

May 28, 2015

Allen M. Wesolowski, P.E.
City of Wausau
407 Grant Street
Wausau, WI 54403

Subject: **Report of Subsurface Investigation Results
South 2nd Avenue Construction Project next to Former Kraft Cleaners Site
Wausau, Wisconsin
WDNR BRRTS No. 02-37-000294
AECOM Project No. 60427605**

Dear Mr. Wesolowski,

AECOM is pleased to submit this brief report of recent subsurface investigation results to the City of Wausau (City) for the pending South 2nd Avenue construction project next to the Former Kraft Cleaners site. The purpose of the investigation was to define the potential extent and volume of tetrachloroethene (PCE) contaminated soil present within the South 2nd Avenue project limits between Callon and Clark Streets. The investigation results will be used to prepare contract special provisions for the management of PCE contaminated soil during construction. A preliminary summary of the results was emailed to you on April 23, 2015.

The work was authorized by AECOM's receipt of the City's signed acceptance of our proposal No. OPP-369904 via email on May 12, 2015. The soil borings and sample analysis documented in this report were "piggybacked" on the field work for the Former Kraft Cleaner site performed on April 8, 2015, under your emailed approval, dated April 6, 2015.

Background

The City is preparing plans and specifications for the pending reconstruction of South 2nd Avenue and is planning to advertise for construction bids in June 2015. Subsurface investigation results obtained by AECOM at the Former Kraft Cleaners site through February 2015 indicated that residual PCE contaminated soil is present within and adjacent to the South 2nd Avenue project limits between Callon and Clark Streets.

Scope of Services

The subsurface investigation performed on April 8, 2015 included the following:

1. Advanced six soil borings (GP-16 to GP-21 on enclosed Figure 1) using the direct-push method within the South 2nd Avenue right-of-way (ROW) between Callon and Clark Streets, including five borings to 4 feet below ground surface (bgs) and one boring to 8 feet bgs. Three of the borings (GP-16 to GP-18) were performed as part of the Former Kraft Cleaners site investigation and three borings (GP-19 to GP21) were performed as part of the South 2nd Avenue construction project.

Note: This report also includes documentation of soil borings and results for the Former Kraft Cleaners site investigation to provide a more complete assessment of PCE contaminated soil in the subsurface.

2. Visually classified soil samples obtained from the borings. Field screened soil gas in the soil samples with a photoionization detector (PID) using the headspace method approximately every 2-1/2 feet. Soil descriptions and PID readings are documented on the enclosed copies of completed soil boring logs.
3. Collected two soil samples for laboratory analysis from each of the two 4-foot deep borings at the following intervals:
 - One sample from the 1- to 2-foot interval
 - One sample from the 3- to 4-foot interval
4. Collected three soil samples for laboratory analysis from the 8-foot deep boring at the following intervals:
 - One sample from the 1- to 2-foot interval
 - One sample from the 3- to 4-foot interval
 - One sample from the 7- to 8-foot interval
5. Laboratory analyzed the soil samples for volatile organic compounds (VOCs by EPA Method 8260) at Pace Analytical Laboratories in Green Bay. Copies of the laboratory analytical reports are enclosed.
6. Performed borehole closure in accordance with the requirements of the WAC, Chapter NR 141, upon completion of sampling. Copies of completed borehole abandonment forms are enclosed.
7. Soil cuttings generated from each boring were containerized and will be disposed of as non-hazardous, solid waste at the Lincoln County Landfill. Documentation of the disposal will be provided at a later date, when available.

Subsurface Investigation Results

A summary of subsurface investigation results includes the following:

1. Soil types encountered were generally described as fine to coarse grained sand with clay and gravel to a depth of 1-foot below the asphalt pavement, then medium to coarse grained sand with abundant gravel to the bottom of each boring. Total soil boring depths ranged from approximately 4 to 8 feet below pavement depending on location. Groundwater was not encountered in the borings.

Note: Based on previous investigation results, groundwater is typically encountered at an approximate depth of 18 feet below ground surface (bgs) beneath South 2nd Avenue and the Former Kraft Cleaners site.

2. All PID readings were less than 1 instrument unit for soil samples collected from the borings, indicating a general absence of volatile vapors in the samples.
3. PCE was detected at an estimated concentration of 29.0 micrograms per kilogram (ug/kg) in one soil sample collected from a depth of 1 to 2 feet below pavement in Boring GP-18 on April 8, 2015 (see enclosed Figure 1). The reported PCE concentration exceeds Wisconsin's soil-to-groundwater pathway residual contaminant level (RCL-gw) of 4.5 ug/kg for PCE.

4. Previously, PCE was detected at concentrations of 103 ug/kg and 57.5 ug/kg (estimated) in soil samples collected at depths of 2 feet and 1.5 feet below pavement in Borings GP-8 and GP-14, respectively, on February 24, 2015 (see enclosed Figure 1). The reported PCE concentrations also exceed Wisconsin's RCL-gw of 4.5 ug/kg for PCE.

Soil boring locations, PCE levels reported by the laboratory, and sample depths are depicted on enclosed Figure 1 for soil borings sampled within the South 2nd Avenue ROW and adjacent Former Kraft Cleaners site.

A tabulated summary of PID readings and VOC concentrations is enclosed for soil borings sampled within the South 2nd Avenue right-of-way (ROW) and adjacent Former Kraft Cleaners site.

Conclusions

Conclusions regarding the presence of PCE contaminated soil within the South 2nd Avenue project limits, based on the subsurface investigation results, include the following:

1. The apparent, lateral extent of PCE contaminated soil within the South 2nd Avenue ROW (street and sidewalks) between Callon Street and Clark Street covers a total area of approximately 5,025 square feet. The approximate lateral limit of PCE contaminated soil at the site is indicated on enclosed Figure 1.
2. The apparent, vertical extent of PCE contaminated soil beneath the South 2nd Avenue ROW is relatively shallow (not more than 3 feet below pavement).
3. The total, in-situ volume of PCE contaminated soil within the South 2nd Avenue ROW, exceeding Wisconsin's RCL-gw of 4.5 ug/kg for PCE, is approximately 560 cubic yards (725 tons).

We appreciate the opportunity to assist the City of Wausau with this project. The contract special provisions for management of PCE contaminated soil during construction will be submitted under separate cover.

If you have any questions regarding the subsurface investigation results contained in this report, or if you need additional assistance, please call David Senfelds at (715) 342-3039 or Kyle Wagoner at (715) 342-3038.

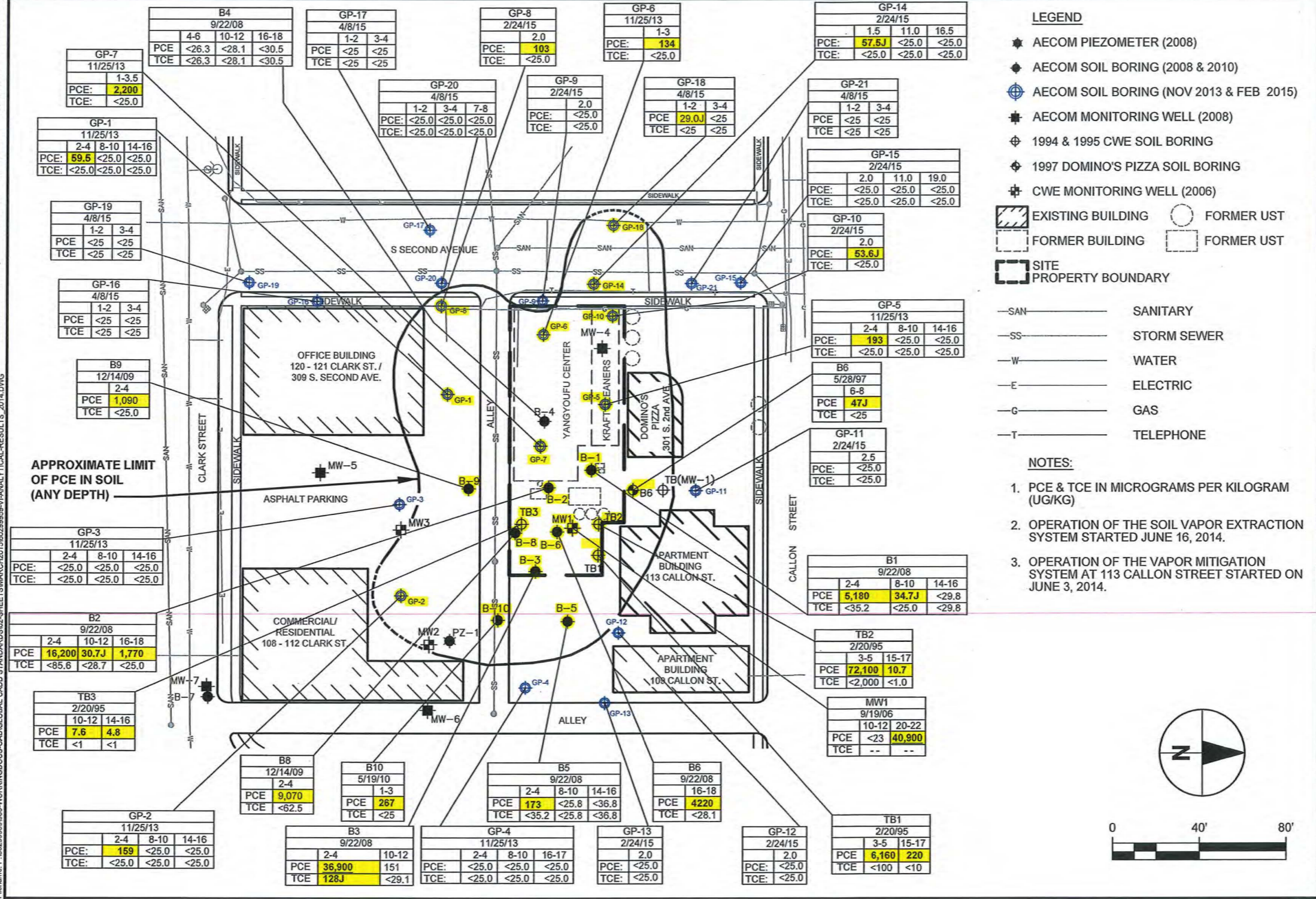
Sincerely,



Kyle W. Wagoner, P.G., CHMM
Project Manager
kyle.wagoner@aecom.com

Enclosures: Figure 1 – Subsurface Investigation Soil Analytical Results
Table 1 – Soil Sample Analytical Results
Copies of Soil Boring Logs
Copies of Borehole Abandonment Forms
Copies of Pace Analytical Laboratory Reports

c/encl: Kevin Fabel, City of Wausau (electronic only)
Lisa Gutknecht, Wisconsin Department of Natural Resources



AECOM
FIGURE 1
 SUBSURFACE INVESTIGATION SOIL ANALYTICAL RESULTS
 SOIL BORINGS (PCE & TCE IN SOIL)
 FORMER KRAFT CLEANERS
 303 - 305 SOUTH SECOND AVENUE
 WAUSAU, WISCONSIN

Table 1
Soil Sample Analytical Results
Supplemental Site Investigation - Direct Push Borings
Former Kraft Cleaners
Wausau, Wisconsin
BRRTS # 02-37-000294

