HOOD PACKAGING CORPORATION
MADISON, MISSISSIPPI

Voluntary Remediation Program
Semiannual Progress Report No. 2
Hood Packaging Corporation Site
Valdosta, Georgia

Prepared By:
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P. O. Box 3471
Gulfport, Mississippi 39505
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October 20, 2017

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ENGINEERING CERTIFICATION

I certify that I am a qualified groundwater scientist who has received a baccalaureate or post-graduate degree in the natural sciences or engineering, and have sufficient training and experience in groundwater hydrology and related fields, as demonstrated by State registration and completion of accredited university courses, that enable me to make sound professional judgements regarding groundwater monitoring and contaminant fate-and-transport. I further certify that this report was prepared by myself or by a subordinate working under my direction.

GEORGIA REGISTERED No. 14285 PROFESSIONAL ENGINEER H M ROLLINS

Henry M. Rollins, P.E.
Georgia Registration No. 14285

10/17/17
Date

1.0 INTRODUCTION

This is the second Semiannual Progress Report being submitted under the Voluntary Remediation Program (VRP) on behalf of Hood Packaging Corporation (Hood) for the property known as Tract 2 located in the 900 block of River Street, Valdosta, Lowndes County, Georgia. The purpose of this report is to provide the Georgia Environmental Protection Division (EPD) with information concerning the activities accomplished on the site during the second six-month period since the site was approved for participation in the Georgia Voluntary Remediation Program, and to detail activities planned for the next six months.

2.0 BACKGROUND

Hood owns property in the 900 block on both sides of River Street in Valdosta, Georgia. Hood acquired a multi-wall bag manufacturing facility on the site in 1992 and operated the facility until May of 2009. The property consists of three parcels, known as Tracts 1, 2, and 3, all of which were listed on the Georgia Hazardous Site Inventory (HSI) as site 10089. Tracts 1 and 3 have been removed from the HSI by EPD, and Hood has sold Tract 3 to a third party. The site location is shown in Figure 1.

Unknown to Hood at the time of the 1992 acquisition, Tract 2 had been used for the manufacturing of fertilizer from the early 1900's to the 1970's. The site was listed on the HSI because of the presence of metals at levels exceeding the Georgia Hazardous Site Response Act (HSRA) notification thresholds.

Site investigations were conducted over a period of years that delineated the extent of contamination of the metals arsenic, lead, and barium in both soil and groundwater. A site Compliance Status Report (CSR) was prepared in 1999 and a Corrective Action Plan was submitted in 2006.

In 2010, the EPA and EPD performed a Site Reconnaissance and Pre-CERCLIS Screening Assessment (PSA) of Tract 2. The PSA employed XRF technology, and the results indicated the presence of additional metals, at above HSRA notification levels, at several locations. Hood subsequently took samples at the locations identified in the PSA and subjected them to laboratory analysis. The results of these analyses found only one additional metal, zinc, at the location identified in previous investigations as Large Area 4, at concentrations exceeding the HSRA notification levels. Delineation for zinc at Large Area 4 to default Type 2 Risk Reduction Standards was accomplished in the prior six-month period.

Hood prepared and submitted a VRP Application and Investigation and Remediation Plan on September 12, 2014. The VRP application resulted in the issuance of Consent Order No. EPD-VRP-013, which, once executed, enrolled the site in the VRP program. This consent order was fully executed on September 20, 2016. Semiannual progress reports are due on April 20 and October 20 of each year.

3.0 ACTIVITIES COMPLETED IN THIS REPORTING PERIOD

3.1 Groundwater Activities

3.1.1 *Monitoring Well Replacement and Repair*

Betts Environmental Recovery, Incorporated, of Adel, Georgia, mobilized to the site the week of April 10 to install new wells to replace those that were previously destroyed by site bushhogging activities, and to repair one protective casing that was damaged by a fallen tree. Well logging and installation supervision was performed by Joe McVay, P.G., with Earth Systems, LLC, Milledgeville, Georgia.

The following wells were reinstalled using hollow-stem auger techniques: MW-SB-1R, MW-SB-2AR, MW-SB-4R, and MW-SB-12R. The "R" designates the well is a replacement well. The protective casing for well MW-14 was replaced. The location of the monitoring wells is shown on Figure 2. The new wells and the other existing wells were developed after completion. Table 4 shows the well construction details for all on-site monitoring wells. Appendix A contains boring logs for the new wells, and Appendix B contains well construction diagrams.

During the installation of wells MW-SB-4R, MW-SB-1R, and MW-SB-12R, the geologist did not identify groundwater until depths that were deeper than the original wells. The original wells were hand-augered and often had little water in them when they were sampled. The replacement wells are somewhat deeper than the original wells.

3.1.1 *Groundwater Sampling for Zinc Delineation*

Groundwater sampling was conducted on April 19 and 20, 2017, for the purpose of zinc delineation and to provide current data on the groundwater concentrations of arsenic, lead, and barium, the previously determined constituents of concern. The following wells were sampled: MW-SB-1R, MW-SB-1A, MW-SB-2, MW-SB-2AR, MW-SB-4R, MW-SB-5, MW-SB-6, MW-SB-8, MW-SB-9, MW-SB-9A, MW-SB-12R, MW-SB-13, MW-SB-14, and MW-SB-15. Sampling was performed by Joe McVay, P.G. Field notes from the sampling event are found in Appendix C. The results from this sampling event, as well as historic events, are presented in Table 1. The laboratory reports are found in Appendix D. A drawing showing the delineation of zinc in the groundwater is found as Figure 8. These results complete the groundwater delineation for zinc and confirm that this metal has a similar areal distribution as the other metals.

Groundwater results for arsenic from the most highly contaminated well, MW-SB-6, were 72 µg/l, about an order of magnitude lower than the last sampling event in 2006 and about 35 times lower than the original samples in 1997. The reported lead level of 464 µg/l in this well is about 50% of the previous maximum value. This provides positive support for the conclusion that site conditions are improving. Groundwater monitoring results for the remaining wells were as expected and in general agreement with prior analyses. Table 1 presents the results of the most recent, as well as historic, groundwater monitoring results.

3.1.3 *Groundwater Levels and Equipotentials*

Groundwater elevation measurements were taken from the wells that were monitored during this semiannual period. These water levels, as well as historic levels, are presented in Table 2. The measured water level in well MW-SB-12R may be anomalous as it was lower than expected based on the historic measurements of MW-SB-12, the well it replaced. This will be checked closely in the next sampling event. It is possible that the original well, which was very shallow, was screened in a transient perched water zone that was not present when MW-SB-12R was installed. At the next sampling event, water levels will be measured in additional wells MW-SB-3, MW-SB-7, MW-SB-10, MW-SB-11, and MW-SB-16 to provide additional information for development of groundwater equipotentials.

A site drawing showing estimated groundwater equipotential lines is found in Figure 3. This drawing shows groundwater flow patterns similar to those in the past with a high point in the center of Tract 2.

3.2 Surface Water Activities

Surface water samples were taken at the two closest locations previously sampled while personnel were on-site to conduct the groundwater monitoring activities. The two locations are where the surface drain flows under the entrance road to the City park and slightly downstream where the drain passes under River Street.

The results from the recent surface water samples as well as historic results are found in Table 3. The laboratory report is found in Appendix D. The results of the

November 15, 2016 sampling showed no surface water impact. The results from the April 20, 2017 sampling show no impact from lead, arsenic, or barium at the Park Road ditch location, while this sample may show slightly elevated zinc levels. This sampling will be repeated during the next six-month period.

3.3 Soil Sampling for Disposal Characterization at Large Area 4

H. M. Rollins Company, Inc., personnel were on-site for the period of July 31, 2017 through August 2, 2017 for the purpose of taking soil samples from the area known as Large Area 4 for disposal characterization purposes. A total of 36 samples were taken from the center of each segment of the grid established over the area. Figure 4 is a drawing showing the sampling locations. This area is generally underlain by the slab from the old fertilizer plant. Appendix E contains the field notes from the sampling exercise.

At each sampling location, a small backhoe was used to excavate a hole to a depth of 24 inches if no slab was present. The hole was cleared and samples were taken from the sidewall of the hole from the slab to the surface or from a depth of 24 inches to the surface if no slab was present. Samples were taken using pre-cleansed stainless steel spoons. Approximately one quart of sample was taken at each location and placed in a labeled ziplock bag. At most locations, the slab was encountered and generally the depth to the slab was less than 15 inches.

The samples were transported to H. M. Rollins Company, Inc., offices where each sample was thoroughly mixed before preparing a composite sample for disposal characterization purposes. The composite sample was prepared on a disposal volume-weighted basis based on the observed depth to the underlying slab and the

area of the grid. The composite sample was thoroughly mixed before sending to the laboratory for a full TCLP analysis as well as analysis for PCBs, which was requested by the local landfill. The laboratory report is found in Appendix F. The soil did not fail the TCLP test, nor were any PCBs detected; therefore, it should be acceptable for disposal at the local landfill.

3.4 Tree Removal in Areas of Concern

Two of the areas of concern, Large Area 3 and Large Area 1, lie within the wooded portion of Tract 2 as can be seen on the drawing in Figure 2. In order to perform any capping or removal activities, the trees must be removed. A logging contractor was employed to remove all of the merchantable timber on the site with the exception of a 50-foot buffer zone on the south property line that was required by the City of Valdosta. No soil disturbance activities were associated with the logging operation.

Stump removal in Large Area 3 and Large Area 1 will be delayed pending soil sampling for disposal characterization. If the soils test as non-hazardous, Hood may elect to excavate and dispose of surface soils rather than cap the areas. This sampling will be conducted in the next six-month period.

4.0 PLANNED ACTIVITIES FOR THE NEXT REPORTING PERIOD

4.1 Groundwater Activities

During the site visit to take soil samples for disposal characterization at Large Area 4, it was discovered that the newly installed well MW-SB-4R had again been

damaged by equipment used to mow the site. This well will be repaired or replaced as needed.

The 14 groundwater monitoring wells sampled in the first six-month period will be sampled again in this six-month period. In addition, groundwater levels will be measured in the other wells on Tract 2 that are not being monitored in order to provide more information for development of an equipotential drawing. This includes wells MW-SB-3, MW-SB-7, MW-SB-10, MW-SB-11, and MW-SB-16.

Contact has been made with the City of Valdosta concerning the installation of a permanent well on City property in the park on the west side of the natural drain to function as the Point of Demonstration Well as defined in OCGA 12-8-102(a)(10). The City environmental representative was agreeable but final approval has to be granted by the City Manager.

Hood will continue working with the City to obtain permission for this well and to reach an understanding regarding a mechanism to ensure that no drinking water wells could be installed on the potentially impacted property in the future.

4.2 Surface Water Activities

Surface water sampling will be repeated at the Park Road Ditch and at the River Street Ditch locations for the metals of concern. In addition, surface water samples will be taken further downstream where the drain passes beneath West Magnolia Street, Lankford Drive, and Baytree Road. A drawing showing these sampling locations will be provided in the next report along with the results.

4.3 Soil Characterization Activities

Soil samples were scheduled to be taken from Small Area 1 in the current six-month period, but that was not accomplished because it took longer than expected to complete the Large Area 4 sampling. Samples will be taken from Small Area 1 during the next six-month period using the same methods used for Large Area 4. In addition, samples will be taken from Large Areas 1, 2, and 3 to determine if these soils would have to be managed as hazardous waste if disposed of. Samples will be composited on an equal volume of planned excavation basis and will be tested using the toxicity characteristic leaching procedure. Analyses will also be performed for PCBs. Hood will make a decision regarding excavation and off-site disposal or capping in place based on the results of the characterization sampling exercise.

5.0 VRP PROJECT MANAGEMENT

5.1 Professional Oversight

Oversight for this project is being provided by H. Martin Rollins, P.E. (Georgia #14285). A summary of hours committed to this project during the reporting period is shown in the following table. Significant additional professional time was expended by contract personnel.

H. M. Rollins, P.E. (Georgia #14285)		
	Hours Invoiced	Work Completed
April 2017	66.5	Oversight of the work described in this report.
May 2017	44.5	
June 2017	7.6	
July 2017	20.5	
August 2017	38.3	
September 2017	9.8	

5.2 Project Schedule

Groundwater delineation for zinc was completed in this reporting period, so all soil and groundwater delineation activity is now complete. The need to reinstall a number of groundwater monitoring wells and the desire to explore soil characterization for off-site disposal for all areas has delayed the project schedule somewhat. A revised project schedule is found as Figure 5. Project completion is still comfortably within the VRP completion guidance.

6.0 REFERENCES

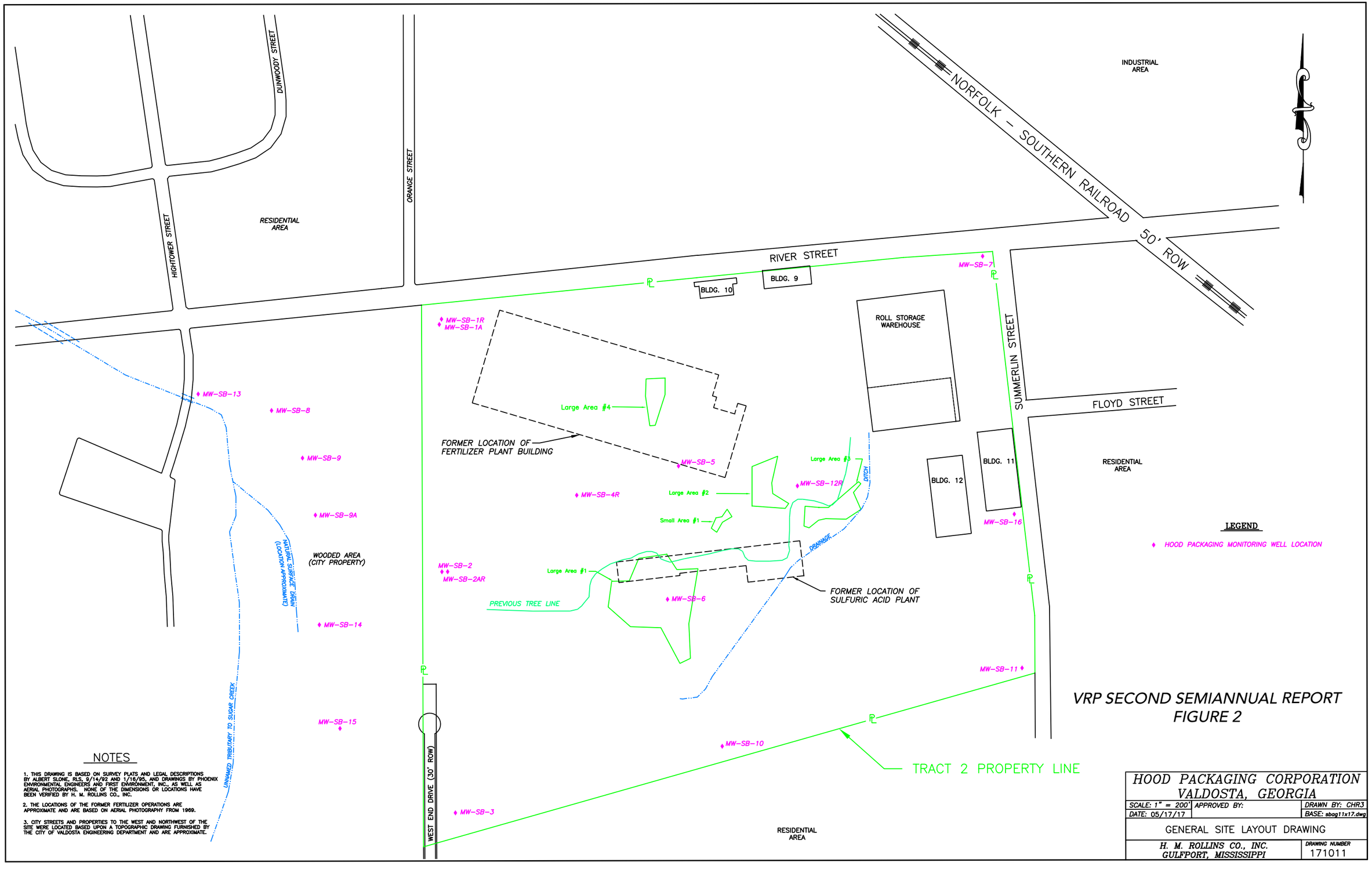
H. M. Rollins Company, Inc., 1999.
Compliance Status Report. Prepared by H. M. Rollins Company, Inc., Last Revision September, 1999.

H. M. Rollins Company, Inc., 2006.
Corrective Action Plan. Prepared by H. M. Rollins Company, Inc., Last Revision May 1, 2006.

H. M. Rollins Company, Inc., 2014.
Voluntary Remediation Program, Application, Investigation, and Remediation Plan. Prepared by H. M. Rollins Company, Inc., September, 2014.

H. M. Rollins Company, Inc., 2017.
Voluntary Remediation Program, Semiannual Progress Report No. 1. Prepared by H. M. Rollins Company, Inc., April 20, 2017.

HOOD PACKAGING CORPORATION VALDOSTA, GEORGIA	
SITE LOCATION MAP	
H.M. ROLLINS CO., INC. GULFPORT, MISSISSIPPI	U.S.G.S. TOPOGRAPHIC MAP QUAD: VALDOSTA 7.5 MINUTE SERIES
DRAWING NUMBER: 170315	Figure 1



NOTES

1. THIS DRAWING IS BASED ON SURVEY PLATS AND LEGAL DESCRIPTIONS BY ALBERT SLONE, RLS, 9/14/92 AND 1/16/95, AND DRAWINGS BY PHOENIX ENVIRONMENTAL ENGINEERS AND FIRST ENVIRONMENT, INC., AS WELL AS AERIAL PHOTOGRAPHS. NONE OF THE DIMENSIONS OR LOCATIONS HAVE BEEN VERIFIED BY H. M. ROLLINS CO., INC.

2. THE LOCATIONS OF THE FORMER FERTILIZER OPERATIONS ARE APPROXIMATE AND ARE BASED ON AERIAL PHOTOGRAPHY FROM 1969.

3. CITY STREETS AND PROPERTIES TO THE WEST AND NORTHWEST OF THE SITE WERE LOCATED BASED UPON A TOPOGRAPHIC DRAWING FURNISHED BY THE CITY OF VALDOSTA ENGINEERING DEPARTMENT AND ARE APPROXIMATE.

