



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
FAX 414-263-8606
TTY 711

Rationale for No Action Required

Date stamped: October 2, 2008

Date reviewed: November 21, 2008

Name and description of site: Ha's Cleaners, 394 Falls Road, Grafton, WI

Who is submitting and for whom? Moraine Environmental submitted information on behalf of Kwang Ha, Ha's Cleaners

What has been submitted? Notification of Hazardous Substance Discharge and lab data – dated 8/21/08
No Action Required Request dated October 1, 2008
Well abandonment form received November 18, 2008

Description of contamination: During a preliminary site assessment at this dry cleaner site, very low level VOCs (PCE and TCE) was detected in groundwater collected from one of two temporary wells. Groundwater concentrations were above the NR 140 PAL but below the ES. One soil sample collected adjacent to the dry cleaning machine detected no VOCs. After receiving an RP letter, Moraine conducted additional investigation, with the installation of a NR 141-compliant monitoring well, collection of 1 groundwater sample and 3 additional soil samples. No VOCs were detected in any of the samples.

Any references to other documents available, but not submitted? No

What is being requested? No Action Required

Conclusions: Grant No Action Required status. No/insignificant detect of contaminants at the site.

BRRTS #09-46-552191 (former BRRTS#02-46-552191)
FID#246122470

Signed: 
Nancy Ryan, Hydrogeologist

Cc: Frances Koonce

Moraine Environmental, Inc.

Environmental Management Services

1402 7th Avenue, Grafton, Wisconsin 53024-2330

Phone: (262) 377-9060 Fax: (262) 377-9770 Toll Free: 1(800) 920-2205

www.moraineenvironmental.com E-mail - moraine@execpc.com**Fax Transmission**From: ~~Thomas C. Sweet~~
Barb Grundl

Pgs:

Date: 11-18-08

To: Nancy Ryan

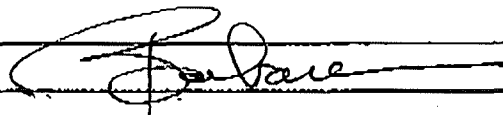
Fax #: 414-263-8550

Company: WPNR Remediation 2nd
Floor

Phone #: 414-263-8533

Re:

Nancy,

Here is the final
Abandonment form for MW-1Call if I am missing
anything else.

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location <u>MW-1</u>	County <u>Ozaukee</u>	Original Well Owner (If Known) <u>Ha's Cleaners</u>	
1/4 of 1/4 of Sec. _____ T. _____ N. R. _____ (If applicable)		Present Well Owner <u>Kwang HA</u>	
Gov't Lot _____ Grid Number _____		Street or Route <u>394 Falls Road</u>	
Grid Location _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.		City, State, Zip Code <u>Grafton WI 53024</u>	
Civil Town Name _____		Facility Well No. and/or Name (If Applicable) _____ WI Unique Well No. _____	
Street Address of Well _____		Reason For Abandonment <u>Site Closure</u>	
City, Village _____		Date of Abandonment <u>11-5-08</u>	

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) _____		(4) Depth to Water (Feet) <u>9.95</u>	
☒ Monitoring Well ☐ Water Well ☐ Drillhole ☐ Borehole Construction Type: ☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (Specify) _____ Formation Type: ☒ Unconsolidated Formation ☐ Bedrock Total Well Depth (ft.) <u>20.95</u> Casing Diameter (ins.) <u>2"</u> (From ground surface) Casing Depth (ft.) <u>20.95</u> Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown If Yes, To What Depth? _____ Feet		Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable Screen Removed? ☐ Yes ☒ No ☐ Not Applicable Casing Left in Place? ☒ Yes ☐ No If No, Explain _____ Was Casing Cut Off Below Surface? ☒ Yes ☐ No Did Sealing Material Rise to Surface? ☒ Yes ☐ No Did Material Settle After 24 Hours? ☐ Yes ☒ No If Yes, Was Hole Retopped? ☐ Yes ☐ No	
		(5) Required Method of Placing Sealing Material	
		☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Dump Bailer ☐ Other (Explain) _____	
		(6) Sealing Materials For monitoring wells and monitoring well boreholes only	
		☐ Near Cement Grout ☐ Sand-Cement (Concrete) Grout ☐ Concrete ☐ Clay-Sand Slurry ☒ Bentonite-Sand Slurry ☒ Chipped Bentonite ☒ Bentonite Pellets ☐ Granular Bentonite ☐ Bentonite - Cement Grout	

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
<u>Bentonite</u>	<u>Surface</u>	<u>20.95</u>	<u>60 lbs</u>		

(8) Comments:

(9) Name of Person, or Firm Doing Sealing Work <u>Moraine Environmental</u>	
Signature of Person Doing Work <u>Atk Roshon</u>	Date Signed <u>11/5/08</u>
Street or Route <u>1402 7th Ave</u>	Telephone Number <u>(262) 377-9060</u>
City, State, Zip Code <u>Grafton WI 53024</u>	

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

Moraine Environmental, Inc.

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1402 7th Avenue, Grafton, Wisconsin 53024-2330

Phone: (262) 377-9060 Fax: (262) 377-9770 Toll Free: 1(800) 920-2205

www.moraineenvironmental.com E-mail - moraine@execpc.com**Fax Transmission**

From: Thomas C. Sweet

Pgs: 8

Date: 11-13-08

To: Nancy Ryan

Fax #: 414-263-8550

Company: W.D.N.R. - Remediation ^{2nd} floor

Phone #: 414-263-8533

Re: Ha's Cleaners

Nancy,

Here are the boring logs, Abandonment
forms and well development forms
for Ha's Cleaners, 394 Falls Rd
Grafton, WI.

FID# 246122470

BRTS# 02-46-552191

call if you have questions

Thanks,

Barbara J. Jull

SOIL BORING LOG INFORMATION
Form 6400-122 Rev. 7/98

Page _____ of _____

[illegible]

Signature St R Papp Firm Moraine Environmental

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.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form DNR-122

Rev. 7-98

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

Page ____ of ____

Facility/Project Name 9195			License/Permit/Monitoring Number		Boring Number B2
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Stump Last Name: Rasploch Firm: Moraine Environmental			Date Drilling Started 7/29/08 m m d d y y y y	Date Drilling Completed m m d d y y y y	Drilling Method DP
WT Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 2.5 inches
Local Grid Origin ☐ (estimated) ☐ or Boring Location ☐ State Plane N E			Local Grid Location Lat 0 " E Long 0 " E Feet ☐ N ☐ E Feet ☐ S ☐ W		
1/4 of 1/4 of Section T N R			Facility ID		
County		County Code	Civil Town/City/ or Village		