Sample ID:			GP-1			GP-2			GP-3			GP-4			GP-5			GP-6	GP-7
Sample Depth (feet):			2.0-4.0	8.0-10.0	14.0-16.0	2.0-4.0	8.0-10.0	14.0-16.0	2.0-4.0	8.0-10.0	14.0-16.0	2.0-4.0	8.0-10.0	16.0-17.0	2.0-4.0	8.0-10.0	14.0-16.0	1.0-3.0	1.0-3.5
Sample Date:			11/25/2013			11/25/2013			11/25/2013			11/25/2013			11/25/2013			11/25/2013	11/25/2013
PID (i.u):			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Analyte	Non-Industrial D-C RCL	RCL-gw	Results																
VOCs (µg/kg)																			
Naphthalene	5,150	658.7	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	43.0 ^J	<25.0	<25.0	<25.0	<25.0	<25.0	
Tetrachloroethene (PCE)	30,700	4.5	59.5^J	<25.0	<25.0	159	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	193	<25.0	<25.0	134	
Trichloroethene (TCE)	1,260	3.6	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	

Sample ID:			GP-8	GP-9	GP-10	GP-11	GP-12	GP-13	GP-14			GP-15			GP-16		GP-17	
Sample Depth (feet):			2.0	2.0	2.0	2.5	2.0	2.0	1.5	11.0	18.5	2.0	11.0	19.0	1-2	3-4	1-2	3-4
Sample Date:			2/24/2015	2/24/2015	2/24/2015	2/24/2015	2/24/2015	2/24/2015	2/24/2015			2/24/2015			4/8/2015		4/8/2015	
PID (i.u):			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Analyte	Non-Industrial D-C RCL	RCL-gw	Results															
VOCs (µg/kg)																		
Naphthalene	5,150	658.7	<40.0	<40.0	<40.0	<40.0	66.0 ^J	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
Tetrachloroethene (PCE)	30,700	4.5	103	<25.0	53.6^J	<25.0	<25.0	<25.0	57.5^J	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Trichloroethene (TCE)	1,260	3.6	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0

Sample ID:			GP-18		GP-19*		GP-20*			GP-21*	
Sample Depth (feet):			1-2	3-4	1-2	3-4	1-2	3-4	7-8	1-2	3-4
Sample Date:			4/8/2015		4/8/2015		4/8/2015			4/8/2015	
PID (i.u):			0	0	0	0	0	0	0	0	0
Analyte	Non-Industrial D-C RCL	RCL-gw	Results								
VOCs (µg/kg)											
Naphthalene	5,150	658.7	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
Tetrachloroethene (PCE)	30,700	4.5	29.0^J	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Trichloroethene (TCE)	1,260	3.6	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0

Notes:
 Operation of the Vapor Mitigation System at 113 Callon Street started on June 3, 2014.
 Operation of the Soil Vapor Extraction system started on June 16, 2014.
 Analytes listed are those reported above the Limit of Detection (LOD) by the laboratory.
 Non-Industrial D-C RCL refers to the Not-To-Exceed, non-industrial Direct-Contact Residual Contaminant Levels taken from the WDNR's RCLs spreadsheet, updated January 2015.
 RCL-gw refers to the Soil-to-Groundwater Residual Contaminant Level, DF = 2, taken from the WDNR's RCLs spreadsheet, updated January 2015.
Bold result indicates RCL exceedence.
^J means "Estimated concentration below laboratory quantitation level."
 * Soil borings GP-19, GP-20, and GP-21 were sampled for the City of Wausau's S. 2nd Avenue construction project.

Route To: Watershed/Wastewater Waste Management
Remediation/Revelopment Other

Page _____ of _____

Facility/Project Name <i>Former Kraft Cleaners</i>			License/Permit/Monitoring Number		Boring Number <i>GP-16</i>
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <i>Darrin</i> Last Name: <i>Prentice</i>			Date Drilling Started <i>04.08.2015</i> m m d d y y y y	Date Drilling Completed <i>04.08.2015</i> m m d d y y y y	Drilling Method <i>push-probe</i>
Firm: <i>Greiss</i>			Final Static Water Level _____ Feet MSL		Surface Elevation _____ Feet MSL
WI Unique Well No.	DNR Well ID No.	Well Name	Borehole Diameter _____ inches		
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>			Local Grid Location		
State Plane _____ N, _____ E			Lat _____ "	<input type="checkbox"/> N <input type="checkbox"/> E	
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____			Long _____ "	<input type="checkbox"/> S _____ Feet <input type="checkbox"/> W _____ Feet	
Facility ID _____		County <i>Wausau</i>	County Code _____	Civil Town/City/ or Village <i>Wausau</i>	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
			1	Asphalt											
			2	Lt brn, med-coarse grained, Ang-semi ang, Sand w/ trace gravel.	SW			0.8							
			3	DK brn, med-coarse grained Ang-semi angular, sands w/ Abundant gravel.	SP			0.8							
			4	End of boring											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

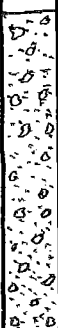
Signature <i>Mark Apple</i>	Firm <i>AECOM</i>
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Route To: Watershed/Wastewater Waste Management
Remediation/Revelopment Other

Page _____ of _____

Facility/Project Name Former Kraft Cleaners		License/Permit/Monitoring Number		Boring Number GP-17	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Darin Last Name: Prentice Firm: Geiss		Date Drilling Started 04/08/2015	Date Drilling Completed 04/08/2015	Drilling Method Push-Probe	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level ____ Feet MSL	Surface Elevation ____ Feet MSL	Borehole Diameter ____ inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane _____ N, _____ E		Lat _____ " _____ "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of _____ 1/4 of Section _____, T _____ N, R _____		Long _____ " _____ "			
Facility ID _____		County Wausau	County Code _____	Civil Town/City/ or Village Wausau	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
			1	Asphalt											
			2	brn - DK brn, med-Coarse grained, semi Ang - Ang, Sands w/ Abundant gravel and trace fines.	SP			0.8							
			3												
			4					0.8							
			5	End of boring											
			6												
			7												
			8												
			9												
			10												

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature *M. M. Hoyer* Firm *AECOM*

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Route To: Watershed/Wastewater Waste Management
 Remediation/Revelpment Other

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Facility/Project Name <i>Former Kraft Cleaner</i>		License/Permit/Monitoring Number		Boring Number <i>GP-18</i>	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <i>Darrh</i> Last Name: <i>Prentice</i> Firm: <i>Geiss</i>		Date Drilling Started <i>04/08/2015</i> m m d d y y y y	Date Drilling Completed <i>07/08/2015</i> m m d d y y y y	Drilling Method <i>Push-Probe</i>	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		State Plane N, _____ E		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of _____ 1/4 of Section _____, T _____ N, R _____		Lat _____ " _____ "	Long _____ " _____ "		
Facility ID	County <i>Wausau</i>	County Code	Civil Town/City/ or Village <i>Wausau</i>		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
			1	Asphalt											
			2	DK brn, fine grained sands w/ clay	ML										
			3	Lt brn - brn, med - coarse grained				0.7							
			4	Ang - semi Ang, sands w/ abundant gravel	SP			0.8							
			5	↓ End of boring											
			6												
			7												
			8												
			9												
			10												

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *Mark Ayler* Firm *AEIOM*

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Route To: Watershed/Wastewater Waste Management
 Remediation/Revelopment Other

Page _____ of _____

Facility/Project Name <i>Former Kraft Cleaners</i>			License/Permit/Monitoring Number		Boring Number <i>GP-19</i>
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <i>Darrin</i> Last Name: <i>Prentice</i> Firm: <i>Geiss</i>			Date Drilling Started <i>0410812015</i> m m d d y y y y	Date Drilling Completed <i>0410812015</i> m m d d y y y y	Drilling Method
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter <i>2</i> inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>			Local Grid Location		
State Plane _____ N, _____ E			Lat _____ "	<input type="checkbox"/> N <input type="checkbox"/> E	
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____			Long _____ "	<input type="checkbox"/> Feet <input type="checkbox"/> S _____ Feet <input type="checkbox"/> W	
Facility ID		County <i>Wausau</i>	County Code	Civil Town/City/ or Village <i>Wausau</i>	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
			1	<i>Asphalt</i>											
			2	<i>DK brn.-brn. fine-v. fine clayey sand w/ trace gravel.</i>	<i>ML</i>										
			3	<i>Lt. - DK brn, fine-med grained sands with Abnt gravel</i>				<i>0.7</i>							
			4		<i>SP</i>			<i>0.7</i>							
			5	<i>End boring</i>											
			6												

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature *Alan Styer* Firm *AE (COM)*

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Route To: Watershed/Wastewater Waste Management
Remediation/Revelopment Other

Page 1 of 1

Facility/Project Name Former Kraft Cleaners			License/Permit/Monitoring Number		Boring Number GP-20
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Darrn Last Name: Prentice Firm: Geiss			Date Drilling Started 0410282015 m m d d y y y y	Date Drilling Completed 0410282015 m m d d y y y y	Drilling Method Push-Probe
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 2 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane N , E			Lat 0 ' "	Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of 1/4 of Section 1/4 , T N , R 1/4			Long 0 ' "		
Facility ID		County Wausau	County Code	Civil Town/City/ or Village Wausau	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PTD/FID	Soil Properties					RQD/ Comments		
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200			
			1	Asphalt												
			2	Dk brn, fine-v. fine grained clayey sand w/ gravel	ML			0.7								
			3	Lt brn-brn, Med-Course grained Sands with Abundant gravel and trace silts.				0.7								
			4		SP											
			5													
			6													
			7													
			8													
				End of boring												

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *Mark Hahn* Firm *AELDM*

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Route To: Watershed/Wastewater Waste Management
Remediation/Revelpoment Other

Page _____ of _____

Facility/Project Name		License/Permit/Monitoring Number		Boring Number <i>GP-21</i>	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <i>Darrin</i> Last Name: <i>Prentice</i> Firm: <i>Greiss</i>		Date Drilling Started <i>04/08/2015</i> m m d d y y y y	Date Drilling Completed <i>04/08/2015</i> m m d d y y y y	Drilling Method <i>Rch-Probe</i>	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level ____ Feet MSL	Surface Elevation ____ Feet MSL	Borehole Diameter ____ inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane _____ N, _____ E 1/4 of _____ 1/4 of Section _____, T _____ N, R _____			Lat _____ Long _____	Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID	County <i>Waushara</i>	County Code	Civil Town/City/ or Village <i>Wauwat</i>		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
			1	Asphalt											
			2	DK brn, fine-v, fine grained, cherty sands w/ trace gravel	ML			0.8							
			3	Lt. brn-brn, Med- Coarse grained Sands w/ Abnt gravel	SP			0.8							
			4	↓ End of boring											
			5												
			6												
			7												
			8												
			9												
			10												

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *Man Hoff* Firm *AECOM*

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to:
 Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other: _____

1. Well Location Information			2. Facility / Owner Information		
County <i>Wausau</i>	WI Unique Well # of Removed Well	Hicap #	Facility Name <i>Former Kraft Cleaners</i>		
Latitude / Longitude (Degrees and Minutes)		Method Code (see instructions)	Facility ID (FID or PWS)		
_____ 'N			License/Permit/Monitoring #		
_____ 'W			Original Well Owner <i>DERP</i>		
1/4 1/4	1/4	Section	Township	Range	<input type="checkbox"/> E <input type="checkbox"/> W
or Gov't Lot #					
Well Street Address			Present Well Owner <i>DERP</i>		
Well City, Village or Town <i>Wausau</i>			Mailing Address of Present Owner		
Subdivision Name			City of Present Owner	State <i>WI</i>	ZIP Code
Reason For Removal From Service			WI Unique Well # of Replacement Well		

