carbon disulfide	U	8.07		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*Carbon tetrachloride	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*Chlorobenzene	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*Chloroethane	U	8.07		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*Chloroform	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*Chloromethane	U	8.07		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*2-Chlorotoluene	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*4-Chlorotoluene	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*Dibromochloromethane	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*Dibromomethane	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*1,2-Dichlorobenzene	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*1,3-Dichlorobenzene	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*1,4-Dichlorobenzene	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*Dichlorodifluoromethane	U	8.07		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*1,1-Dichloroethane	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*1,2-Dichloroethane	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*1,1-Dichloroethene	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*cis-1,2-Dichloroethene	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*trans-1,2-Dichloroethene	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*1,2-Dichloropropane	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*1,3-Dichloropropane	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*2,2-Dichloropropane	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*1,1-Dichloropropene	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*cis-1,3-Dichloropropene	U	2.42		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*trans-1,3-Dichloropropene	U	2.42		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*Ethylbenzene	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*Hexachlorobutadiene	U	8.07		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*2-Hexanone	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*Isopropylbenzene	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*p-Isopropyltoluene	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*Methyl tert-butyl ether	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*4-Methyl-2-pentanone	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*Methylene chloride	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*Naphthalene	U	9.68		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*n-Propylbenzene	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*Styrene	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*1,1,1,2-Tetrachloroethane	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP
*1,1,2,2-Tetrachloroethane	U	4.03		µg/Kg dry	1	5/6/10 14:09	5/7/10 20:44	SW 8260B	BDP

Prairie Analytical Systems, Inc. **Date:** 5/14/2010

LABORATORY RESULTS

Client: HDC Engineering, LLC
Project: Urbana Goodyear **Lab Order:** 10E0060
Client Sample ID: B16-12 **Lab ID:** 10E0060-09
Collection Date: 5/4/10 0:00 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
*Tetrachloroethene	U	4 03		µg/Kg dry	1	5/6/10 14 09	5/7/10 20 44	SW 8260B	BDP
***Toluene**	**6.07**	4 03		µg/Kg dry	1	5/6/10 14 09	5/7/10 20 44	SW 8260B	BDP
*1,2,3-Trichlorobenzene	U	4 03		µg/Kg dry	1	5/6/10 14 09	5/7/10 20 44	SW 8260B	BDP
*1,2,4-Trichlorobenzene	U	4 03		µg/Kg dry	1	5/6/10 14 09	5/7/10 20 44	SW 8260B	BDP
*1,1,1-Trichloroethane	U	4 03		µg/Kg dry	1	5/6/10 14 09	5/7/10 20 44	SW 8260B	BDP
*1,1,2-Trichloroethane	U	4 03		µg/Kg dry	1	5/6/10 14 09	5/7/10 20 44	SW 8260B	BDP
*Trichloroethene	U	4 03		µg/Kg dry	1	5/6/10 14 09	5/7/10 20 44	SW 8260B	BDP
*Trichlorofluoromethane	U	8 07		µg/Kg dry	1	5/6/10 14 09	5/7/10 20 44	SW 8260B	BDP
*1,2,3-Trichloropropane	U	1 61		µg/Kg dry	1	5/6/10 14 09	5/7/10 20 44	SW 8260B	BDP
*1,2,4-Trimethylbenzene	U	4 03		µg/Kg dry	1	5/6/10 14 09	5/7/10 20 44	SW 8260B	BDP
*1,3,5-Trimethylbenzene	U	4 03		µg/Kg dry	1	5/6/10 14 09	5/7/10 20 44	SW 8260B	BDP
*Vinyl acetate	U	4 03		µg/Kg dry	1	5/6/10 14 09	5/7/10 20 44	SW 8260B	BDP
*Vinyl chloride	U	6 05		µg/Kg dry	1	5/6/10 14 09	5/7/10 20 44	SW 8260B	BDP
*Xylenes (total)	U	12 1		µg/Kg dry	1	5/6/10 14 09	5/7/10 20 44	SW 8260B	BDP
Conventional Chemistry Parameters									
Percent Solids	**87.3**	0 0100		%	1	5/11/10 10 45	5/11/10 15 50	ASTM D2216	RMN