Number and Type	Length Add. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	FISD	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	p 200	
0-2				6" of asphalt				0						
2-4				fill (Rock and sand)				0						
4-6				silty rocky light brown soil				0						
6-8				silty light brown soil				0						
8-10				Brown silty clay				0						
10-12				moist silty clay				0						
12-14				wet silty clay				0						
14-15				moist stiff clay and Rock				0						

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

Signature

Stump Rasploch

Firm

Moraine Environmental

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.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form DNR-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelment ☒ Other ☐

Page _____ of _____

Facility/Project Name 4195			License/Permit/Monitoring Number		Boring Number B1
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Steve Last Name: Raploch Firm: Moraine Environmental			Date Drilling Started 7-24-08 m m ' ' y y y y	Date Drilling Completed m m ' ' y y y y	Drilling Method DP
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet MSL.	Surface Elevation Feet MSL.	Borehole Diameter 2 1/2 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ State Plane N , E 1/4 of 1/4 of Section T , N , R			Local Grid Location Lat 0 ' " Long 0 ' " Feet ☐ N ☐ E ☐ S ☐ W		
Facility ID		County	County Code	Civil Town/City/ or Village	

Number and Type	Sample Length At & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	RQD ID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
7-2				6" of asphalt fill (gravel to sand)				0						
- 4				Sandy rocky soil				0						
- 6				silty light brown soil				0						
- 8				silty Brown clay				0						
- 10				moist silty clay				0						
- 12.5				moist gray clay				0						

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

Signature **Steve R. Raploch** Firm **Moraine Environmental**

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.

State of Wisconsin
Department of Natural ResourcesRoute to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name 4195	Local Grid Location of Well ft. ☐ N. ☐ S. ☐ E. ☐ W.		Well Name MW 1
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. _____ Long. _____		Wis. Unique Well No. _____ DNR Well ID No. _____
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N		Date Well Installed 7/4/2008
Type of Well	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N. R. ☐ E. ☐ W.		Well Installed By: Name (first, last) and Firm Steve Rysphal Moraine Environmental
Well Code _____	Location of Well Relative to Waste/Source u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known		
Distance from Waste/Source _____ ft.	Enf. Stds. Apply ☐	Gov. Lot Number _____	

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom _____ ft. MSL or _____ ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☐ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☐ 41
Other ☐

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☐ 99

16. Drilling additives used? ☐ Yes ☐ No

Describe _____

17. Source of water (attach analysis, if required): _____

E. Bentonite seal, top **3** ft. MSL or _____ ft.

F. Fine sand, top **9** ft. MSL or _____ ft.

G. Filter pack, top **10** ft. MSL or _____ ft.

H. Screen joint, top **11** ft. MSL or _____ ft.

I. Well bottom **21** ft. MSL or _____ ft.

J. Filter pack, bottom **21** ft. MSL or _____ ft.

K. Borehole, bottom **21** ft. MSL or _____ ft.

L. Borehole, diameter **7** in.

M. O.D. well casing **2.2** in.

N. I.D. well casing **2** in.

1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:

a. Inside diameter: **8** in.

b. Length: **7** ft.

c. Material: Steel ☒ 04

Other ☐

d. Additional protection? ☐ Yes ☒ No

If yes, describe: _____

3. Surface seal: Bentonite ☐ 30

Concrete ☒ 01

Other ☐

4. Material between well casing and protective pipe:

Bentonite ☒ 30

Other ☐

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33

b. _____ Lbs/gal mud weight... Bentonite-sand slurry ☐ 35

c. _____ Lbs/gal mud weight... Bentonite slurry ☐ 31

d. _____ % Bentonite... Bentonite-cement grout ☐ 50

e. _____ Ft. volume added for any of the above

f. How installed: Tremie ☐ 01

Tremie pumped ☐ 02

Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☐ 33

b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32

c. Other ☐

7. Fine sand material: Manufacturer, product name & mesh size

a. **Rw Sidly, fine sand, 4000**

b. Volume added _____

8. Filter pack material: Manufacturer, product name & mesh size

a. **Rw Sidly, coarse, 1020**

b. Volume added _____

9. Well casing: Flush threaded PVC schedule 40 ☒ 23

Flush threaded PVC schedule 80 ☐ 24

Other ☐

10. Screen material: **monoflex**

a. Screen type: Factory cut ☒ 11

Continuous slot ☐ 01

Other ☐

b. Manufacturer **Monoflex**

c. Slot size: **0.010 in.**

d. Slotted length: **10 ft.**

11. Backfill material (below filter pack): None ☒ 14

Other ☐

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

Signature

St R Rysphal

Firm

Moraine Environmental

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural ResourcesMONITORING WELL DEVELOPMENT
Form 4400-113B Rev. 7-98Route to: Watershed/Wastewater ☐Waste Management ☐Remediation/Redevelopment ☒Other ☐

Facility/Project Name <u>4195 Has cleaners</u>	County Name	Well Name <u>MW1</u>
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number
		DNR Well ID Number

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method

- surged with bailer and bailed ☒ 41
 surged with bailer and pumped ☐ 61
 surged with block and bailed ☐ 42
 surged with block and pumped ☐ 62
 surged with block, bailed and pumped ☐ 70
 compressed air ☐ 20
 bailed only ☐ 10
 pumped only ☐ 51
 pumped slowly ☐ 50
 Other ☐

3. Time spent developing well 45 min.4. Depth of well (from top of well casing) 21.0 ft.5. Inside diameter of well 2 in.6. Volume of water in filter pack and well casing 10.5 gal.7. Volume of water removed from well 20.8 gal.8. Volume of water added (if any) --- gal.9. Source of water added ---10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

17. Additional comments on development:

11. Depth to Water Before Development After Development

a. 8.2 ft. 20.6 ft.
(from top of well casing)Date b. 9/14/2008 9/14/2008
m m d d y y y y m m d d y y y yTime c. 1:10 ☐ a.m. 1:55 ☒ p.m.
1:10 ☒ p.m. 1:55 ☒ p.m.12. Sediment in well bottom --- inches --- inches

13. Water clarity	Clear ☐ 10	Clear ☒ 20
	Turbid ☒ 15	Turbid ☐ 25
(Describe)	<u>Turbid</u>	<u>very light</u>
	<u>Brown</u>	<u>Brown clear</u>
	<u>Thick</u>	<u>water</u>
	<u>water</u>	

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended --- mg/l --- mg/l
solids15. COD --- mg/l --- mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Steve Last Name: RosplachFirm: Moraine Environmental

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Kwang Last Name: HaFacility/Firm: Has cleanersStreet: 394 Falls RdCity/State/Zip: Grafton WI 53024