3. Well / Drillhole / Borehole Information		4. Pump, Liner, Screen, Casing & Sealing Material					
<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) <i>04/08/15</i>	Pump and piping removed?		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.	Liner(s) removed?		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Borehole / Drillhole		Screen removed?		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	
Construction Type:		Casing left in place?		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)	<input type="checkbox"/> Dug	Was casing cut off below surface?		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Other (specify): <i>Push-Probe</i>		Did sealing material rise to surface?		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	
Formation Type:		Did material settle after 24 hours?		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock	If yes, was hole retopped?		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	
Total Well Depth From Ground Surface (ft.) <i>4'</i>	Casing Diameter (in.)	If bentonite chips were used, were they hydrated with water from a known safe source?		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	
Lower Drillhole Diameter (in.) <i>2</i>	Casing Depth (ft.)	Required Method of Placing Sealing Material		<input type="checkbox"/> Conductor Pipe-Gravity		<input type="checkbox"/> Conductor Pipe-Pumped	
Was well annular space grouted?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips)		<input type="checkbox"/> Other (Explain): _____			
If yes, to what depth (feet)? <i>3'</i>	Depth to Water (feet)	Sealing Materials		<input checked="" type="checkbox"/> Neat Cement Grout		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
		<input type="checkbox"/> Sand-Cement (Concrete) Grout		<input type="checkbox"/> Bentonite-Sand Slurry " "			
		<input type="checkbox"/> Concrete		<input checked="" type="checkbox"/> Bentonite Chips			
		For Monitoring Wells and Monitoring Well Boreholes Only:		<input checked="" type="checkbox"/> Bentonite Chips		<input type="checkbox"/> Bentonite - Cement Grout	
		<input type="checkbox"/> Granular Bentonite		<input type="checkbox"/> Bentonite - Sand Slurry			

5. Material Used To Fill Well / Drillhole			
From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	<i>3</i>		
<i>3</i>	<i>4</i>		

Cement Grout
3/8 Bentonite chips

6. Comments
GP-16

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <i>Darrin Pentice, Geiss</i>	License #	Date of Filling & Sealing (mm/dd/yyyy) <i>04/08/2015</i>	Date Received	Noted By
Street or Route		Telephone Number ()	Comments	
City	State	ZIP Code	Signature of Person Doing Work	
			Date Signed	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to:
 Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other: _____

1. Well Location Information				2. Facility / Owner Information			
County <i>Wausau</i>		WI Unique Well # of Removed Well		Facility Name <i>Farmer Kraft Cleaners</i>		Facility ID (FID or PWS)	
Latitude / Longitude (Degrees and Minutes)		Method Code (see instructions)		License/Permit/Monitoring #		Original Well Owner <i>DERF</i>	
Township		Range		City of Present Owner		State <i>WI</i>	
Well Street Address		Well ZIP Code		Mailing Address of Present Owner		ZIP Code	
Subdivision Name		Lot #		City of Present Owner		State <i>WI</i>	
Reason For Removal From Service		WI Unique Well # of Replacement Well		4. Pump, Liner, Screen, Casing & Sealing Material			

3. Well / Drillhole / Borehole Information		Original Construction Date (mm/dd/yyyy) <i>04/08/15</i>		Pump and piping removed?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Monitoring Well		If a Well Construction Report is available, please attach.		Liner(s) removed?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Water Well				Screen removed?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Borehole / Drillhole				Casing left in place?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Construction Type:				Was casing cut off below surface?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Drilled		<input type="checkbox"/> Driven (Sandpoint)		Did sealing material rise to surface?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Other (specify): <i>Push-Probe</i>				Did material settle after 24 hours?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
				If yes, was hole retopped?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
				If bentonite chips were used, were they hydrated with water from a known safe source?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

Formation Type:		Required Method of Placing Sealing Material	
<input checked="" type="checkbox"/> Unconsolidated Formation		<input type="checkbox"/> Conductor Pipe-Gravity	
<input type="checkbox"/> Bedrock		<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips)	
Total Well Depth From Ground Surface (ft.)		<input type="checkbox"/> Conductor Pipe-Pumped	
<i>4'</i>		Other (Explain): _____	
Casing Diameter (in.)		Sealing Materials	
<i>2</i>		<input checked="" type="checkbox"/> Neat Cement Grout	
Lower Drillhole Diameter (in.)		<input type="checkbox"/> Sand-Cement (Concrete) Grout	
<i>2</i>		<input type="checkbox"/> Concrete	
Casing Depth (ft.)		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
<i>3</i>		<input type="checkbox"/> Bentonite-Sand Slurry " "	
Was well annular space grouted?		<input checked="" type="checkbox"/> Bentonite Chips	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		For Monitoring Wells and Monitoring Well Boreholes Only:	
If yes, to what depth (feet)?		<input type="checkbox"/> Bentonite Chips	
<i>3</i>		<input type="checkbox"/> Bentonite - Cement Grout	
Depth to Water (feet)		<input type="checkbox"/> Granular Bentonite	
<i>3</i>		<input type="checkbox"/> Bentonite - Sand Slurry	

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
<i>Cement Grout</i>	Surface	<i>3</i>		
<i>3/4 Bentonite Chips</i>	<i>3'</i>	<i>4'</i>		

6. Comments
GP-17

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <i>Dawn Probie, Geiss</i>	License #	Date of Filling & Sealing (mm/dd/yyyy) <i>04/08/15</i>	Date Received	Noted By
Street or Route	Telephone Number ()		Comments	
City	State	ZIP Code	Signature of Person Doing Work	Date Signed

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to:
 Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other: _____

1. Well Location Information:			2. Facility / Owner Information		
County <i>Wausau</i>	WI Unique Well # of Removed Well	Hicap #	Facility Name <i>former Kraft cleaners</i>		
Latitude / Longitude (Degrees and Minutes)		Method Code (see instructions)	Facility ID (FID or PWS)		
_____ ° _____ ' N			License/Permit/Monitoring #		
_____ ° _____ ' W			Original Well Owner <i>DERF</i>		
1/4 / 1/4	1/4	Section	Township	Range	<input type="checkbox"/> E <input type="checkbox"/> W
or Gov't Lot #					
Well Street Address			Present Well Owner <i>DERF</i>		
Well City, Village or Town <i>Wausau</i>			Mailing Address of Present Owner		
Subdivision Name			City of Present Owner	State <i>WI</i>	ZIP Code
Reason For Removal From Service			WI Unique Well # of Replacement Well		

3. Well / Drillhole / Borehole Information		4. Pump, Liner, Screen, Casing & Sealing Material			
<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) <i>04/08/2015</i>	Pump and piping removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.	Liner(s) removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Borehole / Drillhole		Screen removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Construction Type:		Casing left in place?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)	Was casing cut off below surface?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Other (specify): <i>Push-Probe</i>	<input type="checkbox"/> Dug	Did sealing material rise to surface?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Formation Type:		Did material settle after 24 hours?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock	If yes, was hole retopped?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Total Well Depth From Ground Surface (ft.) <i>4'</i>	Casing Diameter (in.)	If bentonite chips were used, were they hydrated with water from a known safe source?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Lower Drillhole Diameter (in.) <i>2</i>	Casing Depth (ft.)	Required Method of Placing Sealing Material	<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped		
Was well annular space grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Depth to Water (feet) <i>3</i>	<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips)	<input type="checkbox"/> Other (Explain): _____		
5. Material Used To Fill Well / Drillhole		Sealing Materials			
<i>Cement Grout</i> <i>3/4 Bentonite chips</i>		<input checked="" type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)			
		<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " "			
		<input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips			
		For Monitoring Wells and Monitoring Well Boreholes Only:			
		<input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout			
		<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry			
		From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
		Surface	<i>3</i>		
		<i>3</i>	<i>4</i>		

6. Comments

GP-18

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <i>Darrin Proctor, Geiss</i>	License #	Date of Filling & Sealing (mm/dd/yyyy) <i>04/08/2015</i>	Date Received	Noted By
Street or Route	Telephone Number ()	Comments		
City	State	ZIP Code	Signature of Person Doing Work	Date Signed

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

<input type="checkbox"/> Verification Only of Fill and Seal	Route to: <input type="checkbox"/> Drinking Water <input type="checkbox"/> Watershed/Wastewater <input type="checkbox"/> Remediation/Redevelopment <input type="checkbox"/> Waste Management <input type="checkbox"/> Other: _____
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1. Well Location Information: County: <u>Wausau</u> WI Unique Well # of Removed Well: _____ Hicap #: _____ Latitude / Longitude (Degrees and Minutes): _____ 'N Method Code (see instructions): _____ _____ 'W 1/4 1/4 1/4 Section: _____ Township: _____ Range: <input type="checkbox"/> E <input type="checkbox"/> W or Gov't Lot #: _____ Well Street Address: _____ Well City, Village or Town: <u>Wausau</u> Well ZIP Code: _____ Subdivision Name: _____ Lot #: _____	2. Facility / Owner Information Facility Name: <u>former Kraft cleaners</u> Facility ID (FID or PWS): _____ License/Permit/Monitoring #: _____ Original Well Owner: <u>City of Wausau</u> Present Well Owner: <u>City of Wausau</u> Mailing Address of Present Owner: _____ City of Present Owner: _____ State: <u>WI</u> ZIP Code: _____
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3. Well / Drillhole / Borehole Information <input type="checkbox"/> Monitoring Well Original Construction Date (mm/dd/yyyy): <u>04/08/2015</u> <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole If a Well Construction Report is available, please attach. _____ Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (specify): <u>Rush-Probe</u>	4. Pump, Liner, Screen, Casing & Sealing Material Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Did sealing material rise to surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Did material settle after 24 hours? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Required Method of Placing Sealing Material: <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____
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Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock Total Well Depth From Ground Surface (ft.): <u>4'</u> Casing Diameter (in.): _____ Lower Drillhole Diameter (in.): <u>2</u> Casing Depth (ft.): _____ Was well annular space grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, to what depth (feet)? <u>3</u> Depth to Water (feet): _____	Sealing Materials: <input checked="" type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips For Monitoring Wells and Monitoring Well Boreholes Only: <input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry
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5. Material Used To Fill Well / Drillhole			
From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	<u>3</u>		
<u>3</u>	<u>4</u>		

6. Comments
GP-19

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing: <u>Danah Berntie, Geiss</u>	License #: _____	Date of Filling & Sealing (mm/dd/yyyy): <u>04/08/2015</u>	Date Received: _____	Noted By: _____
Street or Route: _____		Telephone Number: _____	Comments: _____	
City: _____	State: _____	ZIP Code: _____	Signature of Person Doing Work: _____	
			Date Signed: _____	

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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Verification Only of Fill and Seal