Prairie Analytical Systems, Inc. **Date:** 5/14/2010

LABORATORY RESULTS

Client: HDC Engineering, LLC
Project: Urbana Goodyear **Lab Order:** 10E0060
Client Sample ID: B8b-5 **Lab ID:** 10E0060-10
Collection Date: 5/3/10 0:00 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Arsenic	9.91	0.598		mg/Kg dry	2	5/10/10 10:30	5/14/10 1:32	SW 6020A	JTC
*Barium	110	0.598		mg/Kg dry	2	5/10/10 10:30	5/14/10 1:32	SW 6020A	JTC
*Cadmium	U	0.598		mg/Kg dry	2	5/10/10 10:30	5/14/10 1:32	SW 6020A	JTC
*Chromium	27.0	0.598		mg/Kg dry	2	5/10/10 10:30	5/14/10 1:32	SW 6020A	JTC
*Lead	11.5	0.598		mg/Kg dry	2	5/10/10 10:30	5/14/10 1:32	SW 6020A	JTC
*Mercury	U	0.120		mg/Kg dry	2	5/10/10 10:30	5/14/10 1:32	SW 6020A	JTC
*Selenium	0.621	0.598		mg/Kg dry	2	5/10/10 10:30	5/14/10 1:32	SW 6020A	JTC
*Silver	U	0.598		mg/Kg dry	2	5/10/10 10:30	5/14/10 1:32	SW 6020A	JTC
Conventional Chemistry Parameters									
*pH	7.42	0.0100		pH Units	1	5/13/10 9:00	5/13/10 12:53	SW 9045C	ARR
Percent Solids	82.1	0.0100		%	1	5/11/10 10:45	5/11/10 15:50	ASTM D2216	RMN

Prairie Analytical Systems, Inc. Date: 5/14/2010

LABORATORY RESULTS

Client: HDC Engineering, LLC
Project: Urbana Goodyear
Client Sample ID: B8b-8
Collection Date: 5/3/10 0:00

Lab Order: 10E0060
Lab ID: 10E0060-11
Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
***Arsenic**	**5.57**	0.532		mg/Kg dry	2	5/10/10 10:30	5/14/10 1:40	SW 6020A	JTC
***Barium**	**32.3**	0.532		mg/Kg dry	2	5/10/10 10:30	5/14/10 1:40	SW 6020A	JTC
*Cadmium	U	0.532		mg/Kg dry	2	5/10/10 10:30	5/14/10 1:40	SW 6020A	JTC
***Chromium**	**20.2**	0.532		mg/Kg dry	2	5/10/10 10:30	5/14/10 1:40	SW 6020A	JTC
***Lead**	**11.2**	0.532		mg/Kg dry	2	5/10/10 10:30	5/14/10 1:40	SW 6020A	JTC
*Mercury	U	0.106		mg/Kg dry	2	5/10/10 10:30	5/14/10 1:40	SW 6020A	JTC
*Selenium	U	0.532		mg/Kg dry	2	5/10/10 10:30	5/14/10 1:40	SW 6020A	JTC
*Silver	U	0.532		mg/Kg dry	2	5/10/10 10:30	5/14/10 1:40	SW 6020A	JTC
Conventional Chemistry Parameters									
***pH**	**7.35**	0.0100		pH Units	1	5/13/10 9:00	5/13/10 12:56	SW 9045C	ARR
Percent Solids	**86.2**	0.0100		%	1	5/11/10 10:45	5/11/10 15:50	ASTM D2216	RMN

Prairie Analytical Systems, Inc. Date: 5/14/2010

LABORATORY RESULTS

Client: HDC Engineering, LLC
Project: Urbana Goodyear
Client Sample ID: B8b-12
Collection Date: 5/3/10 0:00

Lab Order: 10E0060
Lab ID: 10E0060-12
Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Arsenic	5.55	0.555		mg/Kg dry	2	5/10/10 10:30	5/14/10 1:48	SW 6020A	JTC
*Barium	20.2	0.555		mg/Kg dry	2	5/10/10 10:30	5/14/10 1:48	SW 6020A	JTC
*Cadmium	U	0.555		mg/Kg dry	2	5/10/10 10:30	5/14/10 1:48	SW 6020A	JTC
*Chromium	20.9	0.555		mg/Kg dry	2	5/10/10 10:30	5/14/10 1:48	SW 6020A	JTC
*Lead	13.6	0.555		mg/Kg dry	2	5/10/10 10:30	5/14/10 1:48	SW 6020A	JTC
*Mercury	U	0.111		mg/Kg dry	2	5/10/10 10:30	5/14/10 1:48	SW 6020A	JTC
*Selenium	U	0.555		mg/Kg dry	2	5/10/10 10:30	5/14/10 1:48	SW 6020A	JTC
*Silver	U	0.555		mg/Kg dry	2	5/10/10 10:30	5/14/10 1:48	SW 6020A	JTC
Conventional Chemistry Parameters									
*pH	7.87	0.0100		pH Units	1	5/13/10 9:00	5/13/10 12:59	SW 9045C	ARR
Percent Solids	88.1	0.0100		%	1	5/11/10 10:45	5/11/10 15:50	ASTM D2216	RMN