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

Signature: St R RosplachPrint Name: Steve R RosplachFirm: Moraine Environmental

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location <u>B-2</u>	County _____	Original Well Owner (If Known) <u>Has Cleaners</u>	
1/4 of _____ 1/4 of Sec. _____; T. _____ N. R. _____ (If applicable)		Present Well Owner <u>Kwong Ha</u>	
Gov't Lot _____	Grid Number _____	Street or Route <u>394 Falls Rd.</u>	
Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.	City, State, Zip Code <u>Grafton WI 53024</u>		
Civil Town Name _____	Facility Well No. and/or Name (If Applicable)		WI Unique Well No. _____
Street Address of Well _____	Reason For Abandonment <u>Site closure</u>		
City, Village _____	Date of Abandonment <u>7/29/08</u>		

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) _____		(4) Depth to Water (Feet)	
☐ Monitoring Well	Construction Report Available? ☐ Yes ☐ No	Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable	
☐ Water Well		Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable	
☐ Drillhole		Screen Removed? ☐ Yes ☐ No ☒ Not Applicable	
☒ Borehole		Casing Left in Place? ☐ Yes ☐ No ☒ Not Applicable	
Construction Type: ☐ Drilled ☒ Driven (Sandpoint) ☐ Dug ☐ Other (Specify) _____		If No, Explain _____	
Formation Type: ☒ Unconsolidated Formation ☐ Bedrock		Was Casing Cut Off Below Surface? ☐ Yes ☐ No ☒ N/A	
Total Well Depth (ft.) <u>15</u>	Casing Diameter (ins.) <u>N/A</u>	Did Sealing Material Rise to Surface? ☒ Yes ☐ No	
Casing Depth (ft.) _____		Did Material Settle After 24 Hours? ☐ Yes ☒ No	
Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown	If Yes, To What Depth? _____ Feet	If Yes, Was Hole Retopped? ☐ Yes ☐ No	
(5) Required Method of Placing Sealing Material		(6) Sealing Materials	
☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped		For monitoring wells and monitoring well boreholes only	
☐ Dump Bailer ☐ Other (Explain) _____		☐ Near Cement Grout	
		☐ Sand-Cement (Concrete) Grout	
		☐ Concrete	
		☐ Clay-Sand Slurry	
		☐ Bentonite-Sand Slurry	
		☒ Chipped Bentonite	
		☐ Bentonite Pellets	
		☐ Granular Bentonite	
		☐ Bentonite - Cement Grout	

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
<u>Bentonite</u>	Surface	<u>15</u>			

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work <u>Moraine Environmental</u>	
Signature of Person Doing Work <u>Mr. R. K. Rapp</u>	Date Signed <u>8/1/08</u>
Street or Route <u>1402 7th Ave</u>	Telephone Number <u>(262) 377-9060</u>
City, State, Zip Code <u>Grafton WI 53024</u>	

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

(2) FACILITY NAME

Well/Drillhole/Borehole Location <u>B-1</u>	County _____	Original Well Owner (If Known) <u>Hais Cleaners</u>
____ 1/4 of ____ 1/4 of Sec. ____; T. ____ N. R. ____ (If applicable)		Present Well Owner <u>Kwang Ht</u>
Gov't Lot _____ Grid Number _____		Street or Route <u>394 FALLS ROAD</u>
Grid Location ____ ft. ☐ N. ☐ S., ____ ft. ☐ E. ☐ W.		City, State, Zip Code <u>Grafton WI 53024</u>
Civil Town Name _____		Facility Well No. and/or Name (If Applicable) _____ WI Unique Well No. _____
Street Address of Well _____		Reason For Abandonment <u>Site Closure</u>
City, Village _____		Date of Abandonment <u>7/29/08</u>

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) _____

- ☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available?

☐ Yes ☐ No

Construction Type:

- ☐ Drilled ☒ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:

- ☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 12.5 Casing Diameter (ins.) N/A

Casing Depth (ft.) _____

Was Well Annular Space Grouted? ☐ Yes ☒ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet)

- Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable
 Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable
 Screen Removed? ☐ Yes ☐ No ☒ Not Applicable
 Casing Left in Place? ☐ Yes ☐ No N/A
 If No, Explain _____

- Was Casing Cut Off Below Surface? ☐ Yes ☐ No N/A
 Did Sealing Material Rise to Surface? ☒ Yes ☐ No
 Did Material Settle After 24 Hours? ☐ Yes ☒ No
 If Yes, Was Hole Reropped? ☐ Yes ☐ No

(5) Required Method of Placing Sealing Material

- ☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☐ Other (Explain) _____

(6) Sealing Materials

For monitoring wells and monitoring well boreholes only

- ☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite - Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
<u>Bentonite</u>	Surface	<u>15'</u>			

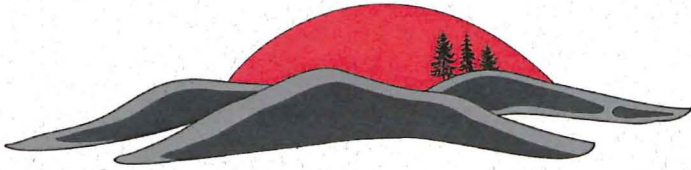
(8) Comments:

(9) Name of Person or Firm Doing Sealing Work

Moraine Environmental
 Signature of Person Doing Work [Signature] Date Signed 8/1/08
 Street or Route 1402 7th Ave Telephone Number (262) 377-9060
 City, State, Zip Code Grafton WI 53024

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected _____	District/County _____
Reviewer/Inspector _____	☐ Complying Work ☐ Noncomplying Work
Follow-up Necessary _____	



Moraine Environmental, Inc.
Environmental Management Services

October 21, 2008

Ms. Nancy Ryan
Remediation and Redevelopment
Plymouth Service Center
1155 Pilgrim Parkway
Plymouth, WI 53073

Subject: Lab Data for Ha's Cleaners, 394 Falls Road, Grafton, WI, ID#246122470,
BRRTS#02-46-552191.

Dear Ms. Ryan,

Enclosed is Lab data for Ha's Cleaners analyzed on September 5, 2008 that you requested. We hope this helps in your for review of the No Action Required Request submitted to you on October 1, 2008.

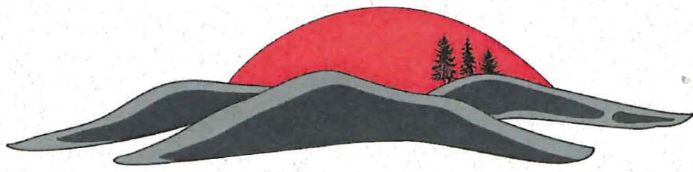
If you have questions or need further clarification please contact me at 262-377-9060.

Sincerely,
MORaine ENVIRONMENTAL, INC.