Route to:
 Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other: _____

1. Well Location Information:				2. Facility / Owner Information			
County <i>Wausau</i>		WI Unique Well # of Removed Well		Hicap #		Facility Name <i>former Kraft Cleaners</i>	
Latitude / Longitude (Degrees and Minutes)				Facility ID (FID or PWS)			
_____ ° _____ ' N				License/Permit/Monitoring #			
_____ ° _____ ' W				Original Well Owner <i>City of Wausau</i>			
1/4 / 1/4		Section		Township		Present Well Owner <i>City of Wausau</i>	
or Gov't Lot #		Range		E <input type="checkbox"/>		Mailing Address of Present Owner	
Well Street Address		N <input type="checkbox"/>		W <input type="checkbox"/>		City of Present Owner	
Well City, Village or Town <i>Wausau</i>				Well ZIP Code			
Subdivision Name				Lot #		State <i>WI</i> ZIP Code	
Reason For Removal From Service				WI Unique Well # of Replacement Well			

3. Well / Drillhole / Borehole Information				4. Pump, Liner, Screen, Casing & Sealing Material:			
<input type="checkbox"/> Monitoring Well		Original Construction Date (mm/dd/yyyy) <i>04/08/2015</i>		Pump and piping removed?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach.		Liner(s) removed?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Borehole / Drillhole				Screen removed?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Construction Type:				Casing left in place?			
<input type="checkbox"/> Drilled		<input type="checkbox"/> Driven (Sandpoint)		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Was casing cut off below surface?	
<input checked="" type="checkbox"/> Other (specify): <i>Push-Probe</i>		<input type="checkbox"/> Dug		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Did sealing material rise to surface?	
Formation Type:				Did material settle after 24 hours?			
<input checked="" type="checkbox"/> Unconsolidated Formation		<input type="checkbox"/> Bedrock		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		If yes, was hole retopped?	
Total Well Depth From Ground Surface (ft.) <i>8'</i>		Casing Diameter (in.)		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		If bentonite chips were used, were they hydrated with water from a known safe source?	
Lower Drillhole Diameter (in.) <i>2</i>		Casing Depth (ft.)		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Required Method of Placing Sealing Material	
Was well annular space grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown				<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped			
If yes, to what depth (feet)? <i>7</i>		Depth to Water (feet)		<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____			
Sealing Materials				For Monitoring Wells and Monitoring Well Boreholes Only:			
<input checked="" type="checkbox"/> Neat Cement Grout		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)		<input type="checkbox"/> Bentonite Chips		<input type="checkbox"/> Bentonite - Cement Grout	
<input type="checkbox"/> Sand-Cement (Concrete) Grout		<input type="checkbox"/> Bentonite-Sand Slurry " "		<input type="checkbox"/> Bentonite - Cement Grout		<input type="checkbox"/> Bentonite - Sand Slurry	
<input type="checkbox"/> Concrete		<input checked="" type="checkbox"/> Bentonite Chips		From (ft.) To (ft.) No. Yards, Sacks Sealant or Volume (circle one) Mix Ratio or Mud Weight			

5. Material Used To Fill Well / Drillhole			
<i>Cement Grout</i>		<i>3/8 Bentonite chips</i>	
6. Comments <i>6P-20</i>			

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <i>Darrh Pentec, Geisr</i>		License #		Date Received	
Date of Filling & Sealing (mm/dd/yyyy) <i>04/08/2015</i>		Telephone Number ()		Noted By	
Street or Route		City		Comments	
State		ZIP Code		Signature of Person Doing Work	
City		State		Date Signed	

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

1. Well Location Information			2. Facility / Owner Information		
County <i>Wausau</i>	WI Unique Well # of Removed Well	Hicap #	Facility Name <i>Former Kraft Cleaners</i>		
Latitude / Longitude (Degrees and Minutes)		Method Code (see instructions)	Facility ID (FID or PWS)		
_____ 'N			License/Permit/Monitoring #		
_____ 'W			Original Well Owner <i>City of Wausau</i>		
1/4 1/4	1/4	Section	Township	Range	<input type="checkbox"/> E <input type="checkbox"/> W
or Gov't Lot #			N		
Well Street Address			Present Well Owner <i>City of Wausau</i>		
Well City, Village or Town <i>Wausau</i>			Mailing Address of Present Owner		
Subdivision Name			Lot #	City of Present Owner	State <i>WI</i> ZIP Code

Reason For Removal From Service

WI Unique Well # of Replacement Well

3. Well / Drillhole / Borehole Information		4. Pump, Liner, Screen, Casing & Sealing Material	
<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) <i>04/08/2015</i>	Pump and piping removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.	Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Borehole / Drillhole		Screen removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Construction Type:		Casing left in place?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)	Was casing cut off below surface?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Other (specify): <i>Push-Probe</i>	<input type="checkbox"/> Dug	Did sealing material rise to surface?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Formation Type:		Did material settle after 24 hours?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock	If yes, was hole retopped?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Total Well Depth From Ground Surface (ft.) <i>4</i>	Casing Diameter (in.)	If bentonite chips were used, were they hydrated with water from a known safe source?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Lower Drillhole Diameter (in.) <i>2</i>	Casing Depth (ft.)	Required Method of Placing Sealing Material	
Was well annular space grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Depth to Water (feet) <i>3</i>	<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
If yes, to what depth (feet)?		<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____	
5. Material Used To Fill Well / Drillhole		Sealing Materials	
<i>Cement Grout</i>	From (ft.)	To (ft.)	<input checked="" type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)
<i>3/8 Bentonite chips</i>	Surface	<i>3</i>	<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " "
	<i>3</i>	<i>4</i>	<input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips
			For Monitoring Wells and Monitoring Well Boreholes Only:
			<input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout
			<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry
6. Comments		No. Yards, Sacks Sealant or Volume (circle one)	
<i>GP-21</i>			
		Mix Ratio or Mud Weight	

7. Supervision of Work		DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <i>Darrin Plandice, Geiss</i>	License #	Date of Filling & Sealing (mm/dd/yyyy) <i>04/08/2015</i>	Date Received
Street or Route	Telephone Number ()	Noted By	
City	State	ZIP Code	Signature of Person Doing Work
			Date Signed

April 21, 2015

Kyle Wagoner
AECOM, Inc. - STEVENS POINT
200 INDIANA AVE
Stevens Point, WI 54481

RE: Project: 60299959 T.40.02 FORMER KRAFT
Pace Project No.: 40112934

Dear Kyle Wagoner:

Enclosed are the analytical results for sample(s) received by the laboratory on April 10, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Christopher Hyska
christopher.hyska@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 60299959 T.40.02 FORMER KRAFT
Pace Project No.: 40112934

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334

North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750

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SAMPLE SUMMARY

Project: 60299959 T.40.02 FORMER KRAFT
Pace Project No.: 40112934

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40112934001	GP-16 1'-2'	Solid	04/08/15 12:10	04/10/15 08:40
40112934002	GP-16 3'-4'	Solid	04/08/15 12:10	04/10/15 08:40
40112934003	GP-17 1'-2'	Solid	04/08/15 12:30	04/10/15 08:40
40112934004	GP-17 3'-4'	Solid	04/08/15 12:30	04/10/15 08:40
40112934005	GP-18 1'-2'	Solid	04/08/15 12:45	04/10/15 08:40
40112934006	GP-18 3'-4'	Solid	04/08/15 12:45	04/10/15 08:40
40112934007	TRIP BLANK	Solid	04/08/15 12:55	04/10/15 08:40

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SAMPLE ANALYTE COUNT

Project: 60299959 T.40.02 FORMER KRAFT
Pace Project No.: 40112934

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40112934001	GP-16 1'-2'	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40112934002	GP-16 3'-4'	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40112934003	GP-17 1'-2'	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40112934004	GP-17 3'-4'	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40112934005	GP-18 1'-2'	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40112934006	GP-18 3'-4'	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40112934007	TRIP BLANK	EPA 8260	SMT	64	PASI-G

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 60299959 T.40.02 FORMER KRAFT
Pace Project No.: 40112934

Method: EPA 8260
Description: 8260 MSV Med Level Normal List
Client: AECOM, Inc. - STEVENS POINT
Date: April 21, 2015

General Information:

7 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 5035/5030B with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSV/28049

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60299959 T.40.02 FORMER KRAFT

Pace Project No.: 40112934

Sample: GP-16 1'-2' Lab ID: 40112934001 Collected: 04/08/15 12:10 Received: 04/10/15 08:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/13/15 08:15	04/13/15 13:57	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/13/15 08:15	04/13/15 13:57	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/13/15 08:15	04/13/15 13:57	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/13/15 08:15	04/13/15 13:57	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/13/15 08:15	04/13/15 13:57	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60299959 T.40.02 FORMER KRAFT
Pace Project No.: 40112934

Sample: GP-16 1'-2' Lab ID: 40112934001 Collected: 04/08/15 12:10 Received: 04/10/15 08:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/13/15 08:15	04/13/15 13:57	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/13/15 08:15	04/13/15 13:57	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 13:57	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	93	%	49-157		1	04/13/15 08:15	04/13/15 13:57	1868-53-7	
Toluene-d8 (S)	90	%	61-148		1	04/13/15 08:15	04/13/15 13:57	2037-26-5	
4-Bromofluorobenzene (S)	88	%	53-134		1	04/13/15 08:15	04/13/15 13:57	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	11.2	%	0.10	0.10	1		04/20/15 15:35		

Sample: GP-16 3'-4' Lab ID: 40112934002 Collected: 04/08/15 12:10 Received: 04/10/15 08:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/13/15 08:15	04/13/15 14:20	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/13/15 08:15	04/13/15 14:20	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/13/15 08:15	04/13/15 14:20	67-66-3	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60299959 T.40.02 FORMER KRAFT
Pace Project No.: 40112934

Sample: GP-16 3'-4' Lab ID: 40112934002 Collected: 04/08/15 12:10 Received: 04/10/15 08:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/13/15 08:15	04/13/15 14:20	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/13/15 08:15	04/13/15 14:20	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	630-20-6	W
1,1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/13/15 08:15	04/13/15 14:20	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	108-67-8	W

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ANALYTICAL RESULTS

Project: 60299959 T.40.02 FORMER KRAFT
Pace Project No.: 40112934

Sample: GP-16 3'-4' Lab ID: 40112934002 Collected: 04/08/15 12:10 Received: 04/10/15 08:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/13/15 08:15	04/13/15 14:20	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:20	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	96	%	49-157		1	04/13/15 08:15	04/13/15 14:20	1868-53-7	
Toluene-d8 (S)	94	%	61-148		1	04/13/15 08:15	04/13/15 14:20	2037-26-5	
4-Bromofluorobenzene (S)	92	%	53-134		1	04/13/15 08:15	04/13/15 14:20	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	3.1	%	0.10	0.10	1		04/20/15 15:35		

Sample: GP-17 1'-2' Lab ID: 40112934003 Collected: 04/08/15 12:30 Received: 04/10/15 08:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/13/15 08:15	04/13/15 14:43	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/13/15 08:15	04/13/15 14:43	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/13/15 08:15	04/13/15 14:43	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/13/15 08:15	04/13/15 14:43	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	107-06-2	W

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ANALYTICAL RESULTS

Project: 60299959 T.40.02 FORMER KRAFT
Pace Project No.: 40112934

Sample: GP-17 1'-2' Lab ID: 40112934003 Collected: 04/08/15 12:30 Received: 04/10/15 08:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/13/15 08:15	04/13/15 14:43	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/13/15 08:15	04/13/15 14:43	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/13/15 08:15	04/13/15 14:43	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 14:43	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	97	%	49-157		1	04/13/15 08:15	04/13/15 14:43	1868-53-7	
Toluene-d8 (S)	97	%	61-148		1	04/13/15 08:15	04/13/15 14:43	2037-26-5	
4-Bromofluorobenzene (S)	93	%	53-134		1	04/13/15 08:15	04/13/15 14:43	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	4.6	%	0.10	0.10	1		04/20/15 15:35		
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ANALYTICAL RESULTS