Prairie Analytical Systems, Inc. **Date:** 5/14/2010

LABORATORY RESULTS

Client: HDC Engineering, LLC
Project: Urbana Goodyear
Client Sample ID: B17-2
Collection Date: 5/3/10 0:00

Lab Order: 10E0060
Lab ID: 10E0060-13
Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
***Arsenic**	**8.59**	0.562		mg/Kg dry	2	5/10/10 10:30	5/14/10 1:56	SW 6020A	JTC
***Barium**	**71.0**	1.41		mg/Kg dry	5	5/10/10 10:30	5/14/10 10:15	SW 6020A	JTC
*Cadmium	U	0.562		mg/Kg dry	2	5/10/10 10:30	5/14/10 1:56	SW 6020A	JTC
***Chromium**	**28.2**	0.562		mg/Kg dry	2	5/10/10 10:30	5/14/10 1:56	SW 6020A	JTC
***Lead**	**99.4**	0.562		mg/Kg dry	2	5/10/10 10:30	5/14/10 1:56	SW 6020A	JTC
*Mercury	U	0.112		mg/Kg dry	2	5/10/10 10:30	5/14/10 1:56	SW 6020A	JTC
***Selenium**	**0.752**	0.562		mg/Kg dry	2	5/10/10 10:30	5/14/10 1:56	SW 6020A	JTC
*Silver	U	0.562		mg/Kg dry	2	5/10/10 10:30	5/14/10 1:56	SW 6020A	JTC
Conventional Chemistry Parameters									
***pH**	**7.49**	0.0100		pH Units	1	5/13/10 9:00	5/13/10 13:02	SW 9045C	ARR
Percent Solids	**84.9**	0.0100		%	1	5/11/10 10:45	5/11/10 15:50	ASTM D2216	RMN

Prairie Analytical Systems, Inc. **Date:** 5/14/2010

LABORATORY RESULTS

Client: HDC Engineering, LLC
Project: Urbana Goodyear **Lab Order:** 10E0060
Client Sample ID: B17-6 **Lab ID:** 10E0060-14
Collection Date: 5/3/10 0:00 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
***Arsenic**	**5.83**	0.547		mg/Kg dry	2	5/10/10 10:30	5/14/10 2:04	SW 6020A	JTC
***Barium**	**38.4**	0.547		mg/Kg dry	2	5/10/10 10:30	5/14/10 2:04	SW 6020A	JTC
*Cadmium	U	0.547		mg/Kg dry	2	5/10/10 10:30	5/14/10 2:04	SW 6020A	JTC
***Chromium**	**19.4**	0.547		mg/Kg dry	2	5/10/10 10:30	5/14/10 2:04	SW 6020A	JTC
***Lead**	**12.2**	0.547		mg/Kg dry	2	5/10/10 10:30	5/14/10 2:04	SW 6020A	JTC
*Mercury	U	0.109		mg/Kg dry	2	5/10/10 10:30	5/14/10 2:04	SW 6020A	JTC
*Selenium	U	0.547		mg/Kg dry	2	5/10/10 10:30	5/14/10 2:04	SW 6020A	JTC
*Silver	U	0.547		mg/Kg dry	2	5/10/10 10:30	5/14/10 2:04	SW 6020A	JTC
Conventional Chemistry Parameters									
***pH**	**7.10**	0.0100		pH Units	1	5/13/10 9:00	5/13/10 13:03	SW 9045C	ARR
Percent Solids	**87.0**	0.0100		%	1	5/11/10 10:45	5/11/10 15:50	ASTM D2216	RMN