VRP SECOND SEMIANNUAL REPORT
FIGURE 2

HOOD PACKAGING CORPORATION VALDOSTA, GEORGIA		
SCALE: 1" = 200'	APPROVED BY:	DRAWN BY: CHR3
DATE: 05/17/17		BASE: sbag11x17.dwg
GENERAL SITE LAYOUT DRAWING		
H. M. ROLLINS CO., INC. GULFPORT, MISSISSIPPI		DRAWING NUMBER 171011

TRACT 1 PROPERTY LINES TRUNCATED BY LIMITS OF DRAWING BORDER.

TRACT 1

CHAINLINK FENCE

WATER WELL

MULTIWALL BAG PLANT BUILDINGS 3,4,5,6,&7

INDUSTRIAL AREA

NORFOLK - SOUTHERN RAILROAD

50' ROW

DUNWOODY STREET

ORANGE STREET

HIGHTOWER STREET

RESIDENTIAL AREA

RIVER STREET

BLDG. 10

BLDG. 9

ROLL STORAGE WAREHOUSE

SUMMERLIN STREET

FLOYD STREET

BLDG. 11

BLDG. 12

RESIDENTIAL AREA

MW-SB-7

MW-SB-16

177

178

179

180

181

180.46
MW-SB-1R
MW-SB-1A

MW-SB-13
176.59

MW-SB-8
176.91

MW-SB-9
176.77

MW-SB-9A
176.25

MW-SB-14
177.79

MW-SB-15
181.01

181.17
MW-SB-2
MW-SB-2AR

MW-SB-3

MW-SB-4R
182.09

MW-SB-5
189.03

MW-SB-6
184.45

MW-SB-10

MW-SB-11

MW-SB-12R
183.19

Large Area #1

Large Area #2

Large Area #3

Small Area #1

186

184

182

188

FORMER LOCATION OF FERTILIZER PLANT BUILDING

FORMER LOCATION OF SULFURIC ACID PLANT

NATURAL SURFACE DRAIN (LOCATION APPROXIMATE)

WOODED AREA (CITY PROPERTY)

UNNAMED TRIBUTARY TO SUGAR CREEK

WEST END DRIVE (30' ROW)

TRACT 2 PROPERTY LINE

RESIDENTIAL AREA

LEGEND

♦ HOOD PACKAGING MONITORING WELL LOCATION

–188– GROUNDWATER CONTOURS AND ELEVATIONS

NOTES

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VRP SECOND SEMIANNUAL REPORT
FIGURE 3

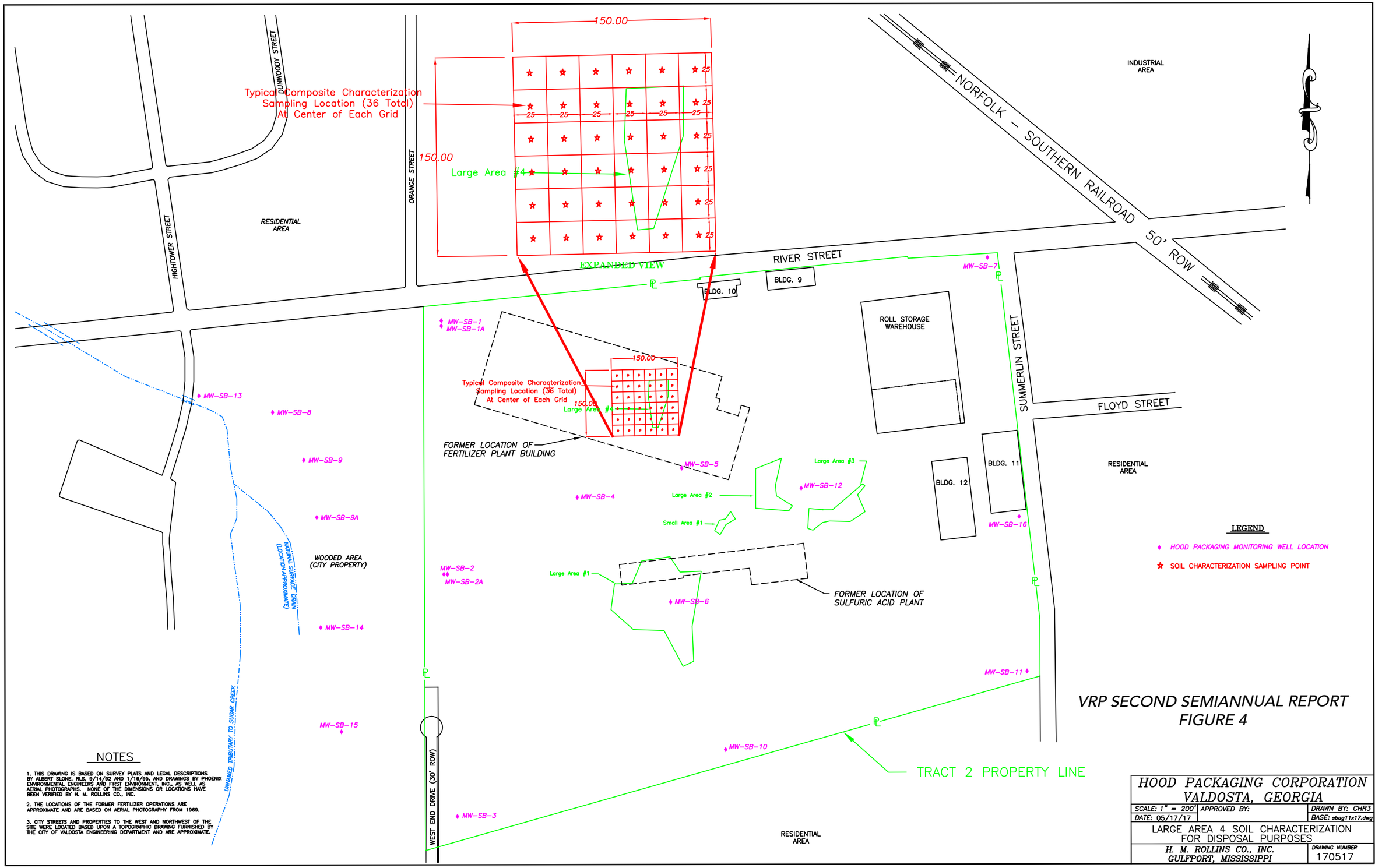
HOOD PACKAGING CORPORATION
VALDOSTA, GEORGIA

SCALE: 1" = 200'	APPROVED BY:	DRAWN BY:JMR
DATE: 10/05/17		BASE:

SITE DRAWING SHOWING GROUNDWATER CONTOURS ON APRIL 19, 2017

H. M. ROLLINS CO., INC.
GULFPORT, MISSISSIPPI

DRAWING NUMBER 171005



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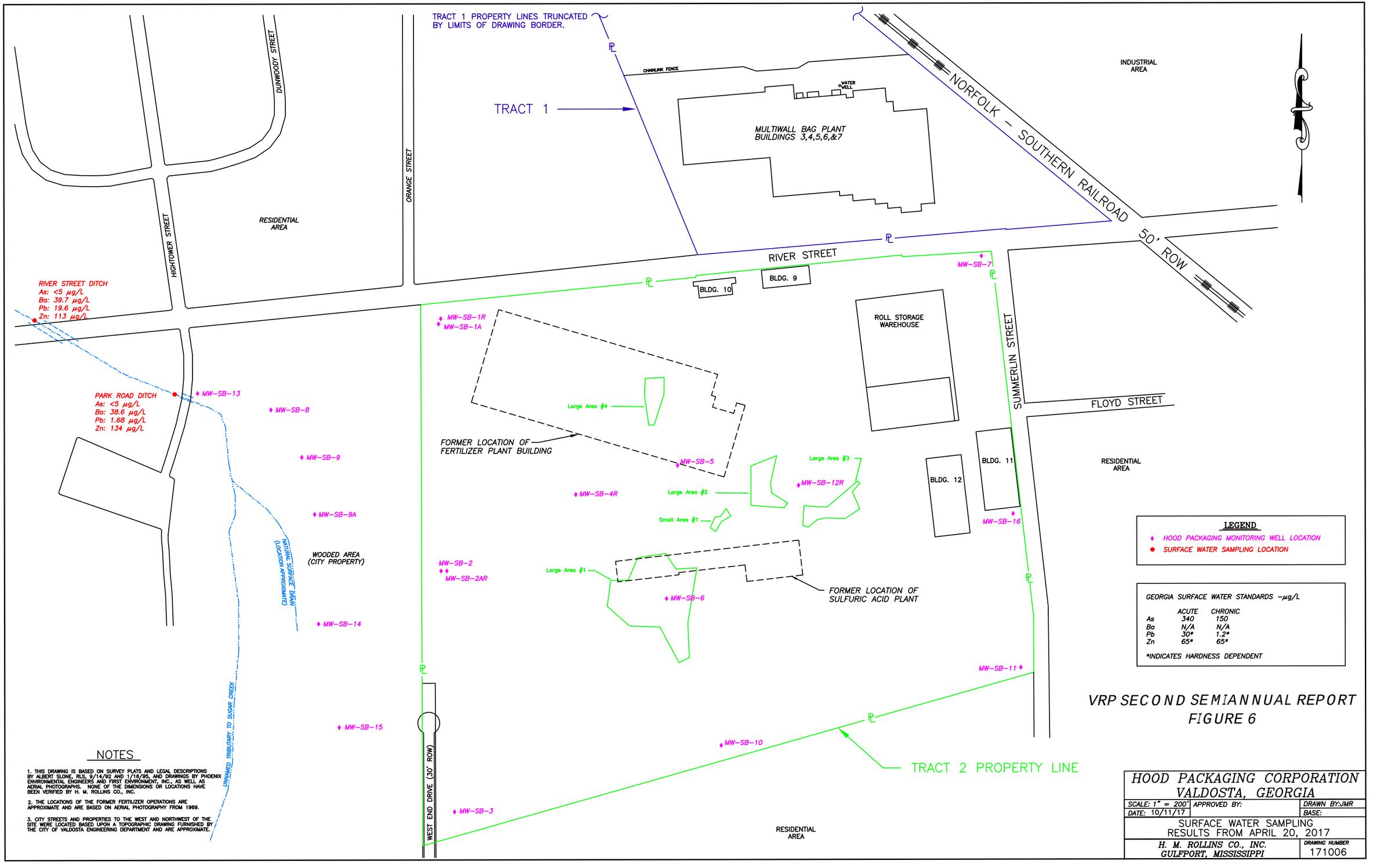
VRP SECOND SEMIANNUAL REPORT
FIGURE 4

HOOD PACKAGING CORPORATION VALDOSTA, GEORGIA	
SCALE: 1" = 200'	DRAWN BY: CHR3
DATE: 05/17/17	APPROVED BY: / BASE: sbag11x17.dwg
LARGE AREA 4 SOIL CHARACTERIZATION FOR DISPOSAL PURPOSES	
H. M. ROLLINS CO., INC. GULFPORT, MISSISSIPPI	DRAWING NUMBER 170517

HOOD PACKAGING CORPORATION

VRP Corrective Action Implementation Schedule

Task	Duration	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	Month 30	Month 31	Month 32	Month 33	Month 34	Month 35
VRP Acceptance	-																																			
Complete Soil Delineation for Zinc	6 months																																			
Complete Groundwater Delineation for Zinc	6 months																																			
Soil Sampling for Disposal Characterization	6 months																																			
Prepare Corrective Action Plan	5 months																																			
Choose Contractors	2 months																																			
Complete Preliminary Site Work	3 months																																			
Complete Groundwater pH Adjustment	3 months																																			
Install Cap System or Excavate & Dispose Offsite	7 months																																			
Complete Survey and Environmental Covenants	3 months																																			
Prepare and Submit Final CSR	7 months																																			



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LEGEND

- ♦ HOOD PACKAGING MONITORING WELL LOCATION
- ● SURFACE WATER SAMPLING LOCATION

GEORGIA SURFACE WATER STANDARDS –µg/L

	ACUTE	CHRONIC
As	340	150
Ba	N/A	N/A
Pb	30*	1.2*
Zn	65*	65*

*INDICATES HARDNESS DEPENDENT

VRP SECOND SEMIANNUAL REPORT
FIGURE 6

HOOD PACKAGING CORPORATION
VALDOSTA, GEORGIA

SCALE: 1" = 200'	APPROVED BY:	DRAWN BY:JMR
DATE: 10/11/17		BASE:

SURFACE WATER SAMPLING RESULTS FROM APRIL 20, 2017

H. M. ROLLINS CO., INC.
GULFPORT, MISSISSIPPI

DRAWING NUMBER 171006

TRACT 1 PROPERTY LINES TRUNCATED BY LIMITS OF DRAWING BORDER.

TRACT 1

DUNWOODY STREET

HIGHTOWER STREET

ORANGE STREET

RESIDENTIAL AREA

CHAINLINK FENCE

WATER WELL

MULTIWALL BAG PLANT
BUILDINGS 3,4,5,6,&7

NORFOLK – SOUTHERN RAILROAD

INDUSTRIAL AREA

50' ROW

RIVER STREET

BLDG. 10

BLDG. 9

MW-SB-7

As <5 µg/L
Ba 44 µg/L
Pb <1 µg/L
Zn 14 µg/L

MW-SB-1R

MW-SB-1A

As <5 µg/L
Ba 13 µg/L
Pb <1 µg/L
Zn 374 µg/L

ROLL STORAGE WAREHOUSE

SUMMERLIN STREET

FLOYD STREET

RESIDENTIAL AREA

BLDG. 11

BLDG. 12

Large Area #4

FORMER LOCATION OF FERTILIZER PLANT BUILDING

As 39 µg/L
Ba <10 µg/L
Pb <1 µg/L
Zn 1180 µg/L

MW-SB-5

Large Area #3

MW-SB-12R

As 7 µg/L
Ba 187 µg/L
Pb 4 µg/L
Zn 44 µg/L

MW-SB-16

Large Area #2

Small Area #1

MW-SB-4R

As <5 µg/L
Ba <10 µg/L
Pb <1 µg/L
Zn 2230 µg/L

As 9 µg/L
Ba 26 µg/L
Pb <1 µg/L
Zn 526 µg/L

MW-SB-2

MW-SB-2AR

As <5 µg/L
Ba 46 µg/L
Pb <1 µg/L
Zn 408 µg/L

Large Area #1

MW-SB-6

As 72 µg/L
Ba 11 µg/L
Pb 464 µg/L
Zn 1920 µg/L

FORMER LOCATION OF SULFURIC ACID PLANT

MW-SB-13

As 21 µg/L
Ba 90 µg/L
Pb 39 µg/L
Zn 359 µg/L

MW-SB-8

As <5 µg/L
Ba 54 µg/L
Pb 6 µg/L
Zn 2230 µg/L

MW-SB-9

As <5 µg/L
Ba 61 µg/L
Pb 4 µg/L
Zn 2270 µg/L

MW-SB-9A

As <5 µg/L
Ba 11 µg/L
Pb <1 µg/L
Zn 4390 µg/L

WOODED AREA
(CITY PROPERTY)

NATURAL SURFACE DRAIN
(LOCATION APPROXIMATED)

MW-SB-14

As 30 µg/L
Ba 42 µg/L
Pb 144 µg/L
Zn 108 µg/L

MW-SB-15

As <5 µg/L
Ba 34 µg/L
Pb <1 µg/L
Zn <10 µg/L

UNNAMED TRIBUTARY TO SUGAR CREEK

WEST END DRIVE (30' ROW)

MW-SB-3

MW-SB-10

MW-SB-11

TRACT 2 PROPERTY LINE

RESIDENTIAL AREA

NOTES

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LEGEND

♦ HOOD PACKAGING MONITORING WELL LOCATION

TABLE OF SITE DELINEATION VALUES

	GROUNDWATER (µg/L)
As	10
Ba	2,000
Pb	15
Zn	2,000

VRP SECOND SEMIANNUAL REPORT
FIGURE 7

HOOD PACKAGING CORPORATION
VALDOSTA, GEORGIA

SCALE: 1" = 200'	APPROVED BY:	DRAWN BY:JMR
DATE: 10/11/17		BASE:

GROUNDWATER SAMPLING
RESULTS FROM APRIL 19–20, 2017

H. M. ROLLINS CO., INC.
GULFPORT, MISSISSIPPI

DRAWING NUMBER
171007

TRACT 1 PROPERTY LINES TRUNCATED BY LIMITS OF DRAWING BORDER.

TRACT 1

DUNWOODY STREET

HIGHTOWER STREET

ORANGE STREET

RESIDENTIAL AREA

CHAINLINK FENCE

WATER WELL

MULTIWALL BAG PLANT BUILDINGS 3,4,5,6,&7

NORFOLK – SOUTHERN RAILROAD 50' ROW

INDUSTRIAL AREA

RIVER STREET

BLDG. 10

BLDG. 9

ROLL STORAGE WAREHOUSE

SUMMERLIN STREET

FLOYD STREET

BLDG. 12

BLDG. 11

RESIDENTIAL AREA

MW-SB-7
As <5 µg/L
Ba 44 µg/L
Pb <1 µg/L
Zn 14 µg/L

MW-SB-1R
MW-SB-1A
As <5 µg/L
Ba 13 µg/L
Pb <1 µg/L
Zn 374 µg/L

100 µg/L

2000 µg/L

MW-SB-13
As 21 µg/L
Ba 90 µg/L
Pb 39 µg/L
Zn 359 µg/L

MW-SB-8
As <5 µg/L
Ba 54 µg/L
Pb 6 µg/L
Zn 2230 µg/L

MW-SB-9
As <5 µg/L
Ba 61 µg/L
Pb 4 µg/L
Zn 2270 µg/L

4000 µg/L

MW-SB-9A
As <5 µg/L
Ba 11 µg/L
Pb <1 µg/L
Zn 4390 µg/L

WOODED AREA (CITY PROPERTY)

NATURAL SURFACE DRAIN (LOCATION APPROXIMATE)

UNNAMED TRIBUTARY TO SUGAR CREEK

Large Area #4

FORMER LOCATION OF FERTILIZER PLANT BUILDING

MW-SB-5
As 39 µg/L
Ba <10 µg/L
Pb <1 µg/L
Zn 1180 µg/L

Large Area #3

MW-SB-12R
As 7 µg/L
Ba 187 µg/L
Pb 4 µg/L
Zn 44 µg/L

MW-SB-4R
As <5 µg/L
Ba <10 µg/L
Pb <1 µg/L
Zn 2230 µg/L

Large Area #2

Small Area #1

MW-SB-16

MW-SB-2
As 9 µg/L
Ba 26 µg/L
Pb <1 µg/L
Zn 526 µg/L

MW-SB-2AR
As <5 µg/L
Ba 46 µg/L
Pb <1 µg/L
Zn 408 µg/L

Large Area #1

MW-SB-6
As 72 µg/L
Ba 11 µg/L
Pb 464 µg/L
Zn 1920 µg/L

FORMER LOCATION OF SULFURIC ACID PLANT

MW-SB-14
As 30 µg/L
Ba 42 µg/L
Pb 144 µg/L
Zn 108 µg/L

MW-SB-15
As <5 µg/L
Ba 34 µg/L
Pb <1 µg/L
Zn <10 µg/L

WEST END DRIVE (30' ROW)

MW-SB-3

MW-SB-11

MW-SB-10

TRACT 2 PROPERTY LINE

RESIDENTIAL AREA

NOTES

1. THIS DRAWING IS BASED ON SURVEY PLATS AND LEGAL DESCRIPTIONS BY ALBERT SLONE, RLS, 9/14/92 AND 1/16/95, AND DRAWINGS BY PHOENIX ENVIRONMENTAL ENGINEERS AND FIRST ENVIRONMENT, INC., AS WELL AS AERIAL PHOTOGRAPHS. NONE OF THE DIMENSIONS OR LOCATIONS HAVE BEEN VERIFIED BY H. M. ROLLINS CO., INC.