Project: 60299959 T.40.02 FORMER KRAFT

Pace Project No.: 40112934

Sample: GP-17 3'-4' Lab ID: 40112934004 Collected: 04/08/15 12:30 Received: 04/10/15 08:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/13/15 08:15	04/13/15 15:06	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/13/15 08:15	04/13/15 15:06	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/13/15 08:15	04/13/15 15:06	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/13/15 08:15	04/13/15 15:06	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/13/15 08:15	04/13/15 15:06	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	100-42-5	W

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ANALYTICAL RESULTS

Project: 60299959 T.40.02 FORMER KRAFT

Pace Project No.: 40112934

Sample: GP-17 3'-4' Lab ID: 40112934004 Collected: 04/08/15 12:30 Received: 04/10/15 08:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/13/15 08:15	04/13/15 15:06	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/13/15 08:15	04/13/15 15:06	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:06	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	98	%	49-157		1	04/13/15 08:15	04/13/15 15:06	1868-53-7	
Toluene-d8 (S)	98	%	61-148		1	04/13/15 08:15	04/13/15 15:06	2037-26-5	
4-Bromofluorobenzene (S)	95	%	53-134		1	04/13/15 08:15	04/13/15 15:06	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture 5.4 % 0.10 0.10 1 04/20/15 15:35

Sample: GP-18 1'-2' Lab ID: 40112934005 Collected: 04/08/15 12:45 Received: 04/10/15 08:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/13/15 08:15	04/13/15 15:30	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/13/15 08:15	04/13/15 15:30	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/13/15 08:15	04/13/15 15:30	67-66-3	W

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ANALYTICAL RESULTS

Project: 60299959 T.40.02 FORMER KRAFT
Pace Project No.: 40112934

Sample: GP-18 1'-2' Lab ID: 40112934005 Collected: 04/08/15 12:45 Received: 04/10/15 08:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/13/15 08:15	04/13/15 15:30	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/13/15 08:15	04/13/15 15:30	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	79-34-5	W
Tetrachloroethene	29.0J	ug/kg	66.1	27.5	1	04/13/15 08:15	04/13/15 15:30	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/13/15 08:15	04/13/15 15:30	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	108-67-8	W

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ANALYTICAL RESULTS

Project: 60299959 T.40.02 FORMER KRAFT
Pace Project No.: 40112934

Sample: GP-18 1'-2' Lab ID: 40112934005 Collected: 04/08/15 12:45 Received: 04/10/15 08:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/13/15 08:15	04/13/15 15:30	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:30	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	99	%	49-157		1	04/13/15 08:15	04/13/15 15:30	1868-53-7	
Toluene-d8 (S)	97	%	61-148		1	04/13/15 08:15	04/13/15 15:30	2037-26-5	
4-Bromofluorobenzene (S)	92	%	53-134		1	04/13/15 08:15	04/13/15 15:30	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	9.2	%	0.10	0.10	1		04/20/15 15:35		

Sample: GP-18 3'-4' Lab ID: 40112934006 Collected: 04/08/15 12:45 Received: 04/10/15 08:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/13/15 08:15	04/13/15 15:53	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/13/15 08:15	04/13/15 15:53	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/13/15 08:15	04/13/15 15:53	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/13/15 08:15	04/13/15 15:53	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	107-06-2	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60299959 T.40.02 FORMER KRAFT
Pace Project No.: 40112934

Sample: GP-18 3'-4' Lab ID: 40112934006 Collected: 04/08/15 12:45 Received: 04/10/15 08:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/13/15 08:15	04/13/15 15:53	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/13/15 08:15	04/13/15 15:53	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/13/15 08:15	04/13/15 15:53	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 15:53	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	95	%	49-157		1	04/13/15 08:15	04/13/15 15:53	1868-53-7	
Toluene-d8 (S)	94	%	61-148		1	04/13/15 08:15	04/13/15 15:53	2037-26-5	
4-Bromofluorobenzene (S)	90	%	53-134		1	04/13/15 08:15	04/13/15 15:53	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	2.9	%	0.10	0.10	1		04/20/15 15:35		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60299959 T.40.02 FORMER KRAFT

Pace Project No.: 40112934

Sample: TRIP BLANK Lab ID: 40112934007 Collected: 04/08/15 12:55 Received: 04/10/15 08:40 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/13/15 08:15	04/13/15 11:38	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/13/15 08:15	04/13/15 11:38	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/13/15 08:15	04/13/15 11:38	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/13/15 08:15	04/13/15 11:38	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/13/15 08:15	04/13/15 11:38	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60299959 T.40.02 FORMER KRAFT
Pace Project No.: 40112934

Sample: TRIP BLANK Lab ID: 40112934007 Collected: 04/08/15 12:55 Received: 04/10/15 08:40 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	630-20-6	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/13/15 08:15	04/13/15 11:38	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/13/15 08:15	04/13/15 11:38	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 11:38	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	97	%	49-157		1	04/13/15 08:15	04/13/15 11:38	1868-53-7	
Toluene-d8 (S)	89	%	61-148		1	04/13/15 08:15	04/13/15 11:38	2037-26-5	
4-Bromofluorobenzene (S)	94	%	53-134		1	04/13/15 08:15	04/13/15 11:38	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60299959 T.40.02 FORMER KRAFT

Pace Project No.: 40112934

QC Batch: MSV/28049 Analysis Method: EPA 8260
 QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
 Associated Lab Samples: 40112934001, 40112934002, 40112934003, 40112934004, 40112934005, 40112934006, 40112934007

METHOD BLANK: 1140423 Matrix: Solid
 Associated Lab Samples: 40112934001, 40112934002, 40112934003, 40112934004, 40112934005, 40112934006, 40112934007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	04/13/15 09:43	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	04/13/15 09:43	
1,1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	04/13/15 09:43	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	04/13/15 09:43	
1,1-Dichloroethane	ug/kg	<17.6	50.0	04/13/15 09:43	
1,1-Dichloroethene	ug/kg	<17.6	50.0	04/13/15 09:43	
1,1-Dichloropropene	ug/kg	<14.0	50.0	04/13/15 09:43	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	04/13/15 09:43	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	04/13/15 09:43	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	04/13/15 09:43	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	04/13/15 09:43	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	04/13/15 09:43	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	04/13/15 09:43	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	04/13/15 09:43	
1,2-Dichloroethane	ug/kg	<15.0	50.0	04/13/15 09:43	
1,2-Dichloropropane	ug/kg	<16.8	50.0	04/13/15 09:43	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	04/13/15 09:43	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	04/13/15 09:43	
1,3-Dichloropropane	ug/kg	<12.0	50.0	04/13/15 09:43	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	04/13/15 09:43	
2,2-Dichloropropane	ug/kg	<12.6	50.0	04/13/15 09:43	
2-Chlorotoluene	ug/kg	<15.8	50.0	04/13/15 09:43	
4-Chlorotoluene	ug/kg	<13.0	50.0	04/13/15 09:43	
Benzene	ug/kg	<9.2	20.0	04/13/15 09:43	
Bromobenzene	ug/kg	<20.6	50.0	04/13/15 09:43	
Bromochloromethane	ug/kg	<21.4	50.0	04/13/15 09:43	
Bromodichloromethane	ug/kg	<9.8	50.0	04/13/15 09:43	
Bromoform	ug/kg	<19.8	50.0	04/13/15 09:43	
Bromomethane	ug/kg	<69.9	250	04/13/15 09:43	
Carbon tetrachloride	ug/kg	<12.1	50.0	04/13/15 09:43	
Chlorobenzene	ug/kg	<14.8	50.0	04/13/15 09:43	
Chloroethane	ug/kg	<67.0	250	04/13/15 09:43	
Chloroform	ug/kg	<46.4	250	04/13/15 09:43	
Chloromethane	ug/kg	<20.4	50.0	04/13/15 09:43	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	04/13/15 09:43	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	04/13/15 09:43	
Dibromochloromethane	ug/kg	<17.9	50.0	04/13/15 09:43	
Dibromomethane	ug/kg	<19.3	50.0	04/13/15 09:43	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	04/13/15 09:43	
Diisopropyl ether	ug/kg	<17.7	50.0	04/13/15 09:43	
Ethylbenzene	ug/kg	<12.4	50.0	04/13/15 09:43	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: 60299959 T.40.02 FORMER KRAFT
Pace Project No.: 40112934

METHOD BLANK: 1140423 Matrix: Solid
Associated Lab Samples: 40112934001, 40112934002, 40112934003, 40112934004, 40112934005, 40112934006, 40112934007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	04/13/15 09:43	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	04/13/15 09:43	
m&p-Xylene	ug/kg	<34.4	100	04/13/15 09:43	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	04/13/15 09:43	
Methylene Chloride	ug/kg	<16.2	50.0	04/13/15 09:43	
n-Butylbenzene	ug/kg	<10.5	50.0	04/13/15 09:43	
n-Propylbenzene	ug/kg	<11.6	50.0	04/13/15 09:43	
Naphthalene	ug/kg	<40.0	250	04/13/15 09:43	
o-Xylene	ug/kg	<14.0	50.0	04/13/15 09:43	
p-Isopropyltoluene	ug/kg	<12.0	50.0	04/13/15 09:43	
sec-Butylbenzene	ug/kg	<11.9	50.0	04/13/15 09:43	
Styrene	ug/kg	<9.0	50.0	04/13/15 09:43	
tert-Butylbenzene	ug/kg	<9.5	50.0	04/13/15 09:43	
Tetrachloroethene	ug/kg	<12.9	50.0	04/13/15 09:43	
Toluene	ug/kg	<11.2	50.0	04/13/15 09:43	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	04/13/15 09:43	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	04/13/15 09:43	
Trichloroethene	ug/kg	<23.6	50.0	04/13/15 09:43	
Trichlorofluoromethane	ug/kg	<24.7	50.0	04/13/15 09:43	
Vinyl chloride	ug/kg	<21.1	50.0	04/13/15 09:43	
4-Bromofluorobenzene (S)	%	97	53-134	04/13/15 09:43	
Dibromofluoromethane (S)	%	99	49-157	04/13/15 09:43	
Toluene-d8 (S)	%	99	61-148	04/13/15 09:43	

LABORATORY CONTROL SAMPLE & LCSD: 1140424

1140425

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2770	2790	111	112	70-130	1	20	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2660	2710	106	109	70-130	2	20	
1,1,2-Trichloroethane	ug/kg	2500	2570	2570	103	103	70-130	0	20	
1,1-Dichloroethane	ug/kg	2500	2380	2260	95	90	70-130	5	20	
1,1-Dichloroethene	ug/kg	2500	2300	2180	92	87	70-132	5	20	
1,2,4-Trichlorobenzene	ug/kg	2500	2710	2670	108	107	70-130	1	20	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2640	2770	106	111	45-150	5	20	
1,2-Dibromoethane (EDB)	ug/kg	2500	2660	2620	106	105	70-130	1	20	
1,2-Dichlorobenzene	ug/kg	2500	2570	2540	103	102	70-130	1	20	
1,2-Dichloroethane	ug/kg	2500	2600	2600	104	104	70-134	0	20	
1,2-Dichloropropane	ug/kg	2500	2640	2560	106	102	70-130	3	20	
1,3-Dichlorobenzene	ug/kg	2500	2560	2490	102	100	70-130	3	20	
1,4-Dichlorobenzene	ug/kg	2500	2540	2520	102	101	70-130	1	20	
Benzene	ug/kg	2500	2470	2450	99	98	70-130	1	20	
Bromodichloromethane	ug/kg	2500	2680	2640	107	106	70-130	1	20	
Bromoform	ug/kg	2500	2620	2710	105	108	48-130	3	20	
Bromomethane	ug/kg	2500	1860	1980	74	79	70-169	6	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60299959 T.40.02 FORMER KRAFT