Barbara Grundl, PG
Senior Project Hydrogeologist

Enclosures

F:\WORD\Mswtch41\4195 Ha's Cleaners lab data submittal.doc



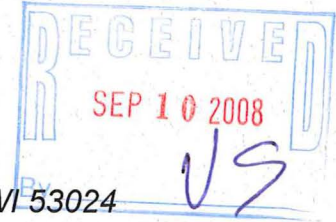
Moraine Environmental, Inc.
Environmental Management Services

8 September, 2008

Project Reference #4195

Ms. Victoria Stovall
WDNR - SED
2300 North Dr. Martin Luther King Jr. Drive
Milwaukee, WI 53212

Re: Notification of Site Activity
Ha's Cleaners, 394 Falls Road, Grafton, WI 53024
BRRTs #02 - 46 - 552191



Dear Vicky:

In accordance with your August 26, 2008 letter, Moraine Environmental, Inc. (Moraine) has been retained by Mr. Kwang Ha, of Ha's Cleaners to conduct an additional investigation to determine if the Ha's Cleaners site can be closed out with "no further action required" or if additional work will be required. Initially very low level tetrachloroethlene (PERC - dry cleaning solvent) at level between the preventative action limit (PAL) and enforcement standard was identified in a temporary well following analysis.

Moraine has installed a WDNR 2" diameter NR 141 groundwater monitoring well to confirm or deny the results. In addition, Moraine collected a shallow interior soil sample 6" below the concrete floor, adjacent to the dry cleaning machine. The analytical results are pending.

Also, would you please correct the spelling of Mr. Ha's first name to Kwang, in your records? No need to send another letter.

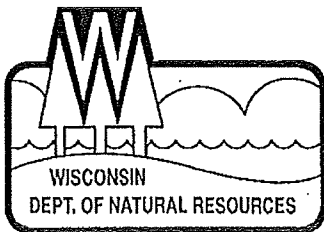
Thank you.

Sincerely,
MORaine ENVIRONMENTAL, INC.

Thomas C. Sweet
President

cc: Kwang Ha
Jin Kim

F:\WORD\Mswteh41\4195 WDNR Notification.doc



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary

101 S. Webster St.
Box 7921
Madison, Wisconsin 53707-7921
Telephone 608-266-1967
FAX 608-267-0496
TTY Access via relay - 711

September 5, 2008

REF: BRRTS # 02-46-552191

Mr. Kwang Ha
Ha's Cleaners
394 Falls Road
Grafton, WI 53024

FID 246122470

Subject: Potential Claim Notification for Ha's Cleaners in Grafton

Dear Mr. Ha,

The purpose of this letter is to acknowledge the receipt of your potential claim notification for the Dry Cleaners Environmental Response Fund (DERF). As required by s. 292.65(4)(d), Wis. Stats., I am advising you that, based on the preliminary information you provided on the Potential Claim Notification form, I estimate that you are eligible to apply to DERF for reimbursement of your cleanup costs.

Due to increasing demand on the DERF for reimbursements, it is likely that reimbursements will be delayed. At this time, we are unable to predict the length of this delay in reimbursement, but audited claims will be reimbursed on a first-come, first-serve basis as funds become available.

Complete information and details of the dry-cleaning program are available on-line at <http://www.dnr.state.wi.us/org/aw/rr/financial/dryclean.html>.

Please keep in close contact with your DNR Project Manager, **John Feeney** at 920-892-8756 x. 3023 in Plymouth throughout the entire clean up and site investigation bidding process. Be sure to communicate with your DNR Project Manager because you will need his approval sign off on the site investigation bid before work gets started, in order to get reimbursed for any work.

Please call me (608)-266-1967 if you have any questions about the program or the reimbursement process. Thank you for participating in this important project.

Sincerely,

Jillian Steffes

Jillian Steffes
Dry-Cleaning-Fund Manager

ecc: John Feeney – DNR – Plymouth

September 12, 2008

Tom Sweet
Moraine Environmental, Inc.
1402 7th Avenue
Grafton, WI 530242330

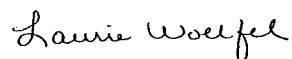
RE: Project: HA'S CLEANERS
Pace Project No.: 408624

Dear Tom Sweet:

Enclosed are the analytical results for sample(s) received by the laboratory on September 05, 2008. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,



Laurie Woelfel

laurie.woelfel@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 16

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CERTIFICATIONS

Project: HA'S CLEANERS
Pace Project No.: 408624

Green Bay Certification IDs

Louisiana Certification #: 04168
Kentucky Certification #: 82
Wisconsin DATCP Certification #: 105-444
Wisconsin Certification #: 405132750
South Carolina Certification #: 83006001
Minnesota Certification #: 055-999-334

North Carolina Certification #: 503
North Dakota Certification #: R-150
New York Certification #: 11888
Illinois Certification #: 200050
Florida (NELAP) Certification #: E87948

Green Bay Volatiles Certification IDs

Louisiana Certification #: 04169
Kentucky Certification #: 83
Wisconsin DATCP Certification #: 105-444
Wisconsin Certification #: 405132750
South Carolina Certification #: 83006001
Minnesota Certification #: 055-999-334

North Carolina Certification #: 503
North Dakota Certification #: R-200
New York Certification #: 11887
Illinois Certification #: 200051
Florida (NELAP) Certification #: E87951

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: HA'S CLEANERS
Pace Project No.: 408624

Lab ID	Sample ID	Matrix	Date Collected	Date Received
408624001	MW1 11-13'	Solid	09/04/08 00:00	09/05/08 13:30
408624002	MW1 18-20'	Solid	09/04/08 00:00	09/05/08 13:30
408624003	B1 6 INCHES	Solid	09/04/08 00:00	09/05/08 13:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: HA'S CLEANERS
Pace Project No.: 408624

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
408624001	MW1 11-13'	ASTM D2974-87	AG	1	PASI-G
		EPA 8260	JJB	64	PASI-G
408624002	MW1 18-20'	ASTM D2974-87	AG	1	PASI-G
		EPA 8260	JJB	64	PASI-G
408624003	B1 6 INCHES	ASTM D2974-87	AG	1	PASI-G
		EPA 8260	JJB	64	PASI-G

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: HA'S CLEANERS

Pace Project No.: 408624

Sample: MW1 11-13' Lab ID: 408624001 Collected: 09/04/08 00:00 Received: 09/05/08 13:30 Matrix: Solid