Prairie Analytical Systems, Inc. **Date:** 5/14/2010

LABORATORY RESULTS

Client: HDC Engineering, LLC
Project: Urbana Goodyear
Client Sample ID: B17-12
Collection Date: 5/3/10 0:00

Lab Order: 10E0060
Lab ID: 10E0060-15
Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
***Arsenic**	**5.52**	0.559		mg/Kg dry	2	5/10/10 10:30	5/14/10 2:12	SW 6020A	JTC
***Barium**	**27.7**	0.559		mg/Kg dry	2	5/10/10 10:30	5/14/10 2:12	SW 6020A	JTC
*Cadmium	U	0.559		mg/Kg dry	2	5/10/10 10:30	5/14/10 2:12	SW 6020A	JTC
***Chromium**	**18.4**	0.559		mg/Kg dry	2	5/10/10 10:30	5/14/10 2:12	SW 6020A	JTC
***Lead**	**10.1**	0.559		mg/Kg dry	2	5/10/10 10:30	5/14/10 2:12	SW 6020A	JTC
*Mercury	U	0.112		mg/Kg dry	2	5/10/10 10:30	5/14/10 2:12	SW 6020A	JTC
*Selenium	U	0.559		mg/Kg dry	2	5/10/10 10:30	5/14/10 2:12	SW 6020A	JTC
*Silver	U	0.559		mg/Kg dry	2	5/10/10 10:30	5/14/10 2:12	SW 6020A	JTC
Conventional Chemistry Parameters									
***pH**	**8.14**	0.0100		pH Units	1	5/13/10 9:00	5/13/10 13:07	SW 9045C	ARR
Percent Solids	**87.1**	0.0100		%	1	5/11/10 10:45	5/11/10 15:50	ASTM D2216	RMN

Prairie Analytical Systems, Inc. **Date:** 5/14/2010

LABORATORY RESULTS

Client: HDC Engineering, LLC
Project: Urbana Goodyear **Lab Order:** 10E0060

Volatile Organic Compounds by GC-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch T001756 - SW 5035A VOA										
Blank (T001756-BLK1)				Prepared 05/06/2010 Analyzed 05/07/2010						
Acetone	U	50.0	µg/Kg wet							
Benzene	U	5.00	µg/Kg wet							
Bromobenzene	U	5.00	µg/Kg wet							
Bromochloromethane	U	5.00	µg/Kg wet							
Bromodichloromethane	U	5.00	µg/Kg wet							
Bromoform	U	5.00	µg/Kg wet							
Bromomethane	U	10.0	µg/Kg wet							
2-Butanone	U	10.0	µg/Kg wet							
n-Butylbenzene	U	5.00	µg/Kg wet							
sec-Butylbenzene	U	5.00	µg/Kg wet							
tert-Butylbenzene	U	5.00	µg/Kg wet							
Carbon disulfide	U	10.0	µg/Kg wet							
Carbon tetrachloride	U	5.00	µg/Kg wet							
Chlorobenzene	U	5.00	µg/Kg wet							
Chloroethane	U	10.0	µg/Kg wet							
Chloroform	U	5.00	µg/Kg wet							
Chloromethane	U	10.0	µg/Kg wet							
2-Chlorotoluene	U	5.00	µg/Kg wet							
4-Chlorotoluene	U	5.00	µg/Kg wet							
Dibromochloromethane	U	5.00	µg/Kg wet							
Dibromomethane	U	5.00	µg/Kg wet							
1,2-Dichlorobenzene	U	5.00	µg/Kg wet							
1,3-Dichlorobenzene	U	5.00	µg/Kg wet							
1,4-Dichlorobenzene	U	5.00	µg/Kg wet							
Dichlorodifluoromethane	U	10.0	µg/Kg wet							
1,1-Dichloroethane	U	5.00	µg/Kg wet							
1,2-Dichloroethane	U	5.00	µg/Kg wet							
1,1-Dichloroethene	U	5.00	µg/Kg wet							
cis-1,2-Dichloroethene	U	5.00	µg/Kg wet							
trans-1,2-Dichloroethene	U	5.00	µg/Kg wet							
1,2-Dichloropropane	U	5.00	µg/Kg wet							
1,3-Dichloropropane	U	5.00	µg/Kg wet							
2,2-Dichloropropane	U	5.00	µg/Kg wet							
1,1-Dichloropropene	U	5.00	µg/Kg wet							
cis-1,3-Dichloropropene	U	3.00	µg/Kg wet							
trans-1,3-Dichloropropene	U	3.00	µg/Kg wet							
Ethylbenzene	U	5.00	µg/Kg wet							
Hexachlorobutadiene	U	10.0	µg/Kg wet							
2-Hexanone	U	5.00	µg/Kg wet							
Isopropylbenzene	U	5.00	µg/Kg wet							
p-Isopropyltoluene	U	5.00	µg/Kg wet							
Methyl tert-butyl ether	U	5.00	µg/Kg wet							
4-Methyl-2-pentanone	U	5.00	µg/Kg wet							
Methylene chloride	U	5.00	µg/Kg wet							