Pace Project No.: 40112934

LABORATORY CONTROL SAMPLE & LCSD: 1140424		1140425								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Carbon tetrachloride	ug/kg	2500	2730	2800	109	112	67-130	3	20	
Chlorobenzene	ug/kg	2500	2650	2580	106	103	70-130	2	20	
Chloroethane	ug/kg	2500	1890	1820	76	73	70-191	4	20	
Chloroform	ug/kg	2500	2460	2490	99	100	70-130	1	20	
Chloromethane	ug/kg	2500	2290	2320	92	93	52-132	1	20	
cis-1,2-Dichloroethene	ug/kg	2500	2340	2370	94	95	70-130	1	20	
cis-1,3-Dichloropropene	ug/kg	2500	2560	2560	102	102	70-130	0	20	
Dibromochloromethane	ug/kg	2500	2710	2740	108	109	65-130	1	20	
Dichlorodifluoromethane	ug/kg	2500	2310	2280	92	91	12-150	1	20	
Ethylbenzene	ug/kg	2500	2650	2600	106	104	70-130	2	20	
Isopropylbenzene (Cumene)	ug/kg	2500	2650	2590	106	104	70-130	2	20	
m&p-Xylene	ug/kg	5000	5270	5150	105	103	70-130	2	20	
Methyl-tert-butyl ether	ug/kg	2500	2190	2240	87	90	70-130	2	20	
Methylene Chloride	ug/kg	2500	2360	2340	94	94	70-131	1	20	
o-Xylene	ug/kg	2500	2630	2590	105	104	70-130	2	20	
Styrene	ug/kg	2500	2620	2620	105	105	70-130	0	20	
Tetrachloroethene	ug/kg	2500	2700	2610	108	104	70-130	3	20	
Toluene	ug/kg	2500	2630	2570	105	103	70-130	2	20	
trans-1,2-Dichloroethene	ug/kg	2500	2280	2280	91	91	69-130	0	20	
trans-1,3-Dichloropropene	ug/kg	2500	2620	2610	105	105	65-130	0	20	
Trichloroethene	ug/kg	2500	2710	2700	109	108	70-130	0	20	
Trichlorofluoromethane	ug/kg	2500	2370	2230	95	89	50-150	6	20	
Vinyl chloride	ug/kg	2500	2500	2490	100	100	67-134	0	20	
4-Bromofluorobenzene (S)	%				102	103	53-134			
Dibromofluoromethane (S)	%				99	98	49-157			
Toluene-d8 (S)	%				97	95	61-148			

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QUALITY CONTROL DATA

Project: 60299959 T.40.02 FORMER KRAFT
Pace Project No.: 40112934

QC Batch: PMST/11064 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40112934001, 40112934002, 40112934003, 40112934004, 40112934005, 40112934006

SAMPLE DUPLICATE: 1144310

Parameter	Units	40112934006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	2.9	3.2	10	10	

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QUALIFIERS

Project: 60299959 T.40.02 FORMER KRAFT
Pace Project No.: 40112934

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

BATCH QUALIFIERS

Batch: MSV/28050

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

W Non-detect results are reported on a wet weight basis.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60299959 T.40.02 FORMER KRAFT

Pace Project No.: 40112934

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40112934001	GP-16 1'-2'	EPA 5035/5030B	MSV/28049	EPA 8260	MSV/28050
40112934002	GP-16 3'-4'	EPA 5035/5030B	MSV/28049	EPA 8260	MSV/28050
40112934003	GP-17 1'-2'	EPA 5035/5030B	MSV/28049	EPA 8260	MSV/28050
40112934004	GP-17 3'-4'	EPA 5035/5030B	MSV/28049	EPA 8260	MSV/28050
40112934005	GP-18 1'-2'	EPA 5035/5030B	MSV/28049	EPA 8260	MSV/28050
40112934006	GP-18 3'-4'	EPA 5035/5030B	MSV/28049	EPA 8260	MSV/28050
40112934007	TRIP BLANK	EPA 5035/5030B	MSV/28049	EPA 8260	MSV/28050
40112934001	GP-16 1'-2'	ASTM D2974-87	PMST/11064		
40112934002	GP-16 3'-4'	ASTM D2974-87	PMST/11064		
40112934003	GP-17 1'-2'	ASTM D2974-87	PMST/11064		
40112934004	GP-17 3'-4'	ASTM D2974-87	PMST/11064		
40112934005	GP-18 1'-2'	ASTM D2974-87	PMST/11064		
40112934006	GP-18 3'-4'	ASTM D2974-87	PMST/11064		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: **AECOM**
 Branch/Location: **STEVENS POINT**
 Project Contact: **Kyle Wagoner**
 Phone: **715-210-3038**
 Project Number: **60299959 TASK 40.02**
 Project Name: **Former Kraft Cleaners**
 Project State: **WI**
 Sampled By (Print): **Marcus Hopkins**
 Sampled By (Sign): *Marcus Hopkins*
 PO #: _____ Regulatory Program: _____



UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

40112934

CHAIN OF CUSTODY

***Preservation Codes**
 A=None B=HCL C=H2SO4 D=HNO3 E=Dl Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Y/N	N	N																
Pick Letter	F	A																
Analysis Requested	VOC	8260	Percent Solid															

Quote #: _____
 Mail To Contact: **Kyle Wagoner**
 Mail To Company: **AECOM**
 Mail To Address: **Kyle.Wagoner@aecom.com**
 Invoice To Contact: **Kyle Wagoner**
 Invoice To Company: **AECOM**
 Invoice To Address: **Kyle.Wagoner@aecom.com**
 Invoice To Phone: **715-210-3038**
 CLIENT COMMENTS: _____
 LAB COMMENTS (Lab Use Only):
 Profile # _____
 1-40ml VF, 1-40zr⁴
 1-40ml VF

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Y/N	F	A												
		DATE	TIME																
001	GP-16 1'-2'	4/8/15	1210	S	Y	X	X												
002	GP-16 3'-4'	4/8/15	1210	S	Y	X	X												
003	GP-17 1'-2'	4/8/15	1230	S	Y	X	X												
004	GP-17 3'-4'	4/8/15	1230	S	Y	X	X												
005	GP-18 1'-2'	4/8/15	1245	S	Y	X	X												
006	GP-18 3'-4'	4/8/15	1245	S	Y	X	X												
007	Trip Blank	4/8/15	1255		Y	X													

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed: _____

Transmit Prelim Rush Results by (complete what you want): _____

Relinquished By: **WATCO** Date/Time: **4-10-15 840** Received By: **Mari McKay** Date/Time: **4-10-15 840**

Relinquished By: _____ Date/Time: _____ Received By: _____ Date/Time: _____

Relinquished By: _____ Date/Time: _____ Received By: _____ Date/Time: _____

Relinquished By: _____ Date/Time: _____ Received By: _____ Date/Time: _____

Relinquished By: _____ Date/Time: _____ Received By: _____ Date/Time: _____

PACE Project No. **40112934**
 Receipt Temp = **201 °C**
 Sample Receipt pH **OK / Adjusted**
 Cooler Custody Seal Present **(Not Present)** Intact / Not Intact

Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302



Project #: **WO#: 40112934**

Client Name: ae.com

Courier: Fed Ex UPS Client Pace Other: Wattco

Tracking #: 765078-1



Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used na Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 2.01 /Corr: _____ Biological Tissue is Frozen: yes

Temp Blank Present: yes no no

Person examining contents:
Date: 4-10-15
Initials: mm

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

		Comments:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>002 - GP - 16 3'-4' time on label 12:12 - on plastic cup only</u>
-Includes date/time/ID/Analysis Matrix:	<u>S</u>	
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed Lab Std #/ID of preservative Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: _____ If checked, see attached form for additional comments

Person Contacted: Marcus H. Date/Time: 4/10/15

Comments/ Resolution: Client label tape weights covered up. mm 4-10-15
Use inc time as correct for 002 per MH. 4/10/15 CDH

Project Manager Review: [Signature] Date: 4/10/15

April 21, 2015

Kyle Wagoner
AECOM, Inc. - STEVENS POINT
200 INDIANA AVE
Stevens Point, WI 54481

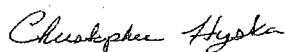
RE: Project: 60299959 T.100 FORMER KRAFT
Pace Project No.: 40112945

Dear Kyle Wagoner:

Enclosed are the analytical results for sample(s) received by the laboratory on April 10, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Christopher Hyska
christopher.hyska@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 60299959 T.100 FORMER KRAFT
Pace Project No.: 40112945

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334

North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 60299959 T.100 FORMER KRAFT
Pace Project No.: 40112945

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40112945001	GP-19 1'-2'	Solid	04/08/15 13:05	04/10/15 08:40
40112945002	GP-19 3'-4'	Solid	04/08/15 13:05	04/10/15 08:40
40112945003	GP-20 1'-2'	Solid	04/08/15 13:20	04/10/15 08:40
40112945004	GP-20 3'-4'	Solid	04/08/15 13:20	04/10/15 08:40
40112945005	GP-20 7'-8'	Solid	04/08/15 13:20	04/10/15 08:40
40112945006	GP-21 1'-2'	Solid	04/08/15 13:40	04/10/15 08:40
40112945007	GP-21 3'-4'	Solid	04/08/15 13:40	04/10/15 08:40

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SAMPLE ANALYTE COUNT

Project: 60299959 T.100 FORMER KRAFT
Pace Project No.: 40112945

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40112945001	GP-19 1'-2'	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40112945002	GP-19 3'-4'	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40112945003	GP-20 1'-2'	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40112945004	GP-20 3'-4'	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40112945005	GP-20 7'-8'	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40112945006	GP-21 1'-2'	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40112945007	GP-21 3'-4'	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 60299959 T.100 FORMER KRAFT
Pace Project No.: 40112945

Method: EPA 8260
Description: 8260 MSV Med Level Normal List
Client: AECOM, Inc. - STEVENS POINT
Date: April 21, 2015

General Information:

7 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 5035/5030B with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSV/28049

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: 60299959 T.100 FORMER KRAFT
Pace Project No.: 40112945

Sample: GP-19 1'-2' Lab ID: 40112945001 Collected: 04/08/15 13:05 Received: 04/10/15 08:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/13/15 08:15	04/13/15 16:16	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/13/15 08:15	04/13/15 16:16	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/13/15 08:15	04/13/15 16:16	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/13/15 08:15	04/13/15 16:16	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/13/15 08:15	04/13/15 16:16	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	100-42-5	W