Results reported on a "dry-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	09/09/08 09:54	09/10/08 10:54	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	75-27-4	W
Bromoform	<25.9	ug/kg	60.0	25.9	1	09/09/08 09:54	09/10/08 10:54	75-25-2	W
Bromomethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	74-83-9	W
n-Butylbenzene	<40.4	ug/kg	60.0	40.4	1	09/09/08 09:54	09/10/08 10:54	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	108-90-7	W
Chloroethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	75-00-3	W
Chloroform	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	106-43-4	W
1,2-Dibromo-3-chloropropane	<82.3	ug/kg	250	82.3	1	09/09/08 09:54	09/10/08 10:54	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	74-95-3	W
1,2-Dichlorobenzene	<44.4	ug/kg	60.0	44.4	1	09/09/08 09:54	09/10/08 10:54	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	100-41-4	W
Hexachloro-1,3-butadiene	<26.4	ug/kg	60.0	26.4	1	09/09/08 09:54	09/10/08 10:54	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	1634-04-4	W
Naphthalene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	100-42-5	W

Date: 09/12/2008 02:18 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: HA'S CLEANERS
Pace Project No.: 408624

Sample: MW1 11-13' Lab ID: 408624001 Collected: 09/04/08 00:00 Received: 09/05/08 13:30 Matrix: Solid

Results reported on a "dry-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	09/09/08 09:54	09/10/08 10:54	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	87-61-6	W
1,2,4-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	75-01-4	W
m&p-Xylene	<25.0	ug/kg	120	25.0	1	09/09/08 09:54	09/10/08 10:54	1330-20-7	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 10:54	95-47-6	W
Dibromofluoromethane (S)	108	%	64-140		1	09/09/08 09:54	09/10/08 10:54	1868-53-7	
Toluene-d8 (S)	107	%	67-139		1	09/09/08 09:54	09/10/08 10:54	2037-26-5	
4-Bromofluorobenzene (S)	105	%	64-133		1	09/09/08 09:54	09/10/08 10:54	460-00-4	

Percent Moisture Analytical Method: ASTM D2974-87

Percent Moisture	11.2	%	0.10	0.10	1	09/06/08 08:09
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ANALYTICAL RESULTS

Project: HA'S CLEANERS
Pace Project No.: 408624

Sample: MW1 18-20' Lab ID: 408624002 Collected: 09/04/08 00:00 Received: 09/05/08 13:30 Matrix: Solid

Results reported on a "dry-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	09/09/08 09:54	09/10/08 11:17	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	75-27-4	W
Bromoform	<25.9	ug/kg	60.0	25.9	1	09/09/08 09:54	09/10/08 11:17	75-25-2	W
Bromomethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	74-83-9	W
n-Butylbenzene	<40.4	ug/kg	60.0	40.4	1	09/09/08 09:54	09/10/08 11:17	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	108-90-7	W
Chloroethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	75-00-3	W
Chloroform	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	106-43-4	W
1,2-Dibromo-3-chloropropane	<82.3	ug/kg	250	82.3	1	09/09/08 09:54	09/10/08 11:17	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	74-95-3	W
1,2-Dichlorobenzene	<44.4	ug/kg	60.0	44.4	1	09/09/08 09:54	09/10/08 11:17	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	100-41-4	W
Hexachloro-1,3-butadiene	<26.4	ug/kg	60.0	26.4	1	09/09/08 09:54	09/10/08 11:17	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	1634-04-4	W
Naphthalene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	100-42-5	W

Date: 09/12/2008 02:18 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: HA'S CLEANERS
Pace Project No.: 408624

Sample: MW1 18-20' Lab ID: 408624002 Collected: 09/04/08 00:00 Received: 09/05/08 13:30 Matrix: Solid

Results reported on a "dry-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	09/09/08 09:54	09/10/08 11:17	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	87-61-6	W
1,2,4-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	75-01-4	W
m&p-Xylene	<25.0	ug/kg	120	25.0	1	09/09/08 09:54	09/10/08 11:17	1330-20-7	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:17	95-47-6	W
Dibromofluoromethane (S)	105	%	64-140		1	09/09/08 09:54	09/10/08 11:17	1868-53-7	
Toluene-d8 (S)	103	%	67-139		1	09/09/08 09:54	09/10/08 11:17	2037-26-5	
4-Bromofluorobenzene (S)	101	%	64-133		1	09/09/08 09:54	09/10/08 11:17	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	9.0	%	0.10	0.10	1		09/06/08 08:09		

ANALYTICAL RESULTS

Project: HA'S CLEANERS
Pace Project No.: 408624

Sample: **B1 6 INCHES** Lab ID: **408624003** Collected: 09/04/08 00:00 Received: 09/05/08 13:30 Matrix: Solid

Results reported on a "dry-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	09/09/08 09:54	09/10/08 11:40	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	75-27-4	W
Bromoform	<25.9	ug/kg	60.0	25.9	1	09/09/08 09:54	09/10/08 11:40	75-25-2	W
Bromomethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	74-83-9	W
n-Butylbenzene	<40.4	ug/kg	60.0	40.4	1	09/09/08 09:54	09/10/08 11:40	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	108-90-7	W
Chloroethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	75-00-3	W
Chloroform	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	106-43-4	W
1,2-Dibromo-3-chloropropane	<82.3	ug/kg	250	82.3	1	09/09/08 09:54	09/10/08 11:40	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	74-95-3	W
1,2-Dichlorobenzene	<44.4	ug/kg	60.0	44.4	1	09/09/08 09:54	09/10/08 11:40	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	100-41-4	W
Hexachloro-1,3-butadiene	<26.4	ug/kg	60.0	26.4	1	09/09/08 09:54	09/10/08 11:40	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	1634-04-4	W
Naphthalene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	100-42-5	W

ANALYTICAL RESULTS

Project: HA'S CLEANERS
Pace Project No.: 408624

Sample: B1 6 INCHES Lab ID: 408624003 Collected: 09/04/08 00:00 Received: 09/05/08 13:30 Matrix: Solid

Results reported on a "dry-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	09/09/08 09:54	09/10/08 11:40	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	87-61-6	W
1,2,4-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	75-01-4	W
m&p-Xylene	<25.0	ug/kg	120	25.0	1	09/09/08 09:54	09/10/08 11:40	1330-20-7	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/09/08 09:54	09/10/08 11:40	95-47-6	W
Dibromofluoromethane (S)	105	%	64-140		1	09/09/08 09:54	09/10/08 11:40	1868-53-7	
Toluene-d8 (S)	105	%	67-139		1	09/09/08 09:54	09/10/08 11:40	2037-26-5	
4-Bromofluorobenzene (S)	101	%	64-133		1	09/09/08 09:54	09/10/08 11:40	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	6.0	%	0.10	0.10	1		09/06/08 08:10		

QUALITY CONTROL DATA

Project: HA'S CLEANERS
Pace Project No.: 408624

QC Batch: PMST/1794 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 408624001, 408624002, 408624003

SAMPLE DUPLICATE: 73441

Parameter	Units	408568001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.6	5.6	.2	10	