2. THE LOCATIONS OF THE FORMER FERTILIZER OPERATIONS ARE APPROXIMATE AND ARE BASED ON AERIAL PHOTOGRAPHY FROM 1969.

3. CITY STREETS AND PROPERTIES TO THE WEST AND NORTHWEST OF THE SITE WERE LOCATED BASED UPON A TOPOGRAPHIC DRAWING FURNISHED BY THE CITY OF VALDOSTA ENGINEERING DEPARTMENT AND ARE APPROXIMATE.

LEGEND

- ♦ HOOD PACKAGING MONITORING WELL LOCATION
- — ZINC GROUNDWATER DELINEATION CONCENTRATIONS

TABLE OF SITE DELINEATION VALUES

	GROUNDWATER (µg/L)
As	10
Ba	2,000
Pb	15
Zn	2,000

VRP SECOND SEMIANNUAL REPORT
FIGURE 8

HOOD PACKAGING CORPORATION VALDOSTA, GEORGIA		
SCALE: 1" = 200'	APPROVED BY:	DRAWN BY:JMR
DATE: 10/11/17		BASE:
ZINC GROUNDWATER DELINEATION RESULTS FROM APRIL 19–20, 2017		
H. M. ROLLINS CO., INC. GULFPORT, MISSISSIPPI		DRAWING NUMBER 171012

TABLE 1

Hood Packaging Corporation
Valdosta, Georgia
Summary of Analytical Results - Monitoring Wells

		Metals, µg/l				
HSRA Type 1 Standards (µg/l)		10	2000	15	2000	
Well No.	Date	Arsenic	Barium	Lead	Zinc	Notes
MW-SB-1	5/24/1997	<5	43	55		
MW-SB-1	5/24/1997	<5	41	54		DUPLICATE
MW-SB-1	8/27/1997	<5	61	31		
MW-SB-1	8/27/1997	<5	64	29		
MW-SB-1	10/17/1997	<5	53	46		
MW-SB-1	7/26/2001	<5	127	42		
MW-SB-1	3/7/2006	24	77	64		
MW-SB-1	3/7/2006	<5	21	<5		FILTERED IN LAB
MW-SB-1R	4/20/2017	<5	44	<1	14	
MW-SB-1A	10/17/1997	<5	87	<5		
MW-SB-1A	10/17/1997	<5	115	<5		DUPLICATE
MW-SB-1A	7/26/2001	<50	35	<5		
MW-SB-1A	3/7/2006	<5	72	<5		
MW-SB-1A	3/7/2006	<5	14	<5		FILTERED IN LAB
MW-SB-1A	4/20/2017	<5	13	<1	374	
MW-SB-2	5/24/1997	6	71	<5		
MW-SB-2	5/24/1997	15	72	10		DUPLICATE
MW-SB-2	8/27/1997	7	27	<5		
MW-SB-2	10/14/1997	13		<5		
MW-SB-2	7/26/2001	10	13	<5		
MW-SB-2	3/7/2006	40	32	<5		
MW-SB-2	3/7/2006	36	<10	<5		FILTERED IN LAB
MW-SB-2	4/19/2017	9	26	<1	526	
MW-SB-2A	10/14/1997	<10		<5		
MW-SB-2A	10/8/1998	<5	37	<5		
MW-SB-2A	10/8/1998	<5	37	<5		DUPLICATE
MW-SB-2A	7/26/2001	<250	<10	<5		

Prepared by: H. M. Rollins Co., Inc.
Gulfport, Mississippi

TABLE 1

Hood Packaging Corporation
Valdosta, Georgia
Summary of Analytical Results - Monitoring Wells

		Metals, µg/l				
HSRA Type 1 Standards (µg/l)		10	2000	15	2000	
Well No.	Date	Arsenic	Barium	Lead	Zinc	Notes
MW-SB-2A	3/7/2006	<5	11	<5		
MW-SB-2A	3/7/2006	<5	<10	<5		FILTERED IN LAB
MW-SB-2AR	4/19/2017	<5	43	<1	408	
MW-SB-3	5/24/1997	<5	30	<5		
MW-SB-3	5/24/1997	<5	36	<5		DUPLICATE
MW-SB-3	8/27/1997	<5	38	<5		
MW-SB-3	7/26/2001	<5	186	13		
MW-SB-3	10/4/2001			14		
MW-SB-3	10/4/2001			<5		FILTERED
MW-SB-3	10/4/2001			16		DUPLICATE
MW-SB-3	10/4/2001			<5		DUPLICATE / FILTERED
MW-SB-4	10/16/1997	<5	22	<5		
MW-SB-4	10/16/1997	<5	31	<5		DUPLICATE
MW-SB-4	7/26/2001	<25	21	<5		
MW-SB-4R	4/20/2017	<5	<10	<1	2,230	
MW-SB-5	10/16/1997	<5	67	<5		
MW-SB-5	10/16/1997	<5	103	<5		DUPLICATE
MW-SB-5	7/26/2001	26	<10	<5		
MW-SB-5	4/20/2017	39	<10	<1	1,180	
MW-SB-6	10/16/1997	2,660	358	64		
MW-SB-6	10/16/1997	2,720	350	62		DUPLICATE
MW-SB-6	7/26/2001	2,520	<10	810		
MW-SB-6	3/7/2006	717	<10	434		
MW-SB-6	3/7/2006	700	<10	403		FILTERED IN LAB
MW-SB-6	4/20/2017	72	11	464	1,920	
MW-SB-7	10/16/1997	<5	36	<5		
MW-SB-7	10/16/1997	<5	89	<5		DUPLICATE

Prepared by: H. M. Rollins Co., Inc.
Gulfport, Mississippi

TABLE 1

Hood Packaging Corporation
Valdosta, Georgia
Summary of Analytical Results - Monitoring Wells

		Metals, µg/l				
HSRA Type 1 Standards (µg/l)		10	2000	15	2000	
Well No.	Date	Arsenic	Barium	Lead	Zinc	Notes
MW-SB-7	10/8/1998	<5	17	<5		
MW-SB-7	10/8/1998	<5	13	<5		DUPLICATE
MW-SB-7	7/26/2001	<5	24	<5		
MW-SB-8	10/17/1997	<5	89	7		
MW-SB-8	10/17/1997	<5	85	7		DUPLICATE
MW-SB-8	10/17/1997			5		FILTERED
MW-SB-8	10/8/1998	<5	47	<5		
MW-SB-8	10/8/1998	<5	44	<5		DUPLICATE
MW-SB-8	7/25/2001	<50	59	5		
MW-SB-8	3/8/2006	<5	49	<5		
MW-SB-8	3/8/2006	<5	46	<5		FILTERED IN LAB
MW-SB-8	4/19/2017	<5	54	6	2,230	
MW-SB-9	10/17/1997	<5	51	<5		
MW-SB-9	10/17/1997	<5	67	<5		DUPLICATE
MW-SB-9	7/26/2001	<50	31	<5		
MW-SB-9	3/8/2006	<5	18	<5		
MW-SB-9	3/8/2006	<5	14	<5		FILTERED IN LAB
MW-SB-9	4/19/2017	<5	61	4	2,270	
MW-SB-9A	11/19/1997	<5	23	<5		
MW-SB-9A	11/19/1997	<5	22	<5		DUPLICATE
MW-SB-9A	11/19/1997	<5	15	<5		FILTERED
MW-SB-9A	7/26/2001	<50	12	<5		
MW-SB-9A	3/8/2006	<5	<10	<5		
MW-SB-9A	3/8/2006	<5	<10	<5		FILTERED IN LAB
MW-SB-9A	4/19/2017	<5	11	<1	4,390	
MW-SB-10	10/17/1997	<5	57	<5		
MW-SB-10	10/17/1997	<5	64	<5		DUPLICATE

Prepared by: H. M. Rollins Co., Inc.
Gulfport, Mississippi

TABLE 1

Hood Packaging Corporation
Valdosta, Georgia
Summary of Analytical Results - Monitoring Wells

		Metals, µg/l				
HSRA Type 1 Standards (µg/l)		10	2000	15	2000	
Well No.	Date	Arsenic	Barium	Lead	Zinc	Notes
MW-SB-10	7/26/2001	<5	110	<5		
MW-SB-11	11/19/1997	<5	59	<5		
MW-SB-11	11/19/1997	<5	60	<5		DUPLICATE
MW-SB-11	11/19/1997	<5	64	7		FILTERED
MW-SB-11	10/9/1998	<5	52	<5		
MW-SB-11	10/9/1998	<5	55	<5		DUPLICATE
MW-SB-11	7/26/2001	<5	73	<5		
MW-SB-12	11/19/1997	15	16	<5		
MW-SB-12	11/19/1997	17	15	<5		DUPLICATE
MW-SB-12	11/19/1997	20	16	<5		FILTERED
MW-SB-12	7/26/2001	29	<10	<5		
MW-SB-12R	4/20/2017	7	187	4	44	
MW-SB-13	11/19/1997	14	50	9		
MW-SB-13	11/19/1997	16	51	8		DUPLICATE
MW-SB-13	11/19/1997	20	50	<5		FILTERED
MW-SB-13	10/8/1998	16	76	67		
MW-SB-13	10/8/1998	15	72	52		DUPLICATE
MW-SB-13	10/8/1998	14	68	<5		FILTERED
MW-SB-13	7/26/2001	16	123	158		
MW-SB-13	3/8/2006	13	102	29		
MW-SB-13	3/8/2006	<5	89	16		FILTERED IN LAB
MW-SB-13	4/20/2017	21	90	39	359	
MW-SB-14	11/19/1997	41	149	212		
MW-SB-14	11/19/1997	41	139	191		DUPLICATE
MW-SB-14	11/19/1997	49	140	136		FILTERED
MW-SB-14	10/8/1998	50	79	211		
MW-SB-14	10/8/1998	51	80	249		DUPLICATE

Prepared by: H. M. Rollins Co., Inc.
Gulfport, Mississippi

TABLE 1

Hood Packaging Corporation
Valdosta, Georgia
Summary of Analytical Results - Monitoring Wells

		Metals, µg/l				
HSRA Type 1 Standards (µg/l)		10	2000	15	2000	
Well No.	Date	Arsenic	Barium	Lead	Zinc	Notes
MW-SB-14	7/26/2001	72	60	144		
MW-SB-14	3/8/2006	32	25	96		
MW-SB-14	3/8/2006	38	18	63		FILTERED IN LAB
MW-SB-14	4/19/2017	30	42	144	108	
MW-SB-15	10/9/1998	<5	54	<5		
MW-SB-15	10/9/1998	<5	38	<5		FILTERED
MW-SB-15	7/26/2001	<5	62	<5		
MW-SB-15	3/8/2006	<5	59	<5		
MW-SB-15	3/8/2006	<5	27	<5		FILTERED IN LAB
MW-SB-15	4/19/2017	<5	34	<1	<10	
MW-SB-16	10/9/1998	<5	36	<5		
MW-SB-16	10/9/1998	<5	38	<5		DUPLICATE
MW-SB-16	7/26/2001	<5	36	<5		

Prepared by: H. M. Rollins Co., Inc.
Gulfport, Mississippi

TABLE 2

Hood Packaging Corporation

Valdosta, Georgia

Table of Groundwater Elevations

DATE OF MEASUREMENT:		5/24/1997		8/26/1997		10/16/1997		11/19/1997		10/9/1998		5/8/2001		7/25/2001		10/4/2001		3/8/2006		4/19/2017	
WELL	ELEV, MP, feet NGVD	DIST TO WATER, ft	GW ELEV, ft NGVD	DIST TO WATER, ft	GW ELEV, ft NGVD	DIST TO WATER, ft	GW ELEV, ft NGVD	DIST TO WATER, ft	GW ELEV, ft NGVD	DIST TO WATER, ft	GW ELEV, ft NGVD	DIST TO WATER, ft	GW ELEV, ft NGVD	DIST TO WATER, ft	GW ELEV, ft NGVD	DIST TO WATER, ft	GW ELEV, ft NGVD	DIST TO WATER, ft	GW ELEV, ft NGVD	DIST TO WATER, ft	GW ELEV, ft NGVD
MW-SB-1	189.28	6.85	182.43	6.64	182.64	7.93	181.35	4.79	184.49	4.88	184.40	8.36	180.92	6.21	183.07	8.98	180.30	5.92	183.36		
MW-SB-1R	188.56																			8.10	180.46
MW-SB-1A	189.25							3.70	185.55	4.93	184.32	7.97	181.28	6.12	183.13	8.46	180.79	5.48	183.77	5.63	183.62
MW-SB-2	188.52	6.18	182.34	5.89	182.63	7.30	181.22	4.02	184.50	4.48	184.04	7.81	180.71	5.56	182.96	7.88	180.64	5.43	183.09	7.35	181.17
MW-SB-2A	188.58					7.33	181.25	3.28	185.30	5.30	183.28	7.57	181.01	6.10	182.48	7.79	180.79	5.13	183.45		
MW-SB-2AR	188.21																			6.56	181.65
MW-SB-3	192.32	9.61	182.71	8.97	183.35	11.03	181.29	6.99	185.33	8.22	184.10	11.41	180.91	9.23	183.09	11.64	180.68	8.21	184.11		
MW-SB-4	192.88					6.66	186.22	2.50	190.38	3.15	189.73	6.27	186.61	4.05	188.83	6.80	186.08				
MW-SB-4R	193.44																			11.35	182.09
MW-SB-5	197.53					8.67	188.86	4.00	193.53	3.66	193.87	7.63	189.90	5.77	191.76	8.26	189.27	5.40	192.13	8.50	189.03
MW-SB-6	194.76					11.50	183.26	4.46	190.30	4.66	190.10	11.72	183.04	5.61	189.15	12.46	182.30	5.82	188.94	10.31	184.45
MW-SB-7	196.40					13.82	182.58	9.14	187.26	11.46	184.94	13.90	182.50	12.49	183.91	14.67	181.73	12.27	184.13		
MW-SB-8	180.10					2.63	177.47	2.32	177.78	2.30	177.80	5.66	174.44	2.91	177.19	4.94	175.16	2.84	177.26	3.19	176.91
MW-SB-9	182.25					3.46	178.79	3.04	179.21	3.19	179.06	6.09	176.16	3.80	178.45	5.61	176.64	3.95	178.30	5.48	176.77
MW-SB-9A	183.86							3.49	180.37	3.56	180.30	6.06	177.80	4.12	179.74	5.86	178.00	4.25	179.61	5.61	178.25
MW-SB-10	193.04					10.77	182.27	6.10	186.94	6.53	186.51	10.86	182.18	8.76	184.28	11.36	181.68	7.98	185.06		
MW-SB-11	199.38							11.21	188.17	15.02	184.36	16.37	183.01	15.30	184.08	17.10	182.28	8.76	190.62		
MW-SB-12	199.08							3.96	195.12	4.00	195.08	7.68	191.40	6.72	192.36	7.88	191.20				
MW-SB-12R	198.83																			15.64	183.19
MW-SB-13	179.49							3.33	176.16	3.25	176.24	5.86	173.63	3.42	176.07	5.71	173.78	3.20	176.29	2.90	176.59
MW-SB-14	183.66							2.84	180.82	2.95	180.71	5.06	178.60	3.08	180.58	4.74	178.92	3.66	180.00	5.87	177.79
MW-SB-15	186.17									3.40	182.77	5.93	180.24	3.70	182.47	5.84	180.33	3.77	182.40	5.16	181.01
MW-SB-16	198.55									7.84	190.71	9.51	189.04	8.22	190.33	9.64	188.91	13.28	185.27		

TABLE 3

Surface Water Sampling Results

			Arsenic	Barium	Lead	Zinc
Georgia Surface Water Standards, µg/l * indicates hardness dependent		Acute Chronic	340 150	N/A N/A	30* 1.2*	65* 65*
Date	**Sample ID**		All results in µg/l.			
04/20/17	Park Road Ditch		<5	38.6	1.68	134
11/16/16	Park Road Ditch		2		2	<20
07/25/01	Park Road Ditch		7	58	41	
05/09/01	Park Road Ditch		<5	30	6	
08/10/99	Park Road Ditch		12	69	67	
11/17/97	Park Road Ditch		5	46	32	
04/20/17	River Street Ditch		<5	39.7	19.6	113
11/16/16	River Street Ditch		2		3	<20
03/07/06	River Street Ditch		<5	56	15	
07/25/01	River Street Ditch		<5	56	32	
05/09/01	River Street Ditch		<5	30	13	
11/17/97	River Street Ditch		5	63	34	

TABLE 4

Monitoring Well Construction Details
Hood Packaging Corporation
Valdosta, Georgia

Well No.	Total Depth (feet, BLS)	Screen Length (feet)	Construction	Measuring Point Elevation (feet NGVD)
MW-SB-1R	30	10	2" PVC	188.56
MW-SB-1A	51	10	2" PVC	189.25
MW-SB-2	13	10	2" PVC	188.52
MW-SB-2AR	33.5	10	2" PVC	188.21
MW-SB-3	17	10	2" PVC	192.32
MW-SB-4R	24.4	10	2" PVC	193.44
MW-SB-5	11	5	2" PVC	197.53
MW-SB-6	17	10	2" PVC	194.76
MW-SB-7	24	10	2" PVC	196.40
MW-SB-8	13	5	2" PVC	180.10
MW-SB-9	13	5	2" PVC	182.25
MW-SB-9A	12	10	2" PVC	183.86
MW-SB-10	19	10	2" PVC	193.04
MW-SB-11	22	15	2" PVC	199.38
MW-SB-12R	19	10	2" PVC	198.83
MW-SB-13	12.5	10	2" PVC	179.49
MW-SB-14#	6.5	5	2" PVC	183.66
MW-SB-15	7	5	2" PVC	186.17
MW-SB-16	15	10	2" PVC	198.55

Appendix A

HTW DRILLING LOG

HOLE No. SB-1R

1. COMPANY NAME: H. M. Rollins Company	2. DRILLING SUBCONTRACTOR: Betts Environmental Recovery
SHEET 1 OF 1 SHEETS 3	
3. PROJECT: Hood Packaging Corp.	4. LOCATION: River Street Valdosta, GA
5. NAME OF DRILLER: Caleb Harnage	6. MANUFACTURER'S DESIGNATION OF DRILL: Geoprobe
7. SIZE AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: DPT 2"x 5' spoon; 4.25 HSA	8. HOLE LOCATION: 5' east of SB-1 (approximate)
	9. SURFACE ELEVATION: NA
	10. DATE STARTED: 4/11/17 — 11. DATE COMPLETED: 4/12/17
12. OVERBURDEN THICKNESS:	15. DEPTH GROUNDWATER ENCOUNTERED: 29'
13. DEPTH DRILLED INTO ROCK:	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED:
14. TOTAL DEPTH OF HOLE: 30'	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY):

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY %

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Monitoring Well set		X		

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		Bland Sand very fine, organics					
		Gray/Dark Gray sands					
	5	Gray clay firm					
	10						

MDK FORM 55 | PROJECT | HOLE No.