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ANALYTICAL RESULTS

Project: 60299959 T.100 FORMER KRAFT
Pace Project No.: 40112945

Sample: GP-19 1'-2' Lab ID: 40112945001 Collected: 04/08/15 13:05 Received: 04/10/15 08:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/13/15 08:15	04/13/15 16:16	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/13/15 08:15	04/13/15 16:16	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:16	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	98	%	49-157		1	04/13/15 08:15	04/13/15 16:16	1868-53-7	
Toluene-d8 (S)	95	%	61-148		1	04/13/15 08:15	04/13/15 16:16	2037-26-5	
4-Bromofluorobenzene (S)	91	%	53-134		1	04/13/15 08:15	04/13/15 16:16	460-00-4	

Percent Moisture Analytical Method: ASTM D2974-87

Percent Moisture 2.9 % 0.10 0.10 1 04/20/15 15:36

Sample: GP-19 3'-4' Lab ID: 40112945002 Collected: 04/08/15 13:05 Received: 04/10/15 08:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/13/15 08:15	04/13/15 16:39	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/13/15 08:15	04/13/15 16:39	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/13/15 08:15	04/13/15 16:39	67-66-3	W

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ANALYTICAL RESULTS

Project: 60299959 T.100 FORMER KRAFT

Pace Project No.: 40112945

Sample: GP-19 3'-4' Lab ID: 40112945002 Collected: 04/08/15 13:05 Received: 04/10/15 08:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/13/15 08:15	04/13/15 16:39	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	107-06-2	W
1,1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/13/15 08:15	04/13/15 16:39	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/13/15 08:15	04/13/15 16:39	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	108-67-8	W

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ANALYTICAL RESULTS

Project: 60299959 T.100 FORMER KRAFT

Pace Project No.: 40112945

Sample: GP-19 3'-4' Lab ID: 40112945002 Collected: 04/08/15 13:05 Received: 04/10/15 08:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/13/15 08:15	04/13/15 16:39	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 16:39	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	94	%	49-157		1	04/13/15 08:15	04/13/15 16:39	1868-53-7	
Toluene-d8 (S)	94	%	61-148		1	04/13/15 08:15	04/13/15 16:39	2037-26-5	
4-Bromofluorobenzene (S)	90	%	53-134		1	04/13/15 08:15	04/13/15 16:39	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	6.1	%	0.10	0.10	1		04/20/15 15:36		

Sample: GP-20 1'-2' Lab ID: 40112945003 Collected: 04/08/15 13:20 Received: 04/10/15 08:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/13/15 08:15	04/13/15 17:02	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/13/15 08:15	04/13/15 17:02	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/13/15 08:15	04/13/15 17:02	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/13/15 08:15	04/13/15 17:02	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	107-06-2	W

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ANALYTICAL RESULTS

Project: 60299959 T.100 FORMER KRAFT

Pace Project No.: 40112945

Sample: GP-20 1'-2' Lab ID: 40112945003 Collected: 04/08/15 13:20 Received: 04/10/15 08:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/13/15 08:15	04/13/15 17:02	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/13/15 08:15	04/13/15 17:02	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/13/15 08:15	04/13/15 17:02	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:02	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	93	%	49-157		1	04/13/15 08:15	04/13/15 17:02	1868-53-7	
Toluene-d8 (S)	91	%	61-148		1	04/13/15 08:15	04/13/15 17:02	2037-26-5	
4-Bromofluorobenzene (S)	88	%	53-134		1	04/13/15 08:15	04/13/15 17:02	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	6.2	%	0.10	0.10	1		04/20/15 15:36		

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ANALYTICAL RESULTS

Project: 60299959 T.100 FORMER KRAFT

Pace Project No.: 40112945

Sample: GP-20 3'-4' Lab ID: 40112945004 Collected: 04/08/15 13:20 Received: 04/10/15 08:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/13/15 08:15	04/13/15 17:25	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/13/15 08:15	04/13/15 17:25	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/13/15 08:15	04/13/15 17:25	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/13/15 08:15	04/13/15 17:25	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/13/15 08:15	04/13/15 17:25	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	100-42-5	W

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ANALYTICAL RESULTS

Project: 60299959 T.100 FORMER KRAFT
Pace Project No.: 40112945

Sample: GP-20 3'-4' Lab ID: 40112945004 Collected: 04/08/15 13:20 Received: 04/10/15 08:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/13/15 08:15	04/13/15 17:25	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/13/15 08:15	04/13/15 17:25	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:25	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	98	%	49-157		1	04/13/15 08:15	04/13/15 17:25	1868-53-7	
Toluene-d8 (S)	97	%	61-148		1	04/13/15 08:15	04/13/15 17:25	2037-26-5	
4-Bromofluorobenzene (S)	92	%	53-134		1	04/13/15 08:15	04/13/15 17:25	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture 3.2 % 0.10 0.10 1 04/20/15 15:36

Sample: GP-20 7'-8' Lab ID: 40112945005 Collected: 04/08/15 13:20 Received: 04/10/15 08:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/13/15 08:15	04/13/15 17:48	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/13/15 08:15	04/13/15 17:48	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/13/15 08:15	04/13/15 17:48	67-66-3	W

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ANALYTICAL RESULTS

Project: 60299959 T.100 FORMER KRAFT
Pace Project No.: 40112945

Sample: GP-20 7'-8' Lab ID: 40112945005 Collected: 04/08/15 13:20 Received: 04/10/15 08:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/13/15 08:15	04/13/15 17:48	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/13/15 08:15	04/13/15 17:48	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/13/15 08:15	04/13/15 17:48	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	108-67-8	W

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ANALYTICAL RESULTS

Project: 60299959 T.100 FORMER KRAFT

Pace Project No.: 40112945

Sample: GP-20 7'-8' Lab ID: 40112945005 Collected: 04/08/15 13:20 Received: 04/10/15 08:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/13/15 08:15	04/13/15 17:48	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 17:48	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	96	%	49-157		1	04/13/15 08:15	04/13/15 17:48	1868-53-7	
Toluene-d8 (S)	92	%	61-148		1	04/13/15 08:15	04/13/15 17:48	2037-26-5	
4-Bromofluorobenzene (S)	88	%	53-134		1	04/13/15 08:15	04/13/15 17:48	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	3.2	%	0.10	0.10	1		04/20/15 15:36		

Sample: GP-21 1'-2' Lab ID: 40112945006 Collected: 04/08/15 13:40 Received: 04/10/15 08:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/13/15 08:15	04/13/15 18:11	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/13/15 08:15	04/13/15 18:11	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/13/15 08:15	04/13/15 18:11	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/13/15 08:15	04/13/15 18:11	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	107-06-2	W

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ANALYTICAL RESULTS

Project: 60299959 T.100 FORMER KRAFT
Pace Project No.: 40112945

Sample: GP-21 1'-2' Lab ID: 40112945006 Collected: 04/08/15 13:40 Received: 04/10/15 08:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/13/15 08:15	04/13/15 18:11	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/13/15 08:15	04/13/15 18:11	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/13/15 08:15	04/13/15 18:11	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:11	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	100	%	49-157		1	04/13/15 08:15	04/13/15 18:11	1868-53-7	
Toluene-d8 (S)	96	%	61-148		1	04/13/15 08:15	04/13/15 18:11	2037-26-5	
4-Bromofluorobenzene (S)	93	%	53-134		1	04/13/15 08:15	04/13/15 18:11	460-00-4	

Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	5.7	%	0.10	0.10	1		04/20/15 15:36		

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ANALYTICAL RESULTS

Project: 60299959 T.100 FORMER KRAFT

Pace Project No.: 40112945

Sample: GP-21 3'-4' Lab ID: 40112945007 Collected: 04/08/15 13:40 Received: 04/10/15 08:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/13/15 08:15	04/13/15 18:34	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/13/15 08:15	04/13/15 18:34	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/13/15 08:15	04/13/15 18:34	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/13/15 08:15	04/13/15 18:34	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/13/15 08:15	04/13/15 18:34	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	100-42-5	W

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ANALYTICAL RESULTS

Project: 60299959 T.100 FORMER KRAFT

Pace Project No.: 40112945

Sample: GP-21 3'-4' Lab ID: 40112945007 Collected: 04/08/15 13:40 Received: 04/10/15 08:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	630-20-6	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/13/15 08:15	04/13/15 18:34	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/13/15 08:15	04/13/15 18:34	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/13/15 08:15	04/13/15 18:34	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	99	%	49-157		1	04/13/15 08:15	04/13/15 18:34	1868-53-7	
Toluene-d8 (S)	95	%	61-148		1	04/13/15 08:15	04/13/15 18:34	2037-26-5	
4-Bromofluorobenzene (S)	93	%	53-134		1	04/13/15 08:15	04/13/15 18:34	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	3.2	%	0.10	0.10	1		04/20/15 15:36		

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QUALITY CONTROL DATA

Project: 60299959 T.100 FORMER KRAFT
Pace Project No.: 40112945

QC Batch: MSV/28049 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40112945001, 40112945002, 40112945003, 40112945004, 40112945005, 40112945006, 40112945007

METHOD BLANK: 1140423 Matrix: Solid
Associated Lab Samples: 40112945001, 40112945002, 40112945003, 40112945004, 40112945005, 40112945006, 40112945007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	04/13/15 09:43	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	04/13/15 09:43	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	04/13/15 09:43	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	04/13/15 09:43	
1,1-Dichloroethane	ug/kg	<17.6	50.0	04/13/15 09:43	
1,1-Dichloroethene	ug/kg	<17.6	50.0	04/13/15 09:43	
1,1-Dichloropropene	ug/kg	<14.0	50.0	04/13/15 09:43	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	04/13/15 09:43	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	04/13/15 09:43	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	04/13/15 09:43	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	04/13/15 09:43	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	04/13/15 09:43	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	04/13/15 09:43	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	04/13/15 09:43	
1,2-Dichloroethane	ug/kg	<15.0	50.0	04/13/15 09:43	
1,2-Dichloropropane	ug/kg	<16.8	50.0	04/13/15 09:43	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	04/13/15 09:43	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	04/13/15 09:43	
1,3-Dichloropropane	ug/kg	<12.0	50.0	04/13/15 09:43	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	04/13/15 09:43	
2,2-Dichloropropane	ug/kg	<12.6	50.0	04/13/15 09:43	
2-Chlorotoluene	ug/kg	<15.8	50.0	04/13/15 09:43	
4-Chlorotoluene	ug/kg	<13.0	50.0	04/13/15 09:43	
Benzene	ug/kg	<9.2	20.0	04/13/15 09:43	
Bromobenzene	ug/kg	<20.6	50.0	04/13/15 09:43	
Bromochloromethane	ug/kg	<21.4	50.0	04/13/15 09:43	
Bromodichloromethane	ug/kg	<9.8	50.0	04/13/15 09:43	
Bromoform	ug/kg	<19.8	50.0	04/13/15 09:43	
Bromomethane	ug/kg	<69.9	250	04/13/15 09:43	
Carbon tetrachloride	ug/kg	<12.1	50.0	04/13/15 09:43	
Chlorobenzene	ug/kg	<14.8	50.0	04/13/15 09:43	
Chloroethane	ug/kg	<67.0	250	04/13/15 09:43	
Chloroform	ug/kg	<46.4	250	04/13/15 09:43	
Chloromethane	ug/kg	<20.4	50.0	04/13/15 09:43	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	04/13/15 09:43	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	04/13/15 09:43	
Dibromochloromethane	ug/kg	<17.9	50.0	04/13/15 09:43	
Dibromomethane	ug/kg	<19.3	50.0	04/13/15 09:43	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	04/13/15 09:43	
Diisopropyl ether	ug/kg	<17.7	50.0	04/13/15 09:43	
Ethylbenzene	ug/kg	<12.4	50.0	04/13/15 09:43	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60299959 T.100 FORMER KRAFT
Pace Project No.: 40112945