QUALITY CONTROL DATA

Project: HA'S CLEANERS
Pace Project No.: 408624

QC Batch: MSV/2545 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 408624001, 408624002, 408624003

METHOD BLANK: 74051 Matrix: Solid
Associated Lab Samples: 408624001, 408624002, 408624003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<25.0	60.0	09/10/08 08:34	
1,1,1-Trichloroethane	ug/kg	<25.0	60.0	09/10/08 08:34	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	60.0	09/10/08 08:34	
1,1,2-Trichloroethane	ug/kg	<25.0	60.0	09/10/08 08:34	
1,1-Dichloroethane	ug/kg	<25.0	60.0	09/10/08 08:34	
1,1-Dichloroethene	ug/kg	<25.0	60.0	09/10/08 08:34	
1,1-Dichloropropene	ug/kg	<25.0	60.0	09/10/08 08:34	
1,2,3-Trichlorobenzene	ug/kg	<25.0	60.0	09/10/08 08:34	
1,2,3-Trichloropropane	ug/kg	<25.0	60.0	09/10/08 08:34	
1,2,4-Trichlorobenzene	ug/kg	<25.0	60.0	09/10/08 08:34	
1,2,4-Trimethylbenzene	ug/kg	<25.0	60.0	09/10/08 08:34	
1,2-Dibromo-3-chloropropane	ug/kg	<82.3	250	09/10/08 08:34	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	60.0	09/10/08 08:34	
1,2-Dichlorobenzene	ug/kg	<44.4	60.0	09/10/08 08:34	
1,2-Dichloroethane	ug/kg	<25.0	60.0	09/10/08 08:34	
1,2-Dichloropropane	ug/kg	<25.0	60.0	09/10/08 08:34	
1,3,5-Trimethylbenzene	ug/kg	<25.0	60.0	09/10/08 08:34	
1,3-Dichlorobenzene	ug/kg	<25.0	60.0	09/10/08 08:34	
1,3-Dichloropropane	ug/kg	<25.0	60.0	09/10/08 08:34	
1,4-Dichlorobenzene	ug/kg	<25.0	60.0	09/10/08 08:34	
2,2-Dichloropropane	ug/kg	<25.0	60.0	09/10/08 08:34	
2-Chlorotoluene	ug/kg	<25.0	60.0	09/10/08 08:34	
4-Chlorotoluene	ug/kg	<25.0	60.0	09/10/08 08:34	
Benzene	ug/kg	<25.0	60.0	09/10/08 08:34	
Bromobenzene	ug/kg	<25.0	60.0	09/10/08 08:34	
Bromochloromethane	ug/kg	<25.0	60.0	09/10/08 08:34	
Bromodichloromethane	ug/kg	<25.0	60.0	09/10/08 08:34	
Bromoform	ug/kg	<25.9	60.0	09/10/08 08:34	
Bromomethane	ug/kg	<25.0	60.0	09/10/08 08:34	
Carbon tetrachloride	ug/kg	<25.0	60.0	09/10/08 08:34	
Chlorobenzene	ug/kg	<25.0	60.0	09/10/08 08:34	
Chloroethane	ug/kg	<25.0	60.0	09/10/08 08:34	
Chloroform	ug/kg	<25.0	60.0	09/10/08 08:34	
Chloromethane	ug/kg	<25.0	60.0	09/10/08 08:34	
cis-1,2-Dichloroethene	ug/kg	<25.0	60.0	09/10/08 08:34	
cis-1,3-Dichloropropene	ug/kg	<25.0	60.0	09/10/08 08:34	
Dibromochloromethane	ug/kg	<25.0	60.0	09/10/08 08:34	
Dibromomethane	ug/kg	<25.0	60.0	09/10/08 08:34	
Dichlorodifluoromethane	ug/kg	<25.0	60.0	09/10/08 08:34	
Diisopropyl ether	ug/kg	<25.0	60.0	09/10/08 08:34	
Ethylbenzene	ug/kg	<25.0	60.0	09/10/08 08:34	
Hexachloro-1,3-butadiene	ug/kg	<26.4	60.0	09/10/08 08:34	
Isopropylbenzene (Cumene)	ug/kg	<25.0	60.0	09/10/08 08:34	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: HA'S CLEANERS
Pace Project No.: 408624

METHOD BLANK: 74051 Matrix: Solid

Associated Lab Samples: 408624001, 408624002, 408624003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/kg	<25.0	120	09/10/08 08:34	
Methyl-tert-butyl ether	ug/kg	<25.0	60.0	09/10/08 08:34	
Methylene Chloride	ug/kg	<25.0	60.0	09/10/08 08:34	
n-Butylbenzene	ug/kg	<40.4	60.0	09/10/08 08:34	
n-Propylbenzene	ug/kg	<25.0	60.0	09/10/08 08:34	
Naphthalene	ug/kg	<25.0	60.0	09/10/08 08:34	
o-Xylene	ug/kg	<25.0	60.0	09/10/08 08:34	
p-Isopropyltoluene	ug/kg	<25.0	60.0	09/10/08 08:34	
sec-Butylbenzene	ug/kg	<25.0	60.0	09/10/08 08:34	
Styrene	ug/kg	<25.0	60.0	09/10/08 08:34	
tert-Butylbenzene	ug/kg	<25.0	60.0	09/10/08 08:34	
Tetrachloroethene	ug/kg	<25.0	60.0	09/10/08 08:34	
Toluene	ug/kg	<25.0	60.0	09/10/08 08:34	
trans-1,2-Dichloroethene	ug/kg	<25.0	60.0	09/10/08 08:34	
trans-1,3-Dichloropropene	ug/kg	<25.0	60.0	09/10/08 08:34	
Trichloroethene	ug/kg	<25.0	60.0	09/10/08 08:34	
Trichlorofluoromethane	ug/kg	<25.0	60.0	09/10/08 08:34	
Vinyl chloride	ug/kg	<25.0	60.0	09/10/08 08:34	
4-Bromofluorobenzene (S)	%	99	64-133	09/10/08 08:34	
Dibromofluoromethane (S)	%	102	64-140	09/10/08 08:34	
Toluene-d8 (S)	%	101	67-139	09/10/08 08:34	