HTW DRILLING LOG

HOLE NO. SB-1R

PROJECT | INSPECTOR | SHEET OF 2 SHEETS 3

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX NO. e	ANALYTICAL SAMPLE NO. f	BLOW COUNTS g	REMARKS h
		Gray Clay Firm					
		Gray Clay Firm/Slight Brown Mottling					
	15						
	20	Brown/Gray Mottled Firm Clay					
	25						

PROJECT | HOLE NO

MRK FORM 55-2

HTW DRILLING LOG

HOLE No. SB-4R

1. COMPANY NAME: H. M. Rollins Company	2. DRILLING SUBCONTRACTOR: Betts Environmental Recovery
SHEET 1 OF 1 SHEETS 2	
3. PROJECT: Hood Packaging Corp.	4. LOCATION: River Street Valdosta, GA
5. NAME OF DRILLER: Caleb Harnage	6. MANUFACTURER'S DESIGNATION OF DRILL: Geoprobe
7. SIZE AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: DPT 2"x 5' spoon; 4.25 HSA	8. HOLE LOCATION: 5' east of SB-4
	9. SURFACE ELEVATION: NA
	10. DATE STARTED: 4/11/17 — 11. DATE COMPLETED: 4/11/17
12. OVERBURDEN THICKNESS:	15. DEPTH GROUNDWATER ENCOUNTERED: 22.5'
13. DEPTH DRILLED INTO ROCK:	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED:
14. TOTAL DEPTH OF HOLE: 24.4'	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY):

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY %

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Monitoring Well set		X		

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		Bland Sand very fine, organics					
		Gray/Dark Gray sandy clay		(approximate)			
	5	Red Gray Mottled clay/dry/ firm					
	10						

MRK FORM 55 | PROJECT | HOLE No.

HTW DRILLING LOG

HOLE NO. SB-4R

PROJECT

INSPECTOR

SHEET OF 2 SHEETS 2

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX NO. e	ANALYTICAL SAMPLE NO. f	BLOW COUNTS g	REMARKS h
		Gray Clay Firm					
		Dark Brown/Medium Brown Sandy Clay/Mottled with Gray Clay.					
		Golden Brown Sandy Clay with dark Brown Mottling/firm					
	15						
	20						
		Brown Sand Wet.					
	25						

PROJECT

HOLE NO

MRK FORM 55-2

HTW DRILLING LOG

HOLE No. SB-2AR

1. COMPANY NAME: H. M. Rollins Company	2. DRILLING SUBCONTRACTOR: Betts Environmental Recovery
3. PROJECT: Hood Packaging Corp.	4. LOCATION: River Street Valdosta, GA
5. NAME OF DRILLER: Caleb Harnage	6. MANUFACTURER'S DESIGNATION OF DRILL: Geoprobe
7. SIZE AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: DPT 2"x 5' spoon; 4.25 HSA	8. HOLE LOCATION: 5' east of SB-2 (approximate)
	9. SURFACE ELEVATION: NA
	10. DATE STARTED: 4/11/17 — 11. DATE COMPLETED: 4/11/17
12. OVERBURDEN THICKNESS:	15. DEPTH GROUNDWATER ENCOUNTERED: 25.4'
13. DEPTH DRILLED INTO ROCK:	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED:
14. TOTAL DEPTH OF HOLE: 33.5'	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY):

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY %

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Monitoring Well set		X		

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		Tan sand very fine, organics					
		Gray/Dark Gray sands					
	5	light Gray sandy clay/ perched water at 5'6"					
		Medium Brown/Gray Mottled sandy clay/					
	10						

HTW DRILLING LOG

HOLE NO. SB-2AR

PROJECT | INSPECTOR | SHEET OF 2 SHEETS 3

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX NO. e	ANALYTICAL SAMPLE NO. f	BLOW COUNTS g	REMARKS h
		Brown Gray Mottled Clay/Firm					
	15	Light Gray Sand					
	20	Dark Brown/ Light Gray Mottled Sandy Clay/Wet					
	25	Light Brown Sandy clay Dry					

PROJECT | HOLE NO

MRK FORM 55-2

HTW DRILLING LOG

HOLE NO. SB-2AR

PROJECT | INSPECTOR | SHEET 3 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX NO. e	ANALYTICAL SAMPLE NO. f	BLOW COUNTS g	REMARKS h
	30	Dark Brown/Medium Brown Sandy Clay/Mottled with Gray Clay.					
	35						

PROJECT | HOLE NO

MRK FORM 55-2

HTW DRILLING LOG

HOLE NO. SB-1R

PROJECT

INSPECTOR

SHEET OF 3 SHEETS 3

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX NO. e	ANALYTICAL SAMPLE NO. f	BLOW COUNTS g	REMARKS h
		Gray Clay Firm					
		Brown Sandy Clay Wet					
	30						

PROJECT

HOLE NO

MRK FORM 55-2

HTW DRILLING LOG

HOLE No. SB-12R

1. COMPANY NAME: H. M. Rollins Company	2. DRILLING SUBCONTRACTOR: Betts Environmental Recovery
SHEET 1 OF 1 SHEETS 2	
3. PROJECT: Hood Packaging Corp.	4. LOCATION: River Street Valdosta, GA
NAME OF DRILLER: Caleb Harnage	6. MANUFACTURER'S DESIGNATION OF DRILL: Geoprobe
7. SIZE AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: DPT 2"x 5' spoon; 4.25 HSA	8. HOLE LOCATION: 5' east of SB-12
	9. SURFACE ELEVATION: NA
	10. DATE STARTED: 4/11/17 — 11. DATE COMPLETED: 4/11/17
12. OVERBURDEN THICKNESS:	15. DEPTH GROUNDWATER ENCOUNTERED: 15.9
13. DEPTH DRILLED INTO ROCK:	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED:
14. TOTAL DEPTH OF HOLE: 19'	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY):

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY %

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Monitoring Well set		X		

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
		Tan Sand very fine, organics					
		Gray/Dark Gray sandy clay					
		Gray Brown mottled sandy clay					
	5	Red Gray Mottled clay/firm trace Brown					
	10						

PROJECT | HOLE No.

HTW DRILLING LOG

HOLE NO. SB-12R

PROJECT

INSPECTOR

SHEET OF 2 SHEETS 2

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX NO. e	ANALYTICAL SAMPLE NO. f	BLOW COUNTS g	REMARKS h
	15	Brown/Gray Clayey Sands, unconsolidated					
		Gray with minor Brown mottling Sandy Clay/ Interbedded/wet.					
	20						

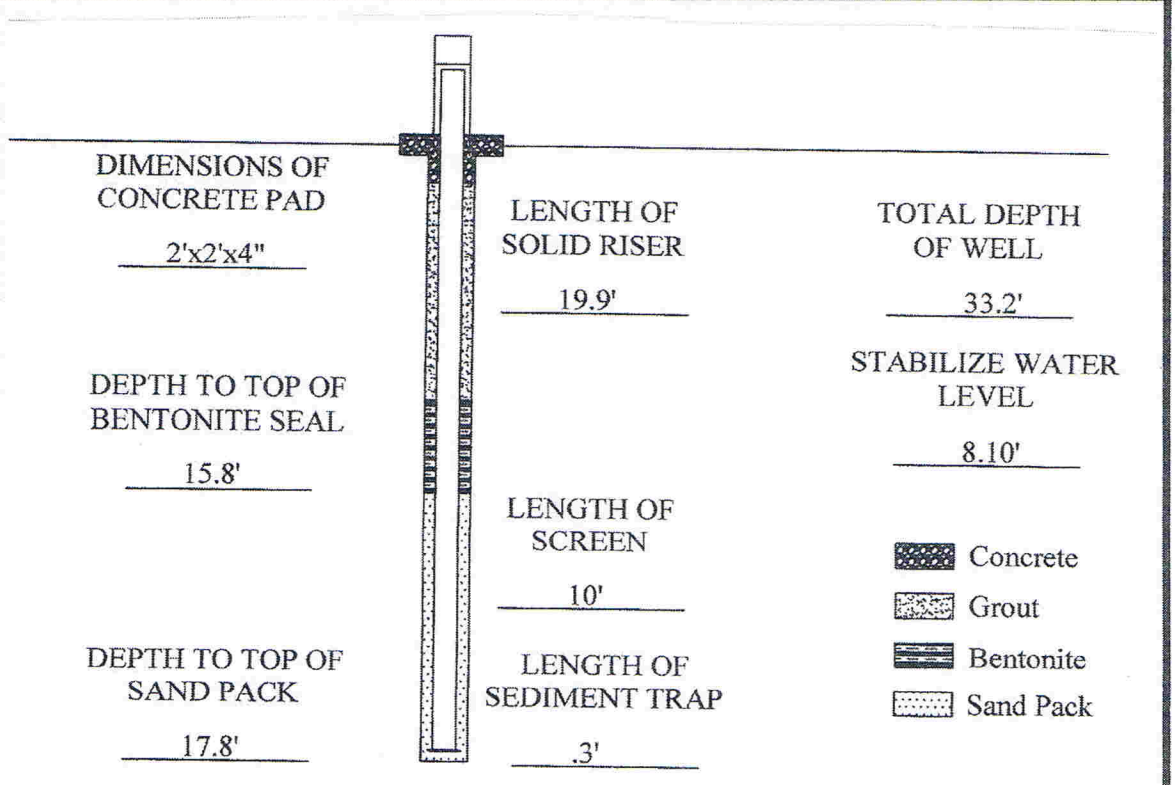
PROJECT HOLE NO

MRK FORM 55-2

Appendix B

TYPE II MONITORING WELL INSTALLATION DIAGRAM

EARTH SYSTEMS, L.L.C. 165 ELLIS MILL ROAD MILLEDGEVILLE, GA 31061	JOB NAME: Hood Packaging Corp. WELL NOUMBER: SB-1R WELL LOCATION:
Top of Casing Elevation: 188.56 Feet	Bentonite Type: POS Chips
Type Sand Pack: 20-30 washed	Cement Type: Portland
Screen Material: .01 slotted PVC	Field Geologist: Joe McVay
Riser Material: PVC	Drilling Contractor" Betts Environmental
Riser Diameter: 2"	Amount of Bentonite Used: 1 50 lb bag
Drilling Method: DPT & Rotary	Amount of Sand Used: 8 bags
Auger Size and Type: 4.25" HAS	



TYPE II MONITORING WELL INSTALLATION DIAGRAM

EARTH SYSTEMS, L.L.C. 165 ELLIS MILL ROAD MILLEDGEVILLE, GA 31061	JOB NAME: Hood Packaging Corp. WELL NOUMBER: SB-2AR WELL LOCATION:
Top of Casing Elevation: 188.21 Feet	Bentonite Type: POS Chips
Type Sand Pack: 20-30 washed	Cement Type: Portland
Screen Material: .01 slotted PVC	Field Geologist: Joe McVay
Riser Material: PVC	Drilling Contractor" Betts Environmental
Riser Diameter: 2"	Amount of Bentonite Used: 1 50 lb bag
Drilling Method: DPT & Rotary	Amount of Sand Used: 8 bags
Auger Size and Type: 4.25" HAS	

DIMENSIONS OF CONCRETE PAD

2'x2'x4"

DEPTH TO TOP OF BENTONITE SEAL

20.6'

DEPTH TO TOP OF SAND PACK

22.7'

LENGTH OF SOLID RISER

25'

LENGTH OF SCREEN

10'

LENGTH OF SEDIMENT TRAP

.3'

TOTAL DEPTH OF WELL

35.3'

STABILIZE WATER LEVEL

6.56'

Concrete

Grout

Bentonite

Sand Pack

TYPE II MONITORING WELL INSTALLATION DIAGRAM

EARTH SYSTEMS, L.L.C. 165 ELLIS MILL ROAD MILLEDGEVILLE, GA 31061	JOB NAME: Hood Packaging Corp. WELL NOUMBER: SB-4R WELL LOCATION:
Top of Casing Elevation: 193.44 Feet	Bentonite Type: POS Chips
Type Sand Pack: 20-30 washed	Cement Type: Portland
Screen Material: .01 slotted PVC	Field Geologist: Joe McVay
Riser Material: PVC	Drilling Contractor" Betts Environmental
Riser Diameter: 2"	Amount of Bentonite Used: 1 50 lb bag
Drilling Method: DPT & Rotary	Amount of Sand Used: 6 bags
Auger Size and Type: 4.25" HAS	

DIMENSIONS OF CONCRETE PAD

2'x2'x4"

DEPTH TO TOP OF BENTONITE SEAL

11.5'

DEPTH TO TOP OF SAND PACK

14.5'

LENGTH OF SOLID RISER

16.8'

LENGTH OF SCREEN

10'

LENGTH OF SEDIMENT TRAP

.3'

TOTAL DEPTH OF WELL

27.1'

STABILIZE WATER LEVEL

11.35'

- Concrete
- Grout
- Bentonite
- Sand Pack

TYPE II MONITORING WELL INSTALLATION DIAGRAM

EARTH SYSTEMS, L.L.C. 165 ELLIS MILL ROAD MILLEDGEVILLE, GA 31061	JOB NAME: Hood Packaging Corp. WELL NOUMBER: SB-12R WELL LOCATION:
Top of Casing Elevation: 198.83 Feet	Bentonite Type: POS Chips
Type Sand Pack: 20-30 washed	Cement Type: Portland
Screen Material: .01 slotted PVC	Field Geologist: Joe McVay
Riser Material: PVC	Drilling Contractor" Betts Environmental
Riser Diameter: 2"	Amount of Bentonite Used: 1 50 lb bag
Drilling Method: DPT & Rotary	Amount of Sand Used: 5 bags
Auger Size and Type: 4.25" HAS	

DIMENSIONS OF CONCRETE PAD

2'x2'x4"

DEPTH TO TOP OF BENTONITE SEAL

7.5'

DEPTH TO TOP OF SAND PACK

9.5'

LENGTH OF SOLID RISER

11.2'

LENGTH OF SCREEN

10'

LENGTH OF SEDIMENT TRAP

.3'

TOTAL DEPTH OF WELL

21.5'

STABILIZE WATER LEVEL

15.64'

Concrete

Grout

Bentonite

Sand Pack

Appendix C

4/19/17

SB-14
▽ 5.87'

9' − 5.87' = 3.13'
3.13 x .48 = 1.52 gal

Ph	Temp	Cond	Turb	Time	gal
4.32	19.61	0.164	31.2	1435	.5
4.09	19.11	0.154	25.1	1446	1.0
3.97	18.78	0.152	17.5	1452	1.5
3.98	18.66	0.151	9.54	1458	2.0
3.97	18.65	0.151	6.21	1505	2.5

Sample collected 1508

SB-15
▽ 5.16

9.2' − 5.16' = 4.04 FT
4.04 x .48 = 1.94 gal

Ph	Temp	Cond	Turb	Time	gal
4.63	18.9	.052	164	1528	.5
4.44	19.1	.050	58.2	1535	1
4.33	18.87	.049	11.88	1541	1.5
4.33	19.15	.048	5.86	1549	2.0

Sample 1555

4/19/17

SB-2
▽ 7.35'

15' − 7.35' = 7.65'
7.65 x .48 = 3.67 gal

Ph	Temp	Cond	Turb	Time	gal
4.33	19.12	.629	32.8	1612	.5
4.23	18.77	.626	34.5	1619	1
4.34	18.81	.613	51.5	1623	1.5
4.25	19.16	.612	45.4	1629	2.0
4.09	19.18	.616	12.1	1635	2.5
4.10	19.21	.637	1.55	1641	3.0
4.08	19.30	.623	6.51	1649	3.5

Sample 1658

4/19/17

SB-9

▽ = 5.418'

13' - 5.418' = 7.582'

7.52 X 0.48 = 3.61 gal

PH	Temp	COND	TURB	Time	Gal
3.39	18.72	1.591	1714	1203	1
3.419	18.54	1.502	439	1208	2
3.419	18.39	1.481	597	1212	3
3.51	18.5	1.511	440	1215	3.5
3.55	18.51	1.475	547	1218	4
3.58	18.47	1.462	402	1225	4.5
3.58	18.49	1.462	305	1232	5
3.63	18.50	1.419	299	1240	5.5
3.59	18.50	1.456	281	1245	6.0

Sample Time 1254

4/19/17

SB-9A

▽ 5.61

12 - 5.61 = 6.39

6.39 X .48 = 3.067

Ph	Temp	COND	TURB	Time	Gal
3.57	19.69	2.15	7.66	1303	.5
3.59	19.87	2.17	9.58	1314	1.5
3.62	19.99	2.18	9.55	1324	2.0
3.62	19.76	2.15	4.09	1330	2.5
3.62	20.10	2.19	3.05	1344	3.1
Sample		1347			