Prairie Analytical Systems, Inc. **Date:** 5/14/2010

LABORATORY RESULTS

Client: HDC Engineering, LLC
Project: Urbana Goodyear **Lab Order:** 10E0060

Volatile Organic Compounds by GC-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch T001756 - SW 5035A VOA										
Blank (T001756-BLK1)				Prepared 05/06/2010 Analyzed 05/07/2010						
Naphthalene	U	12 0	µg/Kg wet							
n-Propylbenzene	U	5 00	µg/Kg wet							
Styrene	U	5 00	µg/Kg wet							
1,1,1,2-Tetrachloroethane	U	5 00	µg/Kg wet							
1,1,2,2-Tetrachloroethane	U	5 00	µg/Kg wet							
Tetrachloroethene	U	5 00	µg/Kg wet							
Toluene	U	5 00	µg/Kg wet							
1,2,3-Trichlorobenzene	U	5 00	µg/Kg wet							
1,2,4-Trichlorobenzene	U	5 00	µg/Kg wet							
1,1,1-Trichloroethane	U	5 00	µg/Kg wet							
1,1,2-Trichloroethane	U	5 00	µg/Kg wet							
Trichloroethene	U	5 00	µg/Kg wet							
Trichlorofluoromethane	U	10 0	µg/Kg wet							
1,2,3-Trichloropropane	U	2 00	µg/Kg wet							
1,2,4-Trimethylbenzene	U	5 00	µg/Kg wet							
1,3,5-Trimethylbenzene	U	5 00	µg/Kg wet							
Vinyl acetate	U	5 00	µg/Kg wet							
Vinyl chloride	U	7 50	µg/Kg wet							
Xylenes (total)	U	15 0	µg/Kg wet							
Surrogate: 4-Bromofluorobenzene	*47 6*		*µg/Kg wet*	*50 000*		*95*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*49 5*		*µg/Kg wet*	*50 000*		*99*	*75-119*			
Surrogate: Toluene-d8	*50 1*		*µg/Kg wet*	*50 000*		*100*	*78-114*			
LCS (T001756-BS1)				Prepared 05/06/2010 Analyzed 05/07/2010						
Benzene	55 7	5 00	µg/Kg wet	50 000		111	80-130			
Chlorobenzene	54 7	5 00	µg/Kg wet	50 000		109	85-120			
1,1-Dichloroethene	45 9	5 00	µg/Kg wet	50 000		92	70-130			
Ethylbenzene	53 7	5 00	µg/Kg wet	50 000		107	85-130			
Toluene	51 8	5 00	µg/Kg wet	50 000		104	80-130			
Trichloroethene	54 0	5 00	µg/Kg wet	50 000		108	75-130			
Xylenes (total)	162	15 0	µg/Kg wet	150 00		108	80-130			
Surrogate: 4-Bromofluorobenzene	*49 4*		*µg/Kg wet*	*50 000*		*99*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*48 0*		*µg/Kg wet*	*50 000*		*96*	*75-119*			
Surrogate: Toluene-d8	*49 4*		*µg/Kg wet*	*50 000*		*99*	*78-114*			