LABORATORY CONTROL SAMPLE & LCSD: 74052 74053

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	2340	2310	94	92	75-125	1	20	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2630	2370	105	95	75-125	10	20	
1,1,2-Trichloroethane	ug/kg	2500	2640	2580	106	103	75-125	2	20	
1,1-Dichloroethane	ug/kg	2500	2500	2460	100	98	75-125	2	20	
1,1-Dichloroethene	ug/kg	2500	2610	2550	105	102	54-149	2	20	
1,2-Dichloroethane	ug/kg	2500	2560	2480	102	99	75-125	3	20	
1,2-Dichloropropane	ug/kg	2500	2560	2470	103	99	75-125	4	20	
Benzene	ug/kg	2500	2410	2340	96	94	75-125	3	20	
Bromodichloromethane	ug/kg	2500	2260	2220	90	89	75-125	2	20	
Bromoform	ug/kg	2500	2160	2150	87	86	72-125	.8	20	
Bromomethane	ug/kg	2500	2230	2210	89	88	40-159	.9	20	
Carbon tetrachloride	ug/kg	2500	2290	2260	91	90	75-125	1	20	
Chlorobenzene	ug/kg	2500	2580	2500	103	100	75-125	3	20	
Chloroethane	ug/kg	2500	2690	2600	108	104	40-179	4	20	
Chloroform	ug/kg	2500	2430	2370	97	95	75-125	2	20	
Chloromethane	ug/kg	2500	2160	2090	86	84	42-125	3	20	
cis-1,2-Dichloroethene	ug/kg	2500	2510	2440	100	98	75-125	3	20	
cis-1,3-Dichloropropene	ug/kg	2500	2380	2310	95	92	75-125	3	20	
Dibromochloromethane	ug/kg	2500	2290	2280	91	91	75-125	.4	20	
Ethylbenzene	ug/kg	2500	2460	2390	98	96	75-125	3	20	

Date: 09/12/2008 02:18 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: HA'S CLEANERS
Pace Project No.: 408624

LABORATORY CONTROL SAMPLE & LCSD: 74052			74053							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
m&p-Xylene	ug/kg	5000	5060	4940	101	99	75-127	2	20	
Methylene Chloride	ug/kg	2500	2630	2600	105	104	58-144	1	20	
o-Xylene	ug/kg	2500	2470	2430	99	97	75-125	2	20	
Styrene	ug/kg	2500	2380	2350	95	94	75-130	1	20	
Tetrachloroethene	ug/kg	2500	2560	2450	102	98	75-125	4	20	
Toluene	ug/kg	2500	2430	2390	97	96	75-125	2	20	
trans-1,2-Dichloroethene	ug/kg	2500	2330	2290	93	92	75-125	2	20	
trans-1,3-Dichloropropene	ug/kg	2500	2270	2240	91	90	75-125	1	20	
Trichloroethene	ug/kg	2500	2580	2480	103	99	75-125	4	20	
Vinyl chloride	ug/kg	2500	2220	2140	89	86	49-125	3	20	
4-Bromofluorobenzene (S)	%				102	98	64-133			
Dibromofluoromethane (S)	%				105	103	64-140			
Toluene-d8 (S)	%				102	100	67-139			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 74054			74055									
Parameter	Units	408632005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	<25.0	2580	2580	2330	2290	90	89	50-150	2	50	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	2580	2580	2220	2180	86	84	50-150	2	50	
1,1,2-Trichloroethane	ug/kg	<25.0	2580	2580	2470	2380	96	92	50-150	4	50	
1,1-Dichloroethane	ug/kg	<25.0	2580	2580	2360	2440	92	94	50-150	3	50	
1,1-Dichloroethene	ug/kg	<25.0	2580	2580	2550	2460	99	96	40-120	3	50	
1,2-Dichloroethane	ug/kg	<25.0	2580	2580	2410	2370	93	92	50-150	1	50	
1,2-Dichloropropane	ug/kg	<25.0	2580	2580	2460	2440	95	95	50-150	.5	50	
Benzene	ug/kg	<25.0	2580	2580	2330	2310	90	90	50-150	.7	50	
Bromodichloromethane	ug/kg	<25.0	2580	2580	2170	2160	84	84	50-150	.3	50	
Bromoform	ug/kg	<25.9	2580	2580	2030	1970	79	76	50-150	3	50	
Bromomethane	ug/kg	<25.0	2580	2580	2190	2160	85	84	40-120	1	50	
Carbon tetrachloride	ug/kg	<25.0	2580	2580	2310	2290	89	89	50-150	.8	50	
Chlorobenzene	ug/kg	<25.0	2580	2580	2470	2460	96	96	50-150	.2	50	
Chloroethane	ug/kg	<25.0	2580	2580	2680	2420	104	94	50-150	10	50	
Chloroform	ug/kg	<25.0	2580	2580	2350	2360	91	91	50-150	.2	50	
Chloromethane	ug/kg	<25.0	2580	2580	2060	2050	80	79	40-120	.8	50	
cis-1,2-Dichloroethene	ug/kg	<25.0	2580	2580	2430	2430	94	94	50-150	.3	50	
cis-1,3-Dichloropropene	ug/kg	<25.0	2580	2580	2250	2240	87	87	50-150	.4	50	
Dibromochloromethane	ug/kg	<25.0	2580	2580	2200	2150	85	83	50-150	2	50	
Ethylbenzene	ug/kg	<25.0	2580	2580	2350	2350	91	91	50-150	.03	50	
m&p-Xylene	ug/kg	<25.0	5160	5160	4850	4850	94	94	50-150	.1	50	
Methylene Chloride	ug/kg	<25.0	2580	2580	2550	2550	99	99	40-120	.2	50	
o-Xylene	ug/kg	<25.0	2580	2580	2380	2370	92	92	50-150	.6	50	
Styrene	ug/kg	<25.0	2580	2580	2290	2270	89	88	50-150	.6	50	
Tetrachloroethene	ug/kg	<25.0	2580	2580	2480	2460	96	95	50-150	1	50	
Toluene	ug/kg	<25.0	2580	2580	2350	2360	91	91	50-150	.07	50	
trans-1,2-Dichloroethene	ug/kg	<25.0	2580	2580	2310	2210	90	86	50-150	4	50	
trans-1,3-Dichloropropene	ug/kg	<25.0	2580	2580	2140	2130	83	83	50-150	.3	50	
Trichloroethene	ug/kg	<25.0	2580	2580	2450	2470	95	96	50-150	.6	50	

Date: 09/12/2008 02:18 PM

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QUALITY CONTROL DATA

Project: HA'S CLEANERS

Pace Project No.: 408624

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 74054 74055												
Parameter	Units	408632005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
Vinyl chloride	ug/kg	<25.0	2580	2580	2090	2070	81	80	40-120	.7	50	
4-Bromofluorobenzene (S)	%						97	95	64-133			
Dibromofluoromethane (S)	%						101	100	64-140			
Toluene-d8 (S)	%						100	99	67-139			

QUALIFIERS

Project: HA'S CLEANERS
Pace Project No.: 408624

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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.

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

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

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



Sample Condition Upon Receipt

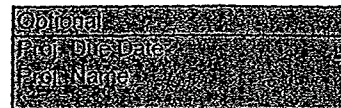
Client Name: Moraine Env.