SB-8 4/19/17

▽ 3.19'

9' - 3.19' = 5.81'

5.81' x 0.48 = 2.79

Purge 2.79 gal

Ph	Temp	Cond	Turb	Gal
4.03	18.55	2.722	249	Ini
3.85	18.00	2.550	563	1
3.86	17.95	2.553	557	2
3.87	17.98	2.561	262	3
3.85	18.00	2.576	89.5	3.2
3.87	17.89	2.628	95.2	3.5
3.81	17.87	2.569	61.4	4
3.83	17.90	2.629	45.3	4.5
3.82	17.91	2.658	49.5	5

Sample Time 1150

Slow Recovery after 3 gal

4/20/17

SB-6

▽ 10.31'

20 - 10.31 = 9.69'

9.09 x .48 = 4.65 Gal

Ph	Temp	COND	Turb	Time	Gal
3.33	20.28	2.318	23.7	1229	1
3.13	20.15	2.314	12.1	1234	1.5 Dry
3.16	20.21	2.311	6.51	1421	2 Dry

Sample Time 1455

"Park Road Ditch"

Sample Time 1255

"River Street Ditch"

Sample Time 1305

4/20/17

SB-13

▽ 2.90'

13' - 2.90' = 10.1

10.1 x .48 = 4.85 Gal

Ph	Temp.	COND	Turb	Time	Gal
5.16	20.66	.408	27.2	1332	1
5.58	20.58	.366	15.01	1338	2
5.61	20.74	.384	16.09	1345	3
5.60	20.46	.392	10.30	1352	4
5.61	20.33	.398	8.90	1357	5

Sample Time 1405

4/20/17

SB-5

▽ 8.50'

13' - 8.50 = 4.50'

4.50 x .48 = 2.16 gal

Ph	Temp	COND	Turb	Time	gal
4.77	19.49	1.452	27.7	1047	.5
4.46	19.44	1.480	7.79	1052	1
4.28	19.36	1.488	9.54	1058	1.5
4.26	19.68	1.495	26.10	1102	2
4.25	19.16	1.487	8.75	1107	2.5

Sample Time 1010

4/20/17

SB-4R

▽ 11.35'

27.1 - 11.35 = 15.75

15.75 x .48 = 7.56 gal

Ph	Temp	COND	Turb	Time	gal
3.97	20.08	1.276	760	1135	2
3.78	19.78	1.288	168	1140	3
3.81	19.97	1.327	113	1146	4
3.84	20.24	1.359	55.4	1152	5
3.82	20.18	1.373	39.0	1156	6
3.88	20.41	1.391	15.5	1200	7
3.87	20.47	1.399	9.5	1206	8
3.95	20.38	1.410	6.5	1209	9

Sample Time 1212

4/20/17

SB-1A

▽ 5.63

53.1' - 5.63' = 47.47'

47.47 x .418 = 32.8 gal

Ph	Temp	Cond	Turb	Time	Gal
4.14	19.62	1.617	5.50	0740	.1
3.94	19.61	1.607	8.01	0749	2
4.51	19.88	1.507	14.20	0810	4
4.19	20.34	1.604	6.07	0830	6
4.59	20.31	1.490	2.37	0840	8
4.21	20.23	1.546	4.97	0900	10
4.12	20.12	1.601	3.35	0918	12
4.18	20.32	1.591	3.13	0940	14

Sample Time 0943

4/20/17

SB-12R

▽ 15.64

21.5 - 15.64 = 5.86

5.86 x .418 = 2.81 gal

Ph	TEMP	Cond	Turb	Time	Gal
5.24	18.75	.290	56.2	1006	.5
5.14	18.79	.296	31.5	1012	1
5.09	18.94	.296	15.5	1018	1.5
5.03	18.89	.294	8.48	1023	2.0
5.01	18.99	.294	5.95	1027	2.5
4.98	18.98	.291	6.95	1032	3.0

Sample Time 1035

4/19/17

SD-2AR

▽ 6.56

35' - 6.56' = 28.44

28.44 x .48 = 13.65

Ph	Temp	Cond	Turb	Time	gal
3.89	20.32	.473	468	1714	.1
3.86	20.00	.487	84.5	1720	2
3.80	20.00	.534	29.5	1725	4
3.82	20.12	.534	12.1	1733	6
3.80	20.00	.538	8.9	1738	8
3.78	19.97	.535	5.41	1745	10
3.78	19.92	.531	4.60	1751	12
				1757	14

Sample 1805

4/20/17

SB-1R

▽ 8.10'

33.2 - 8.1 = 25.1'

25.1 x .48 = 12.05 gal

Ph	Temp	Cond	Turb	Time	gal
4.70	19.91	.400	3.78	0812	.1
4.65	20.11	.375	4.13	0819	2
4.62	20.27	.372	2.55	0825	4
4.83	20.19	.396	4.09	0841	6
4.81	20.28	.400	2.21	0847	8
4.85	20.43	.407	1.92	0854	10
4.75	20.44	.423	1.29	0925	12.

Sample 0928

Appendix D

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

June 02, 2017

M. Rollins
H.M. Rollins Co.
608 34th St
Gulfport MS 39501

RE: Hood Packaging Corporation

Dear M. Rollins: Order No: 1705109

Analytical Environmental Services, Inc. received 16 samples on 4/21/2017 12:00:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES's accreditations are as follows:
-NELAC/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, and Drinking Water Microbiology, effective 07/01/16-06/30/17.
State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/16-06/30/17 and Total Coliforms and E. coli, effective 04/25/17-04/24/20.
-NELAC/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/16-06/30/17.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/17.

These results relate only to the items tested. This report may only be reproduced in full.

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

Sincerely,

Tyrel Heckendorf
Project Manager

Revision 6/2/2017

1705109

ANALYTICAL ENVIRONMENTAL SERVICES, INC
3080 Presidential Drive, Atlanta GA 30340-3704
AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1704149 TH 5/5/17

Date: 4/20/17 Page 1 of 2

COMPANY: H. M. Rollins Co.
ADDRESS: 608 34th ST Gulfport, MS 39501
PHONE: (478) 804-2355
FAX:
SAMPLED BY: Joe McVay
SIGNATURE: Joe McVay

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	PRESERVATION (See codes)	Arsenic	Beryllium	Lead	Zinc	REMARKS	No # of Containers
1	SB-1A	4/20/17	0943	X		GW	HNO3	X	X	X	X		1
2	SB-1R	4/20/17	0928	X		GW	HNO3	X	X	X	X		1
3	SB-2	4/19/17	1658	X		GW	HNO3	X	X	X	X		1
4	SB-2AR	4/19/17	1805	X		GW	HNO3	X	X	X	X		1
5	SB-4R	4/20/17	1212	X		GW	HNO3	X	X	X	X		1
6	SB-5	4/20/17	1110	X		GW	HNO3	X	X	X	X		1
7	SB-6	4/20/17	1455	X		GW	HNO3	X	X	X	X		1
8	SB-8	4/19/17	1150	X		GW	HNO3	X	X	X	X		1
9	SB-9	4/19/17	1254	X		GW	HNO3	X	X	X	X		1
10	SB-9A	4/19/17	1347	X		GW	HNO3	X	X	X	X		1
11	SB-12R	4/20/17	1035	X		GW	HNO3	X	X	X	X		1
12	SB-13	4/20/17	1405	X		GW	HNO3	X	X	X	X		1
13	SB-14	4/19/17	1508	X		GW	HNO3	X	X	X	X		1
14	SB-15	4/19/17	1555	X		GW	HNO3	X	X	X	X		1

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY: 1: Joe McVay DATE/TIME: 4-21-17 1200
RECEIVED BY: 1: DATE/TIME: 4/21/17 1200

PROJECT INFORMATION
PROJECT NAME: H000 Packaging Corporation
PROJECT #:
SITE ADDRESS: River Street Valdosta, GA
SEND REPORT TO: MRollins@hmrollins.com
INVOICE TO: (IF DIFFERENT FROM ABOVE) P.O. Box 3471 Gulfport, MS 39505
QUOTE #: PO#:

RECEIPT
Total # of Containers

Turnaround Time Request
- [X] Standard 5 Business Days
- [ ] 2 Business Day Rush
- [ ] Next Business Day Rush
- [ ] Same Day Rush (auth req.)
- [ ] Other

STATE PROGRAM (if any):
E-mail? Y / N; Fax? Y / N
DATA PACKAGE: I II III IV

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT / / VIA:
IN / / VIA:
CLIENT FedEx UPS MAIL COURIER
GREYHOUND OTHER

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES.
SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704

AES TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1705109 ~~1704E49~~ TH 5/5/17

Date: _____ Page 2 of 2

COMPANY: H. M. Rollins CO.	ADDRESS: 608 34th ST Gulfport MS. 39501
PHONE: (478) 804-2355	FAX:
SAMPLED BY: Joe McVay	SIGNATURE: Joe McVay

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	Grab	Composite	Matrix (See codes)	PRESERVATION (See codes)	Arsenic	Beryllium	Lead	Zinc	REMARKS	No # of Containers
1	Pack Road Ditch	4/20/17	1255	X		GW	HNO_3	X	X	X	X		1
2	River Street Ditch	4/20/17	1305	X		GW	HNO_3	X	X	X	X		1
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													

Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: Joe McVay	4-21-17 1200	1: Lynn Fleming	4/21/17 1200
2:		2:	
3:		3:	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD

OUT / / VIA:

IN / / VIA:

CLIENT FedEx UPS MAIL COURIER

GREYHOUND OTHER_____

PROJECT INFORMATION

PROJECT NAME: HOOD Packaging Corp.

PROJECT #:

SITE ADDRESS: River Street Valdosta, GA

SEND REPORT TO: mrollins@hmrollins.com

INVOICE TO: (IF DIFFERENT FROM ABOVE) P.O. Box 3471 Gulfport MS 39505

QUOTE #: _____ PO#: _____

RECEIPT

Total # of Containers

Turnaround Time Request

- ⊗ Standard 5 Business Days
- ○ 2 Business Day Rush
- ○ Next Business Day Rush
- ○ Same Day Rush (auth req.)
- ○ Other _____

STATE PROGRAM (if any): _____

E-mail? Y / N; Fax? Y / N

DATA PACKAGE: I II III IV

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES.
SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Client: H.M. Rollins Co.
Project: Hood Packaging Corporation
Lab ID: 1705109

Case Narrative

Per Martin Rollins via phone on 5/1/2017, samples from Work Order 1704I49 were logged in and analyzed under Work Order 1705109 by 200.8 at a 4 day turnaround.

_____Analysis by Method 200.8_____:

Matrix spike recoveries for Zn on sample 1705109-010A (SB-9A) were outside control limits due to insignificant spike amount as compared to sample concentration. LCS recovery was within control limits indicating possible matrix interference.

Analytical Environmental Services, Inc **Date:** 2-Jun-17

Client:	H.M. Rollins Co.	**Client Sample ID:**	SB-1A
Project Name:	Hood Packaging Corporation	**Collection Date:**	4/20/2017 9:43:00 AM
Lab ID:	1705109-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				**(E200.2)**				
Arsenic	BRL	5.00		ug/L	241958	1	05/03/2017 20:27	JS
Barium	12.5	10.0		ug/L	241958	1	05/03/2017 20:27	JS
Lead	BRL	1.00		ug/L	241958	1	05/03/2017 20:27	JS
Zinc	374	10.0		ug/L	241958	1	05/03/2017 20:27	JS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 2-Jun-17

Client:	H.M. Rollins Co.	**Client Sample ID:**	SB-1R
Project Name:	Hood Packaging Corporation	**Collection Date:**	4/20/2017 9:28:00 AM
Lab ID:	1705109-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				**(E200.2)**				
Arsenic	BRL	5.00		ug/L	241958	1	05/03/2017 20:34	JS
Barium	44.3	10.0		ug/L	241958	1	05/03/2017 20:34	JS
Lead	BRL	1.00		ug/L	241958	1	05/03/2017 20:34	JS
Zinc	13.6	10.0		ug/L	241958	1	05/03/2017 20:34	JS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 2-Jun-17

Client:	H.M. Rollins Co.	**Client Sample ID:**	SB-2
Project Name:	Hood Packaging Corporation	**Collection Date:**	4/19/2017 4:58:00 PM
Lab ID:	1705109-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				**(E200.2)**				
Arsenic	9.16	5.00		ug/L	241958	1	05/03/2017 20:40	JS
Barium	25.9	10.0		ug/L	241958	1	05/03/2017 20:40	JS
Lead	BRL	1.00		ug/L	241958	1	05/03/2017 20:40	JS
Zinc	526	10.0		ug/L	241958	1	05/03/2017 20:40	JS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 2-Jun-17

Client:	H.M. Rollins Co.	**Client Sample ID:**	SB-2AR
Project Name:	Hood Packaging Corporation	**Collection Date:**	4/19/2017 6:05:00 PM
Lab ID:	1705109-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				**(E200.2)**				
Arsenic	BRL	5.00		ug/L	241958	1	05/03/2017 21:04	JS
Barium	46.3	10.0		ug/L	241958	1	05/03/2017 21:04	JS
Lead	BRL	1.00		ug/L	241958	1	05/03/2017 21:04	JS
Zinc	408	10.0		ug/L	241958	1	05/03/2017 21:04	JS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 2-Jun-17

Client:	H.M. Rollins Co.	**Client Sample ID:**	SB-4R
Project Name:	Hood Packaging Corporation	**Collection Date:**	4/20/2017 12:12:00 PM
Lab ID:	1705109-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				**(E200.2)**				
Arsenic	BRL	5.00		ug/L	241958	1	05/03/2017 21:11	JS
Barium	BRL	10.0		ug/L	241958	1	05/03/2017 21:11	JS
Lead	BRL	1.00		ug/L	241958	1	05/03/2017 21:11	JS
Zinc	2230	10.0		ug/L	241958	1	05/03/2017 21:11	JS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 2-Jun-17

Client:	H.M. Rollins Co.	**Client Sample ID:**	SB-5
Project Name:	Hood Packaging Corporation	**Collection Date:**	4/20/2017 11:10:00 AM
Lab ID:	1705109-006	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				**(E200.2)**				
Arsenic	39.2	5.00		ug/L	241958	1	05/03/2017 21:17	JS
Barium	BRL	10.0		ug/L	241958	1	05/03/2017 21:17	JS
Lead	BRL	1.00		ug/L	241958	1	05/03/2017 21:17	JS
Zinc	1180	10.0		ug/L	241958	1	05/03/2017 21:17	JS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 2-Jun-17

Client:	H.M. Rollins Co.	**Client Sample ID:**	SB-6
Project Name:	Hood Packaging Corporation	**Collection Date:**	4/20/2017 2:55:00 PM
Lab ID:	1705109-007	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				**(E200.2)**				
Arsenic	71.5	5.00		ug/L	241958	1	05/03/2017 21:23	JS
Barium	11.4	10.0		ug/L	241958	1	05/03/2017 21:23	JS
Lead	464	1.00		ug/L	241958	1	05/03/2017 21:23	JS
Zinc	1920	10.0		ug/L	241958	1	05/03/2017 21:23	JS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 2-Jun-17

Client:	H.M. Rollins Co.	**Client Sample ID:**	SB-8
Project Name:	Hood Packaging Corporation	**Collection Date:**	4/19/2017 11:50:00 AM
Lab ID:	1705109-008	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				**(E200.2)**				
Arsenic	BRL	5.00		ug/L	241958	1	05/03/2017 21:29	JS
Barium	53.8	10.0		ug/L	241958	1	05/03/2017 21:29	JS
Lead	5.74	1.00		ug/L	241958	1	05/03/2017 21:29	JS
Zinc	2230	10.0		ug/L	241958	1	05/03/2017 21:29	JS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 2-Jun-17

Client:	H.M. Rollins Co.	**Client Sample ID:**	SB-9
Project Name:	Hood Packaging Corporation	**Collection Date:**	4/19/2017 12:54:00 PM
Lab ID:	1705109-009	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				**(E200.2)**				
Arsenic	BRL	5.00		ug/L	241958	1	05/03/2017 20:15	JS
Barium	60.6	10.0		ug/L	241958	1	05/03/2017 20:15	JS
Lead	3.95	1.00		ug/L	241958	1	05/03/2017 20:15	JS
Zinc	2270	10.0		ug/L	241958	1	05/03/2017 20:15	JS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 2-Jun-17

Client:	H.M. Rollins Co.	**Client Sample ID:**	SB-9A
Project Name:	Hood Packaging Corporation	**Collection Date:**	4/19/2017 1:47:00 PM
Lab ID:	1705109-010	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				**(E200.2)**				
Arsenic	BRL	5.00		ug/L	241958	1	05/03/2017 21:35	JS
Barium	10.8	10.0		ug/L	241958	1	05/03/2017 21:35	JS
Lead	BRL	1.00		ug/L	241958	1	05/03/2017 21:35	JS
Zinc	4390	10.0		ug/L	241958	1	05/03/2017 21:35	JS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 2-Jun-17

Client:	H.M. Rollins Co.	**Client Sample ID:**	SB-12R
Project Name:	Hood Packaging Corporation	**Collection Date:**	4/20/2017 10:35:00 AM
Lab ID:	1705109-011	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				**(E200.2)**				
Arsenic	6.72	5.00		ug/L	241958	1	05/03/2017 21:42	JS
Barium	187	10.0		ug/L	241958	1	05/03/2017 21:42	JS
Lead	4.20	1.00		ug/L	241958	1	05/03/2017 21:42	JS
Zinc	44.3	10.0		ug/L	241958	1	05/03/2017 21:42	JS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 2-Jun-17

Client:	H.M. Rollins Co.	**Client Sample ID:**	SB-13
Project Name:	Hood Packaging Corporation	**Collection Date:**	4/20/2017 2:05:00 PM
Lab ID:	1705109-012	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				**(E200.2)**				
Arsenic	20.7	5.00		ug/L	241958	1	05/03/2017 21:48	JS
Barium	90.2	10.0		ug/L	241958	1	05/03/2017 21:48	JS
Lead	38.6	1.00		ug/L	241958	1	05/03/2017 21:48	JS
Zinc	359	10.0		ug/L	241958	1	05/03/2017 21:48	JS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 2-Jun-17