Prairie Analytical Systems, Inc. **Date:** 5/14/2010

LABORATORY RESULTS

Client: HDC Engineering, LLC
Project: Urbana Goodyear **Lab Order:** 10E0060

Metals by ICP-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch T001802 - SW 3005A Metals										
Blank (T001802-BLK1)				Prepared 05/10/2010 Analyzed 05/14/2010						
Arsenic	U	0.250	mg/Kg wet							
Barium	U	0.250	mg/Kg wet							
Cadmium	U	0.250	mg/Kg wet							
Chromium	U	0.250	mg/Kg wet							
Lead	U	0.250	mg/Kg wet							
Mercury	U	0.0500	mg/Kg wet							
Selenium	U	0.250	mg/Kg wet							
Silver	U	0.250	mg/Kg wet							
LCS (T001802-BS1)				Prepared 05/10/2010 Analyzed 05/14/2010						
Arsenic	20.9	0.250	mg/Kg wet	25.000		84	80-120			
Barium	26.6	0.250	mg/Kg wet	25.000		106	80-120			
Cadmium	25.7	0.250	mg/Kg wet	25.000		103	80-120			
Chromium	23.8	0.250	mg/Kg wet	25.000		95	80-120			
Lead	23.2	0.250	mg/Kg wet	25.000		93	80-120			
Mercury	0.840	0.0500	mg/Kg wet	1.0000		84	80-120			
Selenium	20.3	0.250	mg/Kg wet	25.000		81	80-120			
Silver	23.0	0.250	mg/Kg wet	25.000		92	80-120			
Matrix Spike (T001802-MS1)		Source: 10E0112-04		Prepared 05/10/2010 Analyzed 05/14/2010						
Arsenic	23.0	0.549	mg/Kg dry	27.432	1.59	78	75-125			
Barium	37.4	0.549	mg/Kg dry	27.432	8.42	106	75-125			
Cadmium	19.2	0.549	mg/Kg dry	27.432	ND	70	75-125			S
Chromium	31.5	0.549	mg/Kg dry	27.432	4.33	99	75-125			
Lead	25.9	0.549	mg/Kg dry	27.432	2.63	85	75-125			
Mercury	0.927	0.110	mg/Kg dry	1.0973	ND	84	75-125			
Selenium	20.2	0.549	mg/Kg dry	27.432	0.271	73	75-125			S
Silver	21.1	0.549	mg/Kg dry	27.432	ND	77	75-125			

Prairie Analytical Systems, Inc. **Date:** 5/14/2010

LABORATORY RESULTS

Client: HDC Engineering, LLC
Project: Urbana Goodyear **Lab Order:** 10E0060

Metals by ICP-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch T001802 - SW 3005A Metals										
Matrix Spike Dup (T001802-MSD1)		**Source: 10E0112-04**		Prepared 05/10/2010 Analyzed 05/14/2010						
Arsenic	25 3	0 579	mg/Kg dry	28 935	1 59	82	75-125	10	20	
Barium	41 2	0 579	mg/Kg dry	28 935	8.42	113	75-125	10	20	
Cadmium	21 3	0.579	mg/Kg dry	28.935	ND	74	75-125	11	20	S
Chromium	34 2	0 579	mg/Kg dry	28.935	4 33	103	75-125	8	20	
Lead	29 9	0 579	mg/Kg dry	28.935	2 63	94	75-125	14	20	
Mercury	1 06	0 116	mg/Kg dry	1 1574	ND	92	75-125	14	20	
Selenium	22 6	0 579	mg/Kg dry	28 935	0 271	77	75-125	11	20	S
Silver	24 8	0 579	mg/Kg dry	28 935	ND	86	75-125	16	20	

Prairie Analytical Systems, Inc. **Date:** 5/14/2010

LABORATORY RESULTS

Client: HDC Engineering, LLC
Project: Urbana Goodyear **Lab Order:** 10E0060

Conventional Chemistry Parameters - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch T001812 - ASTM D2216 Moisture										
Blank (T001812-BLK1)				Prepared & Analyzed 05/11/2010						
Percent Solids	U	0.0100	%							
Duplicate (T001812-DUP1)		Source: 10E0106-03		Prepared & Analyzed 05/11/2010						
Percent Solids	72.8	0.0100	%		72.9			0.1	20	
Batch T001870 - SW 9045C pH										
Duplicate (T001870-DUP1)		Source: 10E0130-01		Prepared & Analyzed 05/13/2010						
pH	7.76	0.0100	pH Units		7.79			0.5	15	

LABORATORY RESULTS

Client: HDC Engineering, LLC
Project: Urbana Goodyear **Lab Order:** 10E0060

Notes and Definitions

S	Spike recovery outside acceptance limits.
R	RPD outside acceptance limits.
*	NELAC certified compound.
U	Analyte not detected (i.e. less than RL or MDL).