METHOD BLANK: 1140423 Matrix: Solid
Associated Lab Samples: 40112945001, 40112945002, 40112945003, 40112945004, 40112945005, 40112945006, 40112945007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	04/13/15 09:43	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	04/13/15 09:43	
m&p-Xylene	ug/kg	<34.4	100	04/13/15 09:43	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	04/13/15 09:43	
Methylene Chloride	ug/kg	<16.2	50.0	04/13/15 09:43	
n-Butylbenzene	ug/kg	<10.5	50.0	04/13/15 09:43	
n-Propylbenzene	ug/kg	<11.6	50.0	04/13/15 09:43	
Naphthalene	ug/kg	<40.0	250	04/13/15 09:43	
o-Xylene	ug/kg	<14.0	50.0	04/13/15 09:43	
p-Isopropyltoluene	ug/kg	<12.0	50.0	04/13/15 09:43	
sec-Butylbenzene	ug/kg	<11.9	50.0	04/13/15 09:43	
Styrene	ug/kg	<9.0	50.0	04/13/15 09:43	
tert-Butylbenzene	ug/kg	<9.5	50.0	04/13/15 09:43	
Tetrachloroethene	ug/kg	<12.9	50.0	04/13/15 09:43	
Toluene	ug/kg	<11.2	50.0	04/13/15 09:43	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	04/13/15 09:43	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	04/13/15 09:43	
Trichloroethene	ug/kg	<23.6	50.0	04/13/15 09:43	
Trichlorofluoromethane	ug/kg	<24.7	50.0	04/13/15 09:43	
Vinyl chloride	ug/kg	<21.1	50.0	04/13/15 09:43	
4-Bromofluorobenzene (S)	%	97	53-134	04/13/15 09:43	
Dibromofluoromethane (S)	%	99	49-157	04/13/15 09:43	
Toluene-d8 (S)	%	99	61-148	04/13/15 09:43	

LABORATORY CONTROL SAMPLE & LCSD: 1140424

1140425

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2770	2790	111	112	70-130	1	20	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2660	2710	106	109	70-130	2	20	
1,1,2-Trichloroethane	ug/kg	2500	2570	2570	103	103	70-130	0	20	
1,1-Dichloroethane	ug/kg	2500	2380	2260	95	90	70-130	5	20	
1,1-Dichloroethene	ug/kg	2500	2300	2180	92	87	70-132	5	20	
1,2,4-Trichlorobenzene	ug/kg	2500	2710	2670	108	107	70-130	1	20	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2640	2770	106	111	45-150	5	20	
1,2-Dibromoethane (EDB)	ug/kg	2500	2660	2620	106	105	70-130	1	20	
1,2-Dichlorobenzene	ug/kg	2500	2570	2540	103	102	70-130	1	20	
1,2-Dichloroethane	ug/kg	2500	2600	2600	104	104	70-134	0	20	
1,2-Dichloropropane	ug/kg	2500	2640	2560	106	102	70-130	3	20	
1,3-Dichlorobenzene	ug/kg	2500	2560	2490	102	100	70-130	3	20	
1,4-Dichlorobenzene	ug/kg	2500	2540	2520	102	101	70-130	1	20	
Benzene	ug/kg	2500	2470	2450	99	98	70-130	1	20	
Bromodichloromethane	ug/kg	2500	2680	2640	107	106	70-130	1	20	
Bromoform	ug/kg	2500	2620	2710	105	108	48-130	3	20	
Bromomethane	ug/kg	2500	1860	1980	74	79	70-169	6	20	

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QUALITY CONTROL DATA

Project: 60299959 T.100 FORMER KRAFT

Pace Project No.: 40112945

Parameter	Units	1140424		1140425		% Rec	Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCSD % Rec					
Carbon tetrachloride	ug/kg	2500	2730	2800	109	112	67-130	3	20	
Chlorobenzene	ug/kg	2500	2650	2580	106	103	70-130	2	20	
Chloroethane	ug/kg	2500	1890	1820	76	73	70-191	4	20	
Chloroform	ug/kg	2500	2460	2490	99	100	70-130	1	20	
Chloromethane	ug/kg	2500	2290	2320	92	93	52-132	1	20	
cis-1,2-Dichloroethene	ug/kg	2500	2340	2370	94	95	70-130	1	20	
cis-1,3-Dichloropropene	ug/kg	2500	2560	2560	102	102	70-130	0	20	
Dibromochloromethane	ug/kg	2500	2710	2740	108	109	65-130	1	20	
Dichlorodifluoromethane	ug/kg	2500	2310	2280	92	91	12-150	1	20	
Ethylbenzene	ug/kg	2500	2650	2600	106	104	70-130	2	20	
Isopropylbenzene (Cumene)	ug/kg	2500	2650	2590	106	104	70-130	2	20	
m&p-Xylene	ug/kg	5000	5270	5150	105	103	70-130	2	20	
Methyl-tert-butyl ether	ug/kg	2500	2190	2240	87	90	70-130	2	20	
Methylene Chloride	ug/kg	2500	2360	2340	94	94	70-131	1	20	
o-Xylene	ug/kg	2500	2630	2590	105	104	70-130	2	20	
Styrene	ug/kg	2500	2620	2620	105	105	70-130	0	20	
Tetrachloroethene	ug/kg	2500	2700	2610	108	104	70-130	3	20	
Toluene	ug/kg	2500	2630	2570	105	103	70-130	2	20	
trans-1,2-Dichloroethene	ug/kg	2500	2280	2280	91	91	69-130	0	20	
trans-1,3-Dichloropropene	ug/kg	2500	2620	2610	105	105	65-130	0	20	
Trichloroethene	ug/kg	2500	2710	2700	109	108	70-130	0	20	
Trichlorofluoromethane	ug/kg	2500	2370	2230	95	89	50-150	6	20	
Vinyl chloride	ug/kg	2500	2500	2490	100	100	67-134	0	20	
4-Bromofluorobenzene (S)	%				102	103	53-134			
Dibromofluoromethane (S)	%				99	98	49-157			
Toluene-d8 (S)	%				97	95	61-148			

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QUALIFIERS

Project: 60299959 T.100 FORMER KRAFT

Pace Project No.: 40112945

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

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

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TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

BATCH QUALIFIERS

Batch: MSV/28050

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

W Non-detect results are reported on a wet weight basis.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60299959 T.100 FORMER KRAFT

Pace Project No.: 40112945

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40112945001	GP-19 1'-2'	EPA 5035/5030B	MSV/28049	EPA 8260	MSV/28050
40112945002	GP-19 3'-4'	EPA 5035/5030B	MSV/28049	EPA 8260	MSV/28050
40112945003	GP-20 1'-2'	EPA 5035/5030B	MSV/28049	EPA 8260	MSV/28050
40112945004	GP-20 3'-4'	EPA 5035/5030B	MSV/28049	EPA 8260	MSV/28050
40112945005	GP-20 7'-8'	EPA 5035/5030B	MSV/28049	EPA 8260	MSV/28050
40112945006	GP-21 1'-2'	EPA 5035/5030B	MSV/28049	EPA 8260	MSV/28050
40112945007	GP-21 3'-4'	EPA 5035/5030B	MSV/28049	EPA 8260	MSV/28050
40112945001	GP-19 1'-2'	ASTM D2974-87	PMST/11064		
40112945002	GP-19 3'-4'	ASTM D2974-87	PMST/11064		
40112945003	GP-20 1'-2'	ASTM D2974-87	PMST/11064		
40112945004	GP-20 3'-4'	ASTM D2974-87	PMST/11064		
40112945005	GP-20 7'-8'	ASTM D2974-87	PMST/11064		
40112945006	GP-21 1'-2'	ASTM D2974-87	PMST/11064		
40112945007	GP-21 3'-4'	ASTM D2974-87	PMST/11064		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

UPPER MIDWEST REGION

Page 1 of

MN: 612-607-1700 WI: 920-469-2436

40112945

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CHAIN OF CUSTODY

Company Name: **AECOM**

Branch/Location: **STEVENS POINT**

Project Contact: **KYLE WAGONER**

Phone: **715-210-3038**

Project Number: **6029959 TASK 100**

Project Name: **FORMER KRAFT CLEANERS**

Project State: **WI**

Sampled By (Print): **Marcus Hopkins**

Sampled By (Sign): *Marcus Hopkins*

PO #: _____ Regulatory Program: _____

***Preservation Codes**
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Y/N	N	N								
Pick Letter	F	A								
Analyses Requested	VOC	8860								
	Percent Solids									

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	GP-19 1'-2'	4/8/15	1305	S
002	GP-19 3'-4'	4/8/15	1305	S
003	GP-20 1'-2'	4/8/15	1320	S
004	GP-20 3'-4'	4/8/15	1320	S
005	GP-20 7'-8'	4/8/15	1320	S
006	GP-21 -1'-2'	4/8/15	1340	S
007	GP-21 3'-4'	4/8/15	1340	S

Quote #: _____

Mail To Contact: **KYLE WAGONER**

Mail To Company: **AECOM**

Mail To Address: **Kyle.Wagoner@aecom.com**

Invoice To Contact: **KYLE WAGONER**

Invoice To Company: **AECOM**

Invoice To Address: **Kyle.Wagoner@aecom.com**

Invoice To Phone: **715-210-3038**

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

1-40mLV^F, 1-40ZP^A

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
 Date Needed: _____

Transmit Prelim Rush Results by (complete what you want):

Email #1: _____

Email #2: _____

Telephone: _____

Fax: _____

Samples on HOLD are subject to special pricing and release of liability

Relinquished By: *Marcus Hopkins* Date/Time: *4/9/15*

Relinquished By: *Waltco* Date/Time: *4-10-15 840*

Relinquished By: _____ Date/Time: _____

Relinquished By: _____ Date/Time: _____

Received By: _____ Date/Time: _____

Received By: *Maim McKay* Date/Time: *4-10-15 840*

Received By: _____ Date/Time: _____

Received By: _____ Date/Time: _____

PACE Project No. **40112945**

Receipt Temp = **20i** °C

Sample Receipt pH **OK / Adjusted**

Cooler Custody Seal Present / **Not Present** Intact / Not Intact

Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302



Project #: **WO#: 40112945**

Client Name: AECOM

Courier: Fed Ex UPS Client Pace Other: waited
Tracking #: 765078-2



Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Ziploc bags 4-10-15 mm.

Thermometer Used: na Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature: Uncorr: 1201 /Corr: _____ Biological Tissue is Frozen: yes

Temp Blank Present: yes no no

Person examining contents:
Date: 4-10-15
Initials: mm

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>001 - soil sample label time smudged, mm 4-10-15</u>
-Includes date/time/ID/Analysis Matrix:	<u>5</u>	<u>Labels mm 4-10-15 are covered</u>
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed
		Lab Std #ID of preservative
		Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: _____ If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____
Comments/ Resolution: All vial tare weights are covered by client label. Also vials

Project Manager Review: [Signature] Date: 4/10/15