Client:	H.M. Rollins Co.	**Client Sample ID:**	SB-14
Project Name:	Hood Packaging Corporation	**Collection Date:**	4/19/2017 3:08:00 PM
Lab ID:	1705109-013	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				**(E200.2)**				
Arsenic	29.9	5.00		ug/L	241958	1	05/03/2017 21:54	JS
Barium	42.4	10.0		ug/L	241958	1	05/03/2017 21:54	JS
Lead	144	1.00		ug/L	241958	1	05/03/2017 21:54	JS
Zinc	108	10.0		ug/L	241958	1	05/03/2017 21:54	JS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 2-Jun-17

Client:	H.M. Rollins Co.	**Client Sample ID:**	SB-15
Project Name:	Hood Packaging Corporation	**Collection Date:**	4/19/2017 3:55:00 PM
Lab ID:	1705109-014	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				**(E200.2)**				
Arsenic	BRL	5.00		ug/L	241958	1	05/03/2017 22:00	JS
Barium	33.6	10.0		ug/L	241958	1	05/03/2017 22:00	JS
Lead	BRL	1.00		ug/L	241958	1	05/03/2017 22:00	JS
Zinc	BRL	10.0		ug/L	241958	1	05/03/2017 22:00	JS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 2-Jun-17

Client:	H.M. Rollins Co.	**Client Sample ID:**	PARK ROAD DITCH
Project Name:	Hood Packaging Corporation	**Collection Date:**	4/20/2017 12:55:00 PM
Lab ID:	1705109-015	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				**(E200.2)**				
Arsenic	BRL	5.00		ug/L	241958	1	05/04/2017 16:38	JS
Barium	38.6	10.0		ug/L	241958	1	05/04/2017 16:38	JS
Lead	1.68	1.00		ug/L	241958	1	05/04/2017 16:38	JS
Zinc	134	10.0		ug/L	241958	1	05/04/2017 16:38	JS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 2-Jun-17

Client:	H.M. Rollins Co.	**Client Sample ID:**	RIVER STREET DITCH
Project Name:	Hood Packaging Corporation	**Collection Date:**	4/20/2017 1:05:00 PM
Lab ID:	1705109-016	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				**(E200.2)**				
Arsenic	BRL	5.00		ug/L	241958	1	05/04/2017 16:44	JS
Barium	39.7	10.0		ug/L	241958	1	05/04/2017 16:44	JS
Lead	19.6	1.00		ug/L	241958	1	05/04/2017 16:44	JS
Zinc	113	10.0		ug/L	241958	1	05/04/2017 16:44	JS

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	NC	Not confirmed
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Clear Save as

ANALYTICAL ENVIRONMENTAL SERVICES, INC. AES

SAMPLE/COOLER RECEIPT CHECKLIST

1705109

1. Client Name: **H.M. Rollins Co.** AES Work Order Number: ~~1704149~~ 4H 5/5/17

2. Carrier: FedEx ☐ UPS ☐ USPS ☐ Client ☒ Courier ☐ Other _____

		Yes	No	N/A	Details	Comments
3.	Shipping container/cooler received in good condition?	◉	○	○	damaged ☐ leaking ☐ other ☐	
4.	Custody seals present on shipping container?	○	◉	○		
5.	Custody seals intact on shipping container?	○	○	◉		
6.	Temperature blanks present?	◉	○	○		
7.	Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	○	○	◉	Cooling initiated for recently collected samples / ice present ☐	
8.	Chain of Custody (COC) present?	◉	○	○		
9.	Chain of Custody signed, dated, and timed when relinquished and received?	◉	○	○		
10.	Sampler name and/or signature on COC?	◉	○	○		
11.	Were all samples received within holding time?	◉	○	○		
12.	TAT marked on the COC?	◉	○	○	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. ☐	

13. Cooler 1 Temperature 10.2 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). MJ 4/21/17

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	◉	○	○		
17.	Custody seals present on sample containers?	○	◉	○		
18.	Custody seals intact on sample containers?	○	○	◉		
19.	Do sample container labels match the COC?	◉	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	◉	○	○		
21.	Were all of the samples listed on the COC received?	◉	○	○	samples received but not listed on COC ☐ samples listed on COC not received ☐	
22.	Was the sample collection date/time noted?	◉	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	◉	○	○		
24.	Were samples received in appropriate containers?	◉	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	○	○	◉		
26.	Were trip blanks submitted?	○	○	◉	listed on COC ☐ not listed on COC ☐	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). TR 4/24/17

		Yes	No	N/A	Details	Comments
28.	Have containers needing chemical preservation been checked?	◉	○	○		
29.	Containers meet preservation guidelines?	◉	○	○		
30.	Was pH adjusted?	○	○	◉		

I certify that I have completed sections 28-30 (dated initials). TR 4/24/17

Lock Checklist

Client: H.M. Rollins Co.
Project Name: Hood Packaging Corporation
Workorder: 1705109

ANALYTICAL QC SUMMARY REPORT

BatchID: 241958

Sample ID: **MB-241958** Client ID: Units: **ug/L** Prep Date: **05/02/2017** Run No: **342208**
SampleType: **MBLK** TestCode: **Trace Elements by ICP/MS E200.8** BatchID: **241958** Analysis Date: **05/03/2017** Seq No: **7497284**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	5.00									
Barium	BRL	10.0									
Lead	BRL	1.00									
Zinc	BRL	10.0									

Sample ID: **LCS-241958** Client ID: Units: **ug/L** Prep Date: **05/02/2017** Run No: **342208**
SampleType: **LCS** TestCode: **Trace Elements by ICP/MS E200.8** BatchID: **241958** Analysis Date: **05/03/2017** Seq No: **7497285**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	104.1	5.00	100.0		104	85	115				
Barium	101.0	10.0	100.0		101	85	115				
Lead	100.5	1.00	100.0		100	85	115				
Zinc	103.8	10.0	100.0		104	85	115				

Sample ID: **1704O37-001AMS** Client ID: Units: **ug/L** Prep Date: **05/02/2017** Run No: **342208**
SampleType: **MS** TestCode: **Trace Elements by ICP/MS E200.8** BatchID: **241958** Analysis Date: **05/03/2017** Seq No: **7497289**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	87.63	5.00	100.0	2.560	85.1	70	130				
Barium	116.2	10.0	100.0	14.09	102	70	130				
Lead	105.2	1.00	100.0		105	70	130				
Zinc	205.9	10.0	100.0	101.0	105	70	130				

Sample ID: **1705109-010AMS** Client ID: **SB-9A** Units: **ug/L** Prep Date: **05/02/2017** Run No: **342208**
SampleType: **MS** TestCode: **Trace Elements by ICP/MS E200.8** BatchID: **241958** Analysis Date: **05/03/2017** Seq No: **7497293**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	95.78	5.00	100.0		95.8	70	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: H.M. Rollins Co.
Project Name: Hood Packaging Corporation
Workorder: 1705109

ANALYTICAL QC SUMMARY REPORT

BatchID: 241958

Sample ID: **1705109-010AMS** Client ID: **SB-9A** Units: **ug/L** Prep Date: **05/02/2017** Run No: **342208**
SampleType: **MS** TestCode: **Trace Elements by ICP/MS E200.8** BatchID: **241958** Analysis Date: **05/03/2017** Seq No: **7497293**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Barium	110.6	10.0	100.0	10.78	99.8	70	130				
Lead	105.6	1.00	100.0	0.2060	105	70	130				
Zinc	4452	10.0	100.0	4386	66.0	70	130				S

Sample ID: **1704O37-001AMSD** Client ID: Units: **ug/L** Prep Date: **05/02/2017** Run No: **342208**
SampleType: **MSD** TestCode: **Trace Elements by ICP/MS E200.8** BatchID: **241958** Analysis Date: **05/03/2017** Seq No: **7497290**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	88.42	5.00	100.0	2.560	85.9	70	130	87.63	0.897	20	
Barium	115.9	10.0	100.0	14.09	102	70	130	116.2	0.259	20	
Lead	104.9	1.00	100.0		105	70	130	105.2	0.286	20	
Zinc	189.3	10.0	100.0	101.0	88.3	70	130	205.9	8.40	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Appendix E

Hood Packaging
Valdosta GA
R. M. Rollins

On Site 7-31-17
Arrived on site 8:00 A.M.
Started locating grid corners
Found E-4, E-1, E-3
Went to set mini baseline at 9:30
Back & finished grid location
Marked 25 ft grids with wooden stakes -
Lunch -
Marked center of grid #1 @ NW corner
Took photos of grid 1 & north & west lines
Set a stake just west of grid center
At SP #1 concrete slab @ ~ 16"
Lots of bricks - whole & pieces but soil is black sandy loam - Took photos
Sampled from side wall into SS pan using SS spoon. Stuff is solid tan brown
Lots of root fragment. Some small red brick fragments. Took about 1 quart of sample - placed in ziplock bag & marked

Sample Point 2 - similar to Sample Point (SP) 1
Bricks + black sandy loam - Slab at 13 inches
Sampled as before. About 1 quart
few brick fragments + root filaments 3:28

Sample Point 3 - similar to SP 1 + SP 2
no whole bricks though but some brick
fragments. still black sandy loam.
root filaments. About 1 quart from
side wall as before 3:55
Slab at 12" now

Sample Point 4 - similar to S1-S3
some bricks + fragments - black sandy
loam root filaments. Slab at 10"
sample a little deeper 4:15

SP#5 - No slab here. Top 18"
similar to S1-S4 - Fewer bricks +
fragments Bottom 6" tan + white
clayey sand. Sampled as before
1 quart.
Back filled + parked front in lockup
left 5:10

8/1/17
On-site 8:00 Set up gear get location
Staked center of SP 6
Dug to 24" hit slab at 14" in south
part of the hole. Damp black sandy loam -
some brick pieces. Took 1 quart from
sidewall as before

SP 7 - Back to the west on second
wall. Slab at 14" Soil
as before - some bricks some wood
scraps - Sampled as before

SP 8 - Lots of bricks otherwise
soil as before slab at 16"
sampled as before

SP 9 - Few bricks metal debris +
char slab at 14" on north side
of hole - not on south - dug to
24" sampled as before
appa soil to slab same as before
bottom 6" tan clayey sand

SP-10 Slag at 14" Some bricks White gravelly material ~ 6" on top of slag. Thin location on west edge of unvegetated area. Soils above same as before. Pretty good sized depression on south side of this grid.

SP-11 West edge of unvegetated area slag at 13" some bricks, none of the white stuff seen at SP-10. Ant bed. Soils as before Sampled as before 10:39

SP-12 Bricks & metal debris Slag at 12" Soil as before black sandy loam. Sampled as before. Some whitish gravelly material at bottom Slag transitions to a footing on south end - comes to near the surface 10:55

8/1/17

SP-13 Slab at 11" - Soil
as before Bricks (whole)
Sampled as before 11:18

SP-14 Slab at 13" Soil
as before few bricks
Sampled as before 11:30

SP-15 NO slab here
Debris field old timbers 1/4 cables
bricks etc Dug 24" sampled
from sidewall as before
Soils as before. Suspect this
is buried debris - could be
tied to depression just 10' north

SP-16 Slab at 13". Some
woody debris + bricks. Soil
as usual. Thin layer of
white cemented material on
top of slab. Sampled as before
Some char in side wall near bottom

SP-17 Several concrete structures at surface in this grid Slab at 10" - Big timbers removed, white stuff on top of slab here also Some metal brick pieces Soil as before Sampled as before 1:29

SP-18 Slab at 11" Some woody debris, brick pieces. Soil as usual. Sampled as before 1:45

SP-19 West corner 4th row Slab at 7". Soil still black sandy loam. Some bricks 1:58

SP-20 Slab at 11", Soil as before some bricks Sampled as always 2:13

S.21 Slab at 8" Soil same as others Some bricks some woody debris sampled as before. 2:25

SP-22 Slab at 11" Soils the same - some brick pieces Sampled as before 2:38

SP-23 Slab at 7" Soils the same less bricks Sampled as before 2:52

SP-24 No slab here but lots of debris - big timber slag brick, metal Soils as before Sampled as before 0-24". 3:08

SP-25 Slab at 8" Soil as others maybe less debris Sampled as before 3:26

SP-26 Slab at 8" Soil as others some brick pieces Sampled as before 3:36

8/1/17

SP-27 Slab at 10" Soil as before. Some bricks and pipe Sampled as before 3:51

Last sample for the day
Took tractor to put it up
Packed up gear
8/2/17

SP-28 Slab at 10" Few bricks Soil as before. Sampled as before 8:48

SP-29 Slab at 7" Less debris Soil as before Sampled as before. More small pieces of brick observed during sampling 9:01

S-30 Slab at 6" Soil as before Sampled as before 9:13

8/2/17

SP-31 Slab at 5" Soil as before Sampled as before 9:27

SP-32 Slab at 6" Soil as before - some gravel or slag Sampled as before Lot of brick fragments 9:47

SP-33 Slab at 10" Soil as before 1/2 of sand on top of slab Sampled as before Brick fragments. 10:04

SP-34 Slab at 10" Soil as before Some brick fragments Sampled as before 10:15

SP-35 Slab at 8" appears to stop at center of hole. No slab on south half Bricks, woody debris Brick frags, Soil as before. Sampled as before Dug some more to south slab is still there

8/2/17

SP-3b. Slab at 8" Soil as usual brick fragments Sampled as before.

Appendix F

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

August 18, 2017

M. Rollins
H.M. Rollins Co.

608 34th St
Gulfport MS 39501

RE: HOOD Packaging Corporation

Dear M. Rollins: Order No: 1708B58

Analytical Environmental Services, Inc. received 1 samples on 8/10/2017 3:35:00 PM
for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES's accreditations are as follows:
-NELAC/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, and Drinking Water Microbiology, effective 07/01/17-06/30/18.
State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/17-06/30/18 and Total Coliforms and E. coli, effective 04/25/17-04/24/20.
-NELAC/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/17-06/30/18.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/17.

These results relate only to the items tested. This report may only be reproduced in full.

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

Sincerely,

Tyrel Heckendorf

Project Manager

1708B58

H. M. ROLLINS CO., INC. P.O. BOX 3471, GULFPORT, MS 39505
ANALYSIS REQUEST AND CHAIN-OF-CUSTODY DOCUMENT

Site:
HOOD PACKAGING CORPORATION
Valdosta, Georgia

Samplers: (Signature) H M Rollins

DATE	TIME	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYZE FOR: (SW-846 OR EQUIVALENT METHODS) PCBs	TCLP - Complete	Arsenic, Lead, Zinc				REMARKS (PURGE VOLUME, COLOR, ODOR, etc.)
8/8/17	8:30am	LA-4 Composite	1-8oz Gl	✓	✓	✓				Soil sample

ADDITIONAL REMARKS OR INSTRUCTIONS: Call Martin Rollins with any questions. 228-832-1738
ATTN: Tyrel Heckendorf

RELINQUISHED BY: H M Rollins TIME/DATE: 11:00 a.m 8/8/17	RELINQUISHED BY: TIME/DATE:	LABORATORY:
RECEIVED BY: U.S. Priority Mail TIME/DATE: 11:00 a.m 8/8/17	RECEIVED BY: TIME/DATE: 8/10/17 3:35 p (USPS)	LAB COMMENTS:

SOIL - COFC.XLS

Client: H.M. Rollins Co.
Project: HOOD Packaging Corporation
Lab ID: 1708B58

Case Narrative

Semi-Volatile Organics Analysis by Method 8270D/1311:

LCS-246932 recovery for o-Cresol, m,p-Cresol, Cresols, Total, 2,4-Dinitrotoluene was outside control limits biased high. Target analyte was not detected in the analytical samples and data is reportable with high bias.

Sample Receiving Nonconformance:

Samples for WO 1708B58 were received at ambient temp. outside required temperature range of 0-6°C. No ice or melted ice was present. Laboratory proceeded with analysis per client request.

Analytical Environmental Services, Inc **Date:** 18-Aug-17

Client:	H.M. Rollins Co.	**Client Sample ID:**	LA-4 COMPOSITE
Project Name:	HOOD Packaging Corporation	**Collection Date:**	8/8/2017 8:30:00 AM
Lab ID:	1708B58-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILES, TCLP SW1311/8260B				**(SW5030B)**				
1,1-Dichloroethene	BRL	0.10		mg/L	246974	20	08/15/2017 14:26	AR
1,2-Dichloroethane	BRL	0.10		mg/L	246974	20	08/15/2017 14:26	AR
2-Butanone	BRL	0.20		mg/L	246974	20	08/15/2017 14:26	AR
Benzene	BRL	0.10		mg/L	246974	20	08/15/2017 14:26	AR
Carbon tetrachloride	BRL	0.10		mg/L	246974	20	08/15/2017 14:26	AR
Chlorobenzene	BRL	0.10		mg/L	246974	20	08/15/2017 14:26	AR
Chloroform	BRL	0.10		mg/L	246974	20	08/15/2017 14:26	AR
Tetrachloroethene	BRL	0.10		mg/L	246974	20	08/15/2017 14:26	AR
Trichloroethene	BRL	0.10		mg/L	246974	20	08/15/2017 14:26	AR
Vinyl chloride	BRL	0.040		mg/L	246974	20	08/15/2017 14:26	AR
Surr: 4-Bromofluorobenzene	99.3	68.3-122		%REC	246974	20	08/15/2017 14:26	AR
Surr: Dibromofluoromethane	102	70.1-125		%REC	246974	20	08/15/2017 14:26	AR
Surr: Toluene-d8	102	81.4-120		%REC	246974	20	08/15/2017 14:26	AR
SEMIVOLATILES ORGANICS, TCLP SW1311/8270D				**(SW3510C)**				
1,4-Dichlorobenzene	BRL	0.10		mg/L	246932	1	08/16/2017 13:54	YH
2,4,5-Trichlorophenol	BRL	0.10		mg/L	246932	1	08/16/2017 13:54	YH
2,4,6-Trichlorophenol	BRL	0.10		mg/L	246932	1	08/16/2017 13:54	YH
2,4-Dinitrotoluene	BRL	0.10		mg/L	246932	1	08/16/2017 13:54	YH
Hexachlorobenzene	BRL	0.10		mg/L	246932	1	08/16/2017 13:54	YH
Hexachlorobutadiene	BRL	0.10		mg/L	246932	1	08/16/2017 13:54	YH
Hexachloroethane	BRL	0.10		mg/L	246932	1	08/16/2017 13:54	YH
m,p-Cresol	BRL	0.10		mg/L	246932	1	08/16/2017 13:54	YH
Nitrobenzene	BRL	0.10		mg/L	246932	1	08/16/2017 13:54	YH
o-Cresol	BRL	0.10		mg/L	246932	1	08/16/2017 13:54	YH
Pentachlorophenol	BRL	0.50		mg/L	246932	1	08/16/2017 13:54	YH
Pyridine	BRL	0.10		mg/L	246932	1	08/16/2017 13:54	YH
Cresols, Total	BRL	0.10		mg/L	246932	1	08/16/2017 13:54	YH
Surr: 2,4,6-Tribromophenol	85.7	52.1-146		%REC	246932	1	08/16/2017 13:54	YH
Surr: 2-Fluorobiphenyl	83.8	50.7-134		%REC	246932	1	08/16/2017 13:54	YH
Surr: 2-Fluorophenol	90.1	47-122		%REC	246932	1	08/16/2017 13:54	YH
Surr: 4-Terphenyl-d14	96.7	54.4-139		%REC	246932	1	08/16/2017 13:54	YH
Surr: Nitrobenzene-d5	81.6	46.4-135		%REC	246932	1	08/16/2017 13:54	YH
Surr: Phenol-d5	94.2	48.2-122		%REC	246932	1	08/16/2017 13:54	YH
POLYCHLORINATED BIPHENYLS SW8082A				**(SW3550C)**				
Aroclor 1016	BRL	38		ug/Kg-dry	246886	1	08/16/2017 18:56	RS
Aroclor 1221	BRL	38		ug/Kg-dry	246886	1	08/16/2017 18:56	RS
Aroclor 1232	BRL	38		ug/Kg-dry	246886	1	08/16/2017 18:56	RS
Aroclor 1242	BRL	38		ug/Kg-dry	246886	1	08/16/2017 18:56	RS
Aroclor 1248	BRL	38		ug/Kg-dry	246886	1	08/16/2017 18:56	RS