Central IL- 1210 Capital Airport Drive - Springfield, IL 62707-8490 - Phone (217) 753-1148 - Facsimile (217) 753-1152
Chicago Office - PO Box 2116 - Crystal Lake, IL 60039-2116 - Phone (847) 651-2604 - Facsimile (847) 458-9680
www.prairieanalytical.com

Prairie Analytical Systems, INCORPORATED

Client	HDC Engineering
Address	201 West Springfield Avenue Suite 300
City, State Zip Code	Champaign IL 61820
Phone / Facsimile No.	217.352.6976 / 217.352.0570
Client Project	Urbana Goodyear
Location	
Sampler(s) / Phone	Bill Walsh / 217.369.8195
Turnaround Time	Standard [X] Rush [ ] Date Required:
P.O. # or Invoice To	10022
Contact Person	Kevin Saylor

Analysis and/or method Requested

Reporting: TACO ___ Resid ___ Ind/Comm; CALM ___ A ___ B ___ C; RISC ___ Resid ___ Indust

Sample Description	Sampling Date	Sampling Time	Matrix Code[1]	Total # of Containers	Sample Comp	Sample Grab	VOC	RCRA METALS	pH					Sampler Comments
B5b-3	5/4/10		S	4			✓							
B5b-8	5/4/10		S	4			✓							
B5b-10	5/4/10		S	4			✓							
B15-4	5/4/10		S	4			✓							
B15-8	5/4/10		S	4			✓							
B15-12	5/4/10		S	4			✓							
B16-5	5/4/10		S	4			✓							
B16-8	5/4/10		S	4			✓							
B16-12	5/4/10		S	4			✓							

[1] M = Matrix Code: A - Aqueous; DW - Drinking Water; GW - Groundwater; NA - Non-aqueous Liquid; S - Solids; O - Other (Specify)

Relinquished By	Date	Time	Received By	Date	Time	Method of Shipment
[signature]	5/5/10	1115	[signature]	5-5-10	11:15	FTK
			[signature]	5-5-10	13:25	Hand

Special Instructions

Q/C Level 1__ 2__ 3__ 4__

On Wet Ice Y N

Proper Preservation Y N

Temperature (°C) 28°

Copies: White - Client Yellow - PAS, Inc. Pink - Sampler

Central IL - 1210 Capital Airport Drive - Springfield, IL 62707-8490 - Phone (217) 753-1148 - Facsimile (217) 753-1152
Chicago Office - PO Box 2116 - Crystal Lake, IL 60039-2116 - Phone (847) 651-2604 - Facsimile (847) 458-9680
www.prairieanalytical.com

Prairie Analytical Systems, INCORPORATED

Client	HDC Engineering
Address	201 West Springfield Avenue Suite 300
City, State Zip Code	Champaign IL 61820
Phone / Facsimile No.	217.352.6976 / 217.352.0570
Client Project	Urbana Goodyear
Location	
Sampler(s) / Phone	Bill Walsh / 217.369.8195
Turnaround Time	Standard [X] Rush [ ] Date Required:
P.O. # or Invoice To	10022
Contact Person	Kevin Saylor

Analysis and/or method Requested

Reporting: TACO ___ Resid ___ Ind/Comm; CALM ___ A ___ B ___ C; RISC ___ Resid ___ Indust

Sample Description	Sampling Date	Sampling Time	Matrix Code[1]	Total # of Containers	Sample Comp	Sample Grab	VOC	RCRA METALS	pH					Sampler Comments
B8b-5	5/3/10		S	1				✓	✓					
B8b-8	5/3/10		S	1				✓	✓					
B8b-12	5/3/10		S	1				✓	✓					
B17-2	5/3/10		S	1				✓	✓					
B17-6	5/3/10		S	1				✓	✓					
B17-12	5/3/10		S	1				✓	✓					

[1] M = Matrix Code: A - Aqueous; DW - Drinking Water; GW - Groundwater; NA - Non-aqueous Liquid; S - Solids; O - Other (Specify)

Relinquished By	Date	Time	Received By	Date	Time	Method of Shipment
[signature]	5/5/10	1115	[signature]	5-5-10	11:15	AG
			[signature]	05-05-10	13:25	Hand

Special Instructions.

Q/C Level 1__ 2__ 3__ 4__

On Wet Ice Y / N

Proper Preservation Y / N

Temperature (°C) 2.8°

Copies: White - Client Yellow - PAS, Inc Pink - Sampler