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 18-Aug-17

Client:	H.M. Rollins Co.	**Client Sample ID:**	LA-4 COMPOSITE
Project Name:	HOOD Packaging Corporation	**Collection Date:**	8/8/2017 8:30:00 AM
Lab ID:	1708B58-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYCHLORINATED BIPHENYLS SW8082A				**(SW3550C)**				
Aroclor 1254	BRL	38		ug/Kg-dry	246886	1	08/16/2017 18:56	RS
Aroclor 1260	BRL	38		ug/Kg-dry	246886	1	08/16/2017 18:56	RS
Surr: Decachlorobiphenyl	94.9	43.2-138		%REC	246886	1	08/16/2017 18:56	RS
Surr: Tetrachloro-m-xylene	70.5	46-128		%REC	246886	1	08/16/2017 18:56	RS
PESTICIDES, TCLP SW1311/8081B				**(SW3510C)**				
Chlordane	BRL	0.0050		mg/L	246937	1	08/17/2017 11:23	RS
Endrin	BRL	0.0010		mg/L	246937	1	08/17/2017 11:23	RS
gamma-BHC	BRL	0.00050		mg/L	246937	1	08/17/2017 11:23	RS
Heptachlor	BRL	0.00050		mg/L	246937	1	08/17/2017 11:23	RS
Heptachlor epoxide	BRL	0.00050		mg/L	246937	1	08/17/2017 11:23	RS
Methoxychlor	BRL	0.0050		mg/L	246937	1	08/17/2017 11:23	RS
Toxaphene	BRL	0.050		mg/L	246937	1	08/17/2017 11:23	RS
Surr: Decachlorobiphenyl	85.5	35.2-135		%REC	246937	1	08/17/2017 11:23	RS
Surr: Tetrachloro-m-xylene	101	47-133		%REC	246937	1	08/17/2017 11:23	RS
MERCURY, TCLP SW1311/7470A				**(SW7470A)**				
Mercury	BRL	0.00400		mg/L	246961	1	08/16/2017 01:18	AS
ICP METALS, TCLP SW1311/6010C				**(SW3010A)**				
Arsenic	BRL	0.250		mg/L	247138	1	08/17/2017 17:47	JR
Barium	BRL	0.500		mg/L	247138	1	08/17/2017 17:47	JR
Cadmium	BRL	0.0250		mg/L	247138	1	08/17/2017 17:47	JR
Chromium	BRL	0.0500		mg/L	247138	1	08/17/2017 17:47	JR
Lead	0.116	0.0500		mg/L	247138	1	08/18/2017 13:53	JR
Selenium	BRL	0.100		mg/L	247138	1	08/17/2017 17:47	JR
Silver	BRL	0.0250		mg/L	247138	1	08/17/2017 17:47	JR
HERBICIDES, TCLP SW1311/8151A				**(SW3510C)**				
2,4,5-TP (Silvex)	BRL	0.20		mg/L	246933	1	08/16/2017 18:16	AW
2,4-D	BRL	0.20		mg/L	246933	1	08/16/2017 18:16	AW
Surr: DCAA	64.6	50.1-132		%REC	246933	1	08/16/2017 18:16	AW
METALS, TOTAL SW6010D				**(SW3050B)**				
Arsenic	55.2	4.06		mg/Kg-dry	246885	1	08/14/2017 18:57	IO
Lead	507	4.06		mg/Kg-dry	246885	1	08/14/2017 18:57	IO
Zinc	2650	4.06		mg/Kg-dry	246885	1	08/14/2017 18:57	IO
PERCENT MOISTURE D2216								
Percent Moisture	12.0	0		wt%	R349915	1	08/16/2017 14:00	AK

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- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Clear Save as

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **H.M. Rollins Co.** AES Work Order Number: **1708B58**

2. Carrier: FedEx ☐ UPS ☐ USPS ■ Client ☐ Courier ☐ Other _____

		Yes	No	N/A	Details	Comments
3.	Shipping container/cooler received in good condition?	●	○	○	damaged ☐ leaking ☐ other ☐	
4.	Custody seals present on shipping container?	○	●	○		
5.	Custody seals intact on shipping container?	○	○	●		
6.	Temperature blanks present?	○	○	●		
7.	Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	○	●	○	Cooling initiated for recently collected samples / ice present ☐	
8.	Chain of Custody (COC) present?	●	○	○		
9.	Chain of Custody signed, dated, and timed when relinquished and received?	●	○	○		
10.	Sampler name and/or signature on COC?	●	○	○		
11.	Were all samples received within holding time?	●	○	○		
12.	TAT marked on the COC?	○	●	○	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. ■	

13. Cooler 1 Temperature AMBIENT °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). TR 8/10/17

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	●	○	○		
17.	Custody seals present on sample containers?	○	●	○		
18.	Custody seals intact on sample containers?	○	○	●		
19.	Do sample container labels match the COC?	●	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	●	○	○		
21.	Were all of the samples listed on the COC received?	●	○	○	samples received but not listed on COC ☐ samples listed on COC not received ☐	
22.	Was the sample collection date/time noted?	●	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	●	○	○		
24.	Were samples received in appropriate containers?	●	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	○	○	●		
26.	Were trip blanks submitted?	○	○	●	listed on COC ☐ not listed on COC ☐	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). MJ 8/10/17

This section only applies to samples where pH can be checked at Sample Receipt.

		Yes	No	N/A	Details	Comments
28.	Have containers needing chemical preservation been checked? *	○	○	●		
29.	Containers meet preservation guidelines?	○	○	●		
30.	Was pH adjusted at Sample Receipt?	○	○	●		

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

I certify that I have completed sections 28-30 (dated initials). MJ 8/10/17

Checklist 6.9.17 Rev 2

Locked

Client: H.M. Rollins Co.
Project Name: HOOD Packaging Corporation
Workorder: 1708B58

ANALYTICAL QC SUMMARY REPORT

BatchID: 246885

Sample ID: **MB-246885** Client ID: Units: **mg/Kg** Prep Date: **08/14/2017** Run No: **349773**
SampleType: **MBLK** TestCode: **METALS, TOTAL** **SW6010D** BatchID: **246885** Analysis Date: **08/14/2017** Seq No: **7686192**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	5.00									
Lead	BRL	5.00									
Zinc	BRL	5.00									

Sample ID: **LCS-246885** Client ID: Units: **mg/Kg** Prep Date: **08/14/2017** Run No: **349773**
SampleType: **LCS** TestCode: **METALS, TOTAL** **SW6010D** BatchID: **246885** Analysis Date: **08/14/2017** Seq No: **7686193**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	44.28	5.00	50.00		88.6	80	120				
Lead	44.63	5.00	50.00		89.3	80	120				
Zinc	43.87	5.00	50.00		87.7	80	120				

Sample ID: **1708159-004AMS** Client ID: Units: **mg/Kg-dry** Prep Date: **08/14/2017** Run No: **349773**
SampleType: **MS** TestCode: **METALS, TOTAL** **SW6010D** BatchID: **246885** Analysis Date: **08/14/2017** Seq No: **7686195**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	32.05	3.88	38.78		82.6	75	125				
Lead	41.11	3.88	38.78	10.77	78.2	75	125				
Zinc	172.0	3.88	38.78	136.8	91.0	75	125				

Sample ID: **1708159-004AMSD** Client ID: Units: **mg/Kg-dry** Prep Date: **08/14/2017** Run No: **349773**
SampleType: **MSD** TestCode: **METALS, TOTAL** **SW6010D** BatchID: **246885** Analysis Date: **08/14/2017** Seq No: **7686196**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	31.75	3.88	38.77		81.9	75	125	32.05	0.956	20	
Lead	40.56	3.88	38.77	10.77	76.9	75	125	41.11	1.35	20	
Zinc	170.2	3.88	38.77	136.8	86.3	75	125	172.0	1.07	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: H.M. Rollins Co.
Project Name: HOOD Packaging Corporation
Workorder: 1708B58

ANALYTICAL QC SUMMARY REPORT

BatchID: 246886

Sample ID: **MB-246886** Client ID: Units: **ug/Kg** Prep Date: **08/14/2017** Run No: **349859**
SampleType: **MBLK** TestCode: **POLYCHLORINATED BIPHENYLS SW8082A** BatchID: **246886** Analysis Date: **08/15/2017** Seq No: **7687847**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aroclor 1016	BRL	33									
Aroclor 1221	BRL	33									
Aroclor 1232	BRL	33									
Aroclor 1242	BRL	33									
Aroclor 1248	BRL	33									
Aroclor 1254	BRL	33									
Aroclor 1260	BRL	33									
Surr: Decachlorobiphenyl	14.18	0	16.67		85.1	43.2	138				
Surr: Tetrachloro-m-xylene	14.61	0	16.67		87.7	46	128				

Sample ID: **LCS-246886** Client ID: Units: **ug/Kg** Prep Date: **08/14/2017** Run No: **349859**
SampleType: **LCS** TestCode: **POLYCHLORINATED BIPHENYLS SW8082A** BatchID: **246886** Analysis Date: **08/15/2017** Seq No: **7687848**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aroclor 1016	136.9	33	166.7		82.1	63.7	117				
Aroclor 1260	132.7	33	166.7		79.6	70.8	124				
Surr: Decachlorobiphenyl	14.65	0	16.67		87.9	43.2	138				
Surr: Tetrachloro-m-xylene	14.08	0	16.67		84.5	46	128				

Sample ID: **1708D26-001AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **08/14/2017** Run No: **349859**
SampleType: **MS** TestCode: **POLYCHLORINATED BIPHENYLS SW8082A** BatchID: **246886** Analysis Date: **08/15/2017** Seq No: **7689497**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aroclor 1016	156.7	38	190.7		82.2	52.8	125				
Aroclor 1260	182.6	38	190.7	14.22	88.3	56.4	129				
Surr: Decachlorobiphenyl	15.16	0	19.07		79.5	43.2	138				
Surr: Tetrachloro-m-xylene	15.79	0	19.07		82.8	46	128				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: H.M. Rollins Co.
Project Name: HOOD Packaging Corporation
Workorder: 1708B58

ANALYTICAL QC SUMMARY REPORT

BatchID: 246886

Sample ID: **1708D26-001AMSD** Client ID:
SampleType: **MSD** TestCode: **POLYCHLORINATED BIPHENYLS SW8082A**
Units: **ug/Kg-dry** Prep Date: **08/14/2017** Run No: **349859**
BatchID: **246886** Analysis Date: **08/15/2017** Seq No: **7689498**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aroclor 1016	170.2	38	190.7		89.3	52.8	125	156.7	8.26	23.8	
Aroclor 1260	154.4	38	190.7	14.22	73.5	56.4	129	182.6	16.8	19.2	
Surr: Decachlorobiphenyl	14.96	0	19.07		78.5	43.2	138	15.16	0	0	
Surr: Tetrachloro-m-xylene	15.87	0	19.07		83.2	46	128	15.79	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: H.M. Rollins Co.
Project Name: HOOD Packaging Corporation
Workorder: 1708B58

ANALYTICAL QC SUMMARY REPORT

BatchID: 246932

Sample ID: **MB-246932** Client ID: Units: **mg/L** Prep Date: **08/15/2017** Run No: **349819**
SampleType: **MBLK** TestCode: **SEMIVOLATILES ORGANICS, TCLP SW1311/8270D** BatchID: **246932** Analysis Date: **08/15/2017** Seq No: **7687093**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,4-Dichlorobenzene	BRL	0.10									
2,4,5-Trichlorophenol	BRL	0.10									
2,4,6-Trichlorophenol	BRL	0.10									
2,4-Dinitrotoluene	BRL	0.10									
Cresols, Total	BRL	0.10									
Hexachlorobenzene	BRL	0.10									
Hexachlorobutadiene	BRL	0.10									
Hexachloroethane	BRL	0.10									
m,p-Cresol	BRL	0.10									
Nitrobenzene	BRL	0.10									
o-Cresol	BRL	0.10									
Pentachlorophenol	BRL	0.50									
Pyridine	BRL	0.10									
Surr: 2,4,6-Tribromophenol	0.9864	0	1.000		98.6	52.1	146				
Surr: 2-Fluorobiphenyl	0.4930	0	0.5000		98.6	50.7	134				
Surr: 2-Fluorophenol	0.8916	0	1.000		89.2	47	122				
Surr: 4-Terphenyl-d14	0.5654	0	0.5000		113	54.4	139				
Surr: Nitrobenzene-d5	0.4724	0	0.5000		94.5	46.4	135				
Surr: Phenol-d5	0.9066	0	1.000		90.7	48.2	122				

Sample ID: **LCS-246932** Client ID: Units: **mg/L** Prep Date: **08/15/2017** Run No: **349819**
SampleType: **LCS** TestCode: **SEMIVOLATILES ORGANICS, TCLP SW1311/8270D** BatchID: **246932** Analysis Date: **08/15/2017** Seq No: **7687231**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,4-Dichlorobenzene	1.154	0.10	1.000		115	64.7	120				
2,4,5-Trichlorophenol	1.168	0.10	1.000		117	67.9	128				
2,4,6-Trichlorophenol	1.327	0.10	1.000		133	74.9	133				
2,4-Dinitrotoluene	1.379	0.10	1.000		138	68.6	133				S

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: H.M. Rollins Co.
Project Name: HOOD Packaging Corporation
Workorder: 1708B58

ANALYTICAL QC SUMMARY REPORT

BatchID: 246932

Sample ID: **LCS-246932** Client ID: Units: **mg/L** Prep Date: **08/15/2017** Run No: **349819**
SampleType: **LCS** TestCode: **SEMIVOLATILES ORGANICS, TCLP SW1311/8270D** BatchID: **246932** Analysis Date: **08/15/2017** Seq No: **7687231**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Cresols, Total	3.942	0.10	3.000		131	72.1	123				S
Hexachlorobenzene	1.167	0.10	1.000		117	77.9	137				
Hexachlorobutadiene	0.9958	0.10	1.000		99.6	62.3	128				
Hexachloroethane	1.228	0.10	1.000		123	53.8	124				
m,p-Cresol	2.536	0.10	2.000		127	71.5	123				S
Nitrobenzene	1.098	0.10	1.000		110	72.8	128				
o-Cresol	1.406	0.10	1.000		141	71	123				S
Pentachlorophenol	0.8615	0.50	1.000		86.2	50.2	125				
Pyridine	0.5796	0.10	1.000		58.0	10	120				
Surr: 2,4,6-Tribromophenol	1.019	0	1.000		102	52.1	146				
Surr: 2-Fluorobiphenyl	0.5018	0	0.5000		100	50.7	134				
Surr: 2-Fluorophenol	0.8865	0	1.000		88.6	47	122				
Surr: 4-Terphenyl-d14	0.5740	0	0.5000		115	54.4	139				
Surr: Nitrobenzene-d5	0.4710	0	0.5000		94.2	46.4	135				
Surr: Phenol-d5	0.9541	0	1.000		95.4	48.2	122				

Sample ID: **1708C70-001BMS** Client ID: Units: **mg/L** Prep Date: **08/15/2017** Run No: **349819**
SampleType: **MS** TestCode: **SEMIVOLATILES ORGANICS, TCLP SW1311/8270D** BatchID: **246932** Analysis Date: **08/15/2017** Seq No: **7687748**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,4-Dichlorobenzene	1.184	0.10	1.000		118	52	120				
2,4,5-Trichlorophenol	1.191	0.10	1.000		119	53.7	133				
2,4,6-Trichlorophenol	1.357	0.10	1.000		136	61	132				S
2,4-Dinitrotoluene	1.405	0.10	1.000		140	49.6	136				S
Cresols, Total	3.941	0.10	3.000		131	57.8	122				S
Hexachlorobenzene	1.142	0.10	1.000		114	61.5	136				
Hexachlorobutadiene	1.005	0.10	1.000		101	48.7	125				
Hexachloroethane	1.272	0.10	1.000		127	50	120				S

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: H.M. Rollins Co.
Project Name: HOOD Packaging Corporation
Workorder: 1708B58

ANALYTICAL QC SUMMARY REPORT

BatchID: 246932

Sample ID: **1708C70-001BMS** Client ID:
SampleType: **MS** TestCode: **SEMIVOLATILES ORGANICS, TCLP SW1311/8270D**
Units: **mg/L** Prep Date: **08/15/2017** Run No: **349819**
BatchID: **246932** Analysis Date: **08/15/2017** Seq No: **7687748**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
m,p-Cresol	2.495	0.10	2.000		125	58.8	122				S
Nitrobenzene	1.132	0.10	1.000		113	49.8	130				
o-Cresol	1.446	0.10	1.000		145	51.2	126				S
Pentachlorophenol	0.8839	0.50	1.000		88.4	41	134				
Pyridine	0.4840	0.10	1.000		48.4	10	120				
Surr: 2,4,6-Tribromophenol	1.073	0	1.000		107	52.1	146				
Surr: 2-Fluorobiphenyl	0.5053	0	0.5000		101	50.7	134				
Surr: 2-Fluorophenol	0.8891	0	1.000		88.9	47	122				
Surr: 4-Terphenyl-d14	0.5460	0	0.5000		109	54.4	139				
Surr: Nitrobenzene-d5	0.4790	0	0.5000		95.8	46.4	135				
Surr: Phenol-d5	0.9149	0	1.000		91.5	48.2	122				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: H.M. Rollins Co.
Project Name: HOOD Packaging Corporation
Workorder: 1708B58

ANALYTICAL QC SUMMARY REPORT

BatchID: 246933

Sample ID: **MB-246933**	Client ID:				Units: **mg/L**		Prep Date: **08/15/2017**		Run No: **349945**
SampleType: **MBLK**	TestCode: **HERBICIDES, TCLP SW1311/8151A**				BatchID: **246933**		Analysis Date: **08/16/2017**		Seq No: **7689689**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4,5-TP (Silvex)	BRL	0.20									
2,4-D	BRL	0.20									
Surr: DCAA	0.3960	0	0.5000		79.2	50.1	132				

Sample ID: **LCS-246933**	Client ID:				Units: **mg/L**		Prep Date: **08/15/2017**		Run No: **349945**
SampleType: **LCS**	TestCode: **HERBICIDES, TCLP SW1311/8151A**				BatchID: **246933**		Analysis Date: **08/16/2017**		Seq No: **7689691**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4,5-TP (Silvex)	0.3083	0.20	0.5000		61.7	50.7	117				
2,4-D	0.2902	0.20	0.5000		58.0	50.1	119				
Surr: DCAA	0.3520	0	0.5000		70.4	50.1	132				

Sample ID: **1708B58-001BMS**	Client ID: **LA-4 COMPOSITE**				Units: **mg/L**		Prep Date: **08/15/2017**		Run No: **349945**
SampleType: **MS**	TestCode: **HERBICIDES, TCLP SW1311/8151A**				BatchID: **246933**		Analysis Date: **08/16/2017**		Seq No: **7691062**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4,5-TP (Silvex)	0.3174	0.20	0.5000		63.5	46.3	126				
2,4-D	0.2877	0.20	0.5000		57.5	43.3	132				
Surr: DCAA	0.3275	0	0.5000		65.5	50.1	132				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: H.M. Rollins Co.
Project Name: HOOD Packaging Corporation
Workorder: 1708B58

ANALYTICAL QC SUMMARY REPORT

BatchID: 246937

Sample ID: **MB-246937** Client ID: Units: **mg/L** Prep Date: **08/15/2017** Run No: **349901**
SampleType: **MBLK** TestCode: **PESTICIDES, TCLP SW1311/8081B** BatchID: **246937** Analysis Date: **08/16/2017** Seq No: **7688647**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlordane	BRL	0.0050									
Endrin	BRL	0.0010									
gamma-BHC	BRL	0.00050									
Heptachlor	BRL	0.00050									
Heptachlor epoxide	BRL	0.00050									
Methoxychlor	BRL	0.0050									
Toxaphene	BRL	0.050									
Surr: Decachlorobiphenyl	0.004444	0	0.0050		88.9	35.2	135				
Surr: Tetrachloro-m-xylene	0.004724	0	0.0050		94.5	47	133				

Sample ID: **LCS-246937-1** Client ID: Units: **mg/L** Prep Date: **08/15/2017** Run No: **349901**
SampleType: **LCS** TestCode: **PESTICIDES, TCLP SW1311/8081B** BatchID: **246937** Analysis Date: **08/16/2017** Seq No: **7688648**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Endrin	0.01028	0.0010	0.0080		128	67.5	148				
gamma-BHC	0.009946	0.00050	0.0080		124	67	141				
Heptachlor	0.009617	0.00050	0.0080		120	65.3	138				
Heptachlor epoxide	0.009278	0.00050	0.0080		116	73.4	142				
Methoxychlor	0.03175	0.0050	0.0300		106	57.9	128				
Surr: Decachlorobiphenyl	0.004774	0	0.0050		95.5	35.2	135				
Surr: Tetrachloro-m-xylene	0.005201	0	0.0050		104	47	133				

Sample ID: **LCS-246937-2** Client ID: Units: **mg/L** Prep Date: **08/15/2017** Run No: **349901**
SampleType: **LCS** TestCode: **PESTICIDES, TCLP SW1311/8081B** BatchID: **246937** Analysis Date: **08/16/2017** Seq No: **7688649**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlordane	0.04198	0.0050	0.0400		105	74.7	130				
Toxaphene	0.07813	0.050	0.0800		97.7	70.2	119				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: H.M. Rollins Co.
Project Name: HOOD Packaging Corporation
Workorder: 1708B58

ANALYTICAL QC SUMMARY REPORT

BatchID: 246937

Sample ID: **LCS-246937-2** Client ID: Units: **mg/L** Prep Date: **08/15/2017** Run No: **349901**
SampleType: **LCS** TestCode: **PESTICIDES, TCLP SW1311/8081B** BatchID: **246937** Analysis Date: **08/16/2017** Seq No: **7688649**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Decachlorobiphenyl	0.004893	0	0.0050		97.9	35.2	135				
Surr: Tetrachloro-m-xylene	0.005370	0	0.0050		107	47	133				

Sample ID: **1708D73-001CMS-1** Client ID: Units: **mg/L** Prep Date: **08/15/2017** Run No: **349901**
SampleType: **MS** TestCode: **PESTICIDES, TCLP SW1311/8081B** BatchID: **246937** Analysis Date: **08/16/2017** Seq No: **7689252**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Endrin	0.008946	0.0010	0.0080		112	59.8	150				
gamma-BHC	0.008420	0.00050	0.0080		105	63.8	143				
Heptachlor	0.008280	0.00050	0.0080		104	55	144				
Heptachlor epoxide	0.008492	0.00050	0.0080		106	62.8	146				
Methoxychlor	0.02846	0.0050	0.0300		94.9	45.5	133				
Surr: Decachlorobiphenyl	0.004319	0	0.0050		86.4	35.2	135				
Surr: Tetrachloro-m-xylene	0.005075	0	0.0050		101	47	133				

Sample ID: **1708D73-001CMS-2** Client ID: Units: **mg/L** Prep Date: **08/15/2017** Run No: **349901**
SampleType: **MS** TestCode: **PESTICIDES, TCLP SW1311/8081B** BatchID: **246937** Analysis Date: **08/16/2017** Seq No: **7689253**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlordane	0.03956	0.0050	0.0400		98.9	63.7	139				
Toxaphene	0.08513	0.050	0.0800		106	48.8	134				
Surr: Decachlorobiphenyl	0.004367	0	0.0050		87.3	35.2	135				
Surr: Tetrachloro-m-xylene	0.004954	0	0.0050		99.1	47	133				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: H.M. Rollins Co.
Project Name: HOOD Packaging Corporation
Workorder: 1708B58

ANALYTICAL QC SUMMARY REPORT

BatchID: 246961

Sample ID: **MB-246961**	Client ID:			Units: **mg/L**	Prep Date: **08/15/2017**	Run No: **349898**
SampleType: **MBLK**	TestCode: **MERCURY, TCLP SW1311/7470A**			BatchID: **246961**	Analysis Date: **08/16/2017**	Seq No: **7688704**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.00400									

Sample ID: **LCS-246961**	Client ID:			Units: **mg/L**	Prep Date: **08/15/2017**	Run No: **349898**
SampleType: **LCS**	TestCode: **MERCURY, TCLP SW1311/7470A**			BatchID: **246961**	Analysis Date: **08/16/2017**	Seq No: **7688706**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.04044	0.00400	0.0400		101	80	120				

Sample ID: **1708B58-001BMS**	Client ID: **LA-4 COMPOSITE**			Units: **mg/L**	Prep Date: **08/15/2017**	Run No: **349898**
SampleType: **MS**	TestCode: **MERCURY, TCLP SW1311/7470A**			BatchID: **246961**	Analysis Date: **08/16/2017**	Seq No: **7688712**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.04041	0.00400	0.0400		101	80	120				

Sample ID: **1708B58-001BMSD**	Client ID: **LA-4 COMPOSITE**			Units: **mg/L**	Prep Date: **08/15/2017**	Run No: **349898**
SampleType: **MSD**	TestCode: **MERCURY, TCLP SW1311/7470A**			BatchID: **246961**	Analysis Date: **08/16/2017**	Seq No: **7688714**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.04049	0.00400	0.0400		101	80	120	0.04041	0.195	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: H.M. Rollins Co.
Project Name: HOOD Packaging Corporation
Workorder: 1708B58

ANALYTICAL QC SUMMARY REPORT

BatchID: 246974

Sample ID: **MB-246974** Client ID: Units: **mg/L** Prep Date: **08/15/2017** Run No: **349807**
SampleType: **MBLK** TestCode: **VOLATILES, TCLP SW1311/8260B** BatchID: **246974** Analysis Date: **08/15/2017** Seq No: **7686840**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	BRL	0.10									
1,2-Dichloroethane	BRL	0.10									
2-Butanone	BRL	0.20									
Benzene	BRL	0.10									
Carbon tetrachloride	BRL	0.10									
Chlorobenzene	BRL	0.10									
Chloroform	BRL	0.10									
Tetrachloroethene	BRL	0.10									
Trichloroethene	BRL	0.10									
Vinyl chloride	BRL	0.040									
Surr: 4-Bromofluorobenzene	0.9968	0	1.000		99.7	68.3	122				
Surr: Dibromofluoromethane	1.005	0	1.000		101	70.1	125				
Surr: Toluene-d8	1.026	0	1.000		103	81.4	120				

Sample ID: **LCS-246974** Client ID: Units: **mg/L** Prep Date: **08/15/2017** Run No: **349807**
SampleType: **LCS** TestCode: **VOLATILES, TCLP SW1311/8260B** BatchID: **246974** Analysis Date: **08/15/2017** Seq No: **7686839**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	1.002	0.10	1.000		100	58.8	139				
1,2-Dichloroethane	0.9980	0.10	1.000		99.8	64.8	134				
2-Butanone	2.311	0.20	2.000		116	57.3	143				
Benzene	0.9958	0.10	1.000		99.6	75.4	127				
Carbon tetrachloride	0.8960	0.10	1.000		89.6	58.5	144				
Chlorobenzene	1.016	0.10	1.000		102	77.9	122				
Chloroform	1.024	0.10	1.000		102	66.5	130				
Tetrachloroethene	0.9818	0.10	1.000		98.2	73	133				
Trichloroethene	0.9650	0.10	1.000		96.5	72.1	132				
Vinyl chloride	0.8896	0.040	1.000		89.0	56.1	139				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: H.M. Rollins Co.
Project Name: HOOD Packaging Corporation
Workorder: 1708B58

ANALYTICAL QC SUMMARY REPORT

BatchID: 246974

Sample ID: **LCS-246974** Client ID: Units: **mg/L** Prep Date: **08/15/2017** Run No: **349807**
SampleType: **LCS** TestCode: **VOLATILES, TCLP SW1311/8260B** BatchID: **246974** Analysis Date: **08/15/2017** Seq No: **7686839**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: 4-Bromofluorobenzene	1.021	0	1.000		102	68.3	122				
Surr: Dibromofluoromethane	0.9984	0	1.000		99.8	70.1	125				
Surr: Toluene-d8	1.021	0	1.000		102	81.4	120				

Sample ID: **1708C70-001AMS** Client ID: Units: **mg/L** Prep Date: **08/15/2017** Run No: **349807**
SampleType: **MS** TestCode: **VOLATILES, TCLP SW1311/8260B** BatchID: **246974** Analysis Date: **08/15/2017** Seq No: **7687136**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	1.170	0.10	1.000		117	61.9	137				
1,2-Dichloroethane	0.9974	0.10	1.000		99.7	60.3	134				
2-Butanone	2.360	0.20	2.000		118	51.8	143				
Benzene	1.024	0.10	1.000		102	71.8	130				
Carbon tetrachloride	0.9702	0.10	1.000		97.0	65.8	133				
Chlorobenzene	1.003	0.10	1.000		100	72	125				
Chloroform	1.059	0.10	1.000		106	63.6	130				
Tetrachloroethene	0.9780	0.10	1.000		97.8	70.8	135				
Trichloroethene	0.9918	0.10	1.000		99.2	70.3	133				
Vinyl chloride	1.030	0.040	1.000		103	56.4	139				
Surr: 4-Bromofluorobenzene	1.013	0	1.000		101	68.3	122				
Surr: Dibromofluoromethane	0.9756	0	1.000		97.6	70.1	125				
Surr: Toluene-d8	1.013	0	1.000		101	81.4	120				

Sample ID: **1708C70-001ADUP** Client ID: Units: **mg/L** Prep Date: **08/15/2017** Run No: **349807**
SampleType: **DUP** TestCode: **VOLATILES, TCLP SW1311/8260B** BatchID: **246974** Analysis Date: **08/15/2017** Seq No: **7687135**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	BRL	0.10						0	0	30	
1,2-Dichloroethane	BRL	0.10						0	0	30	

Qualifiers:
> Greater than Result value
< Less than Result value
B Analyte detected in the associated method blank
BRL Below reporting limit
E Estimated (value above quantitation range)
H Holding times for preparation or analysis exceeded
J Estimated value detected below Reporting Limit
N Analyte not NELAC certified
R RPD outside limits due to matrix
Rpt Lim Reporting Limit
S Spike Recovery outside limits due to matrix

Client: H.M. Rollins Co.
Project Name: HOOD Packaging Corporation
Workorder: 1708B58

ANALYTICAL QC SUMMARY REPORT

BatchID: 246974

Sample ID: **1708C70-001ADUP** Client ID:
SampleType: **DUP** TestCode: **VOLATILES, TCLP SW1311/8260B**
Units: **mg/L** Prep Date: **08/15/2017** Run No: **349807**
BatchID: **246974** Analysis Date: **08/15/2017** Seq No: **7687135**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Butanone	BRL	0.20						0	0	30	
Benzene	BRL	0.10						0	0	30	
Carbon tetrachloride	BRL	0.10						0	0	30	
Chlorobenzene	BRL	0.10						0	0	30	
Chloroform	BRL	0.10						0	0	30	
Tetrachloroethene	BRL	0.10						0	0	30	
Trichloroethene	BRL	0.10						0	0	30	
Vinyl chloride	BRL	0.040						0	0	30	
Surr: 4-Bromofluorobenzene	0.9892	0	1.000		98.9	68.3	122	0.9804	0	0	
Surr: Dibromofluoromethane	0.9898	0	1.000		99.0	70.1	125	0.9956	0	0	
Surr: Toluene-d8	1.011	0	1.000		101	81.4	120	1.027	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: H.M. Rollins Co.
Project Name: HOOD Packaging Corporation
Workorder: 1708B58

ANALYTICAL QC SUMMARY REPORT

BatchID: 247138

Sample ID: **MB-247138** Client ID: Units: **mg/L** Prep Date: **08/17/2017** Run No: **350092**
SampleType: **MBLK** TestCode: **ICP METALS, TCLP SW1311/6010C** BatchID: **247138** Analysis Date: **08/17/2017** Seq No: **7692806**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	0.250									
Barium	BRL	0.500									
Cadmium	BRL	0.0250									
Chromium	BRL	0.0500									
Lead	BRL	0.0500									
Selenium	BRL	0.100									
Silver	BRL	0.0250									

Sample ID: **LCS-247138** Client ID: Units: **mg/L** Prep Date: **08/17/2017** Run No: **350092**
SampleType: **LCS** TestCode: **ICP METALS, TCLP SW1311/6010C** BatchID: **247138** Analysis Date: **08/17/2017** Seq No: **7692807**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	5.587	0.250	5.000		112	80	120				
Barium	5.394	0.500	5.000	0.02190	107	80	120				
Cadmium	5.404	0.0250	5.000		108	80	120				
Chromium	5.480	0.0500	5.000		110	80	120				
Lead	5.323	0.0500	5.000		106	80	120				
Silver	0.5369	0.0250	0.5000		107	80	120				

Sample ID: **LCS-247138** Client ID: Units: **mg/L** Prep Date: **08/17/2017** Run No: **350092**
SampleType: **LCS** TestCode: **ICP METALS, TCLP SW1311/6010C** BatchID: **247138** Analysis Date: **08/18/2017** Seq No: **7696336**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Selenium	5.184	0.100	5.000		104	80	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: H.M. Rollins Co.
Project Name: HOOD Packaging Corporation
Workorder: 1708B58

ANALYTICAL QC SUMMARY REPORT

BatchID: 247138

Sample ID: **1708B58-001BMS** Client ID: **LA-4 COMPOSITE** Units: **mg/L** Prep Date: **08/17/2017** Run No: **350092**
SampleType: **MS** TestCode: **ICP METALS, TCLP SW1311/6010C** BatchID: **247138** Analysis Date: **08/17/2017** Seq No: **7692809**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	4.728	0.250	5.000	0.08415	92.9	50	150				
Barium	4.626	0.500	5.000	0.1014	90.5	50	150				
Cadmium	4.489	0.0250	5.000		89.8	50	150				
Chromium	4.570	0.0500	5.000		91.4	50	150				
Lead	4.430	0.0500	5.000	0.07720	87.0	50	150				
Selenium	5.525	0.100	5.000	0.04945	110	50	150				
Silver	0.4438	0.0250	0.5000		88.8	50	150				

Sample ID: **1708B58-001BMSD** Client ID: **LA-4 COMPOSITE** Units: **mg/L** Prep Date: **08/17/2017** Run No: **350092**
SampleType: **MSD** TestCode: **ICP METALS, TCLP SW1311/6010C** BatchID: **247138** Analysis Date: **08/17/2017** Seq No: **7692810**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	4.520	0.250	5.000	0.08415	88.7	50	150	4.728	4.50	30	
Barium	4.478	0.500	5.000	0.1014	87.5	50	150	4.626	3.24	30	
Cadmium	4.325	0.0250	5.000		86.5	50	150	4.489	3.71	30	
Chromium	4.425	0.0500	5.000		88.5	50	150	4.570	3.24	30	
Lead	4.303	0.0500	5.000	0.07720	84.5	50	150	4.430	2.90	30	
Selenium	5.234	0.100	5.000	0.04945	104	50	150	5.525	5.42	30	
Silver	0.4298	0.0250	0.5000		86.0	50	150	0.4438	3.21	30	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		