Project # 408624

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace Other _____

Tracking #: _____

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



Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

Thermometer Used N/A Type of Ice: Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 20.5 Biological Tissue Is Frozen: Yes No

Date and Initials of person examining contents: 9/6/08 KC

Temp should be above freezing to 6°C

Comments:

Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	1.
Chain of Custody Filled Out:	☒ Yes ☐ No ☐ N/A	2.
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	3.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time:	☒ Yes ☐ No ☐ N/A	5.
Short Hold Time Analysis (<72hr):	☐ Yes ☒ No ☐ N/A	6.
Rush Turn Around Time Requested:	☐ Yes ☒ No ☐ N/A	7.
Sufficient Volume:	☒ Yes ☐ No ☐ N/A	8.
Correct Containers Used:	☒ Yes ☐ No ☐ N/A	9.
-Pace Containers Used: _____	☒ Yes ☐ No ☐ N/A	
Containers Intact:	☒ Yes ☐ No ☐ N/A	10.
Filtered volume received for Dissolved tests	☐ Yes ☐ No ☒ N/A	11.
Sample Labels match COC:	☒ Yes ☐ No ☐ N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>S</u>		
All containers needing preservation have been checked.	☐ Yes ☐ No ☒ N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐ Yes ☐ No ☒ N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐ Yes ☐ No	Initial when completed
		Lot # of added preservative
Samples checked for dechlorination:	☐ Yes ☐ No ☒ N/A	14.
Headspace in VOA Vials (>6mm):	☐ Yes ☐ No ☒ N/A	15.
Trip Blank Present:	☐ Yes ☐ No ☒ N/A	16.
Trip Blank Custody Seals Present	☐ Yes ☐ No ☒ N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: W

Date: 9/8/08

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

September 24, 2008

Tom Sweet
Moraine Environmental, Inc.
1402 7th Avenue
Grafton, WI 530242330

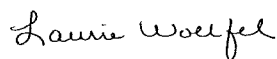
RE: Project: 4195 HA'S CLEANERS
Pace Project No.: 409098

Dear Tom Sweet:

Enclosed are the analytical results for sample(s) received by the laboratory on September 17, 2008. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAP standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,



Laurie Woelfel

laurie.woelfel@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 4195 HA'S CLEANERS
Pace Project No.: 409098

Green Bay Certification IDs

Louisiana Certification #: 04168
Kentucky Certification #: 82
Wisconsin DATCP Certification #: 105-444
Wisconsin Certification #: 405132750
South Carolina Certification #: 83006001
Minnesota Certification #: 055-999-334

North Carolina Certification #: 503
North Dakota Certification #: R-150
New York Certification #: 11888
Illinois Certification #: 200050
Florida (NELAP) Certification #: E87948

Green Bay Volatiles Certification IDs

Louisiana Certification #: 04169
Kentucky Certification #: 83
Wisconsin DATCP Certification #: 105-444
Wisconsin Certification #: 405132750
South Carolina Certification #: 83006001
Minnesota Certification #: 055-999-334

North Carolina Certification #: 503
North Dakota Certification #: R-200
New York Certification #: 11887
Illinois Certification #: 200051
Florida (NELAP) Certification #: E87951

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 4195 HA'S CLEANERS
Pace Project No.: 409098

Lab ID	Sample ID	Matrix	Date Collected	Date Received
409098001	MW1	Water	09/16/08 00:00	09/17/08 14:30

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SAMPLE ANALYTE COUNT

Project: 4195 HA'S CLEANERS
Pace Project No.: 409098

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
409098001	MW1	EPA 8260	SMT	64	PASI-G

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ANALYTICAL RESULTS

Project: 4195 HA'S CLEANERS

Pace Project No.: 409098

Sample: MW1		Lab ID: 409098001	Collected: 09/16/08 00:00		Received: 09/17/08 14:30		Matrix: Water		
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.41	ug/L	1.0	0.41	1		09/22/08 16:40	71-43-2	
Bromobenzene	<0.82	ug/L	1.0	0.82	1		09/22/08 16:40	108-86-1	
Bromochloromethane	<0.97	ug/L	1.0	0.97	1		09/22/08 16:40	74-97-5	
Bromodichloromethane	<0.56	ug/L	1.9	0.56	1		09/22/08 16:40	75-27-4	
Bromoform	<0.94	ug/L	3.1	0.94	1		09/22/08 16:40	75-25-2	
Bromomethane	<0.91	ug/L	3.0	0.91	1		09/22/08 16:40	74-83-9	
n-Butylbenzene	<0.93	ug/L	1.0	0.93	1		09/22/08 16:40	104-51-8	
sec-Butylbenzene	<0.89	ug/L	1.0	0.89	1		09/22/08 16:40	135-98-8	
tert-Butylbenzene	<0.97	ug/L	1.0	0.97	1		09/22/08 16:40	98-06-6	
Carbon tetrachloride	<0.49	ug/L	1.0	0.49	1		09/22/08 16:40	56-23-5	
Chlorobenzene	<0.41	ug/L	1.0	0.41	1		09/22/08 16:40	108-90-7	
Chloroethane	<0.97	ug/L	1.0	0.97	1		09/22/08 16:40	75-00-3	
Chloroform	<1.3	ug/L	4.3	1.3	1		09/22/08 16:40	67-66-3	
Chloromethane	<0.24	ug/L	0.80	0.24	1		09/22/08 16:40	74-87-3	
2-Chlorotoluene	<0.85	ug/L	1.0	0.85	1		09/22/08 16:40	95-49-8	
4-Chlorotoluene	<0.74	ug/L	1.0	0.74	1		09/22/08 16:40	106-43-4	
1,2-Dibromo-3-chloropropane	<1.7	ug/L	5.6	1.7	1		09/22/08 16:40	96-12-8	
Dibromochloromethane	<0.81	ug/L	1.0	0.81	1		09/22/08 16:40	124-48-1	
1,2-Dibromoethane (EDB)	<0.56	ug/L	1.9	0.56	1		09/22/08 16:40	106-93-4	
Dibromomethane	<0.60	ug/L	1.0	0.60	1		09/22/08 16:40	74-95-3	
1,2-Dichlorobenzene	<0.83	ug/L	1.0	0.83	1		09/22/08 16:40	95-50-1	
1,3-Dichlorobenzene	<0.87	ug/L	1.0	0.87	1		09/22/08 16:40	541-73-1	
1,4-Dichlorobenzene	<0.95	ug/L	1.0	0.95	1		09/22/08 16:40	106-46-7	
Dichlorodifluoromethane	<0.99	ug/L	1.0	0.99	1		09/22/08 16:40	75-71-8	
1,1-Dichloroethane	<0.75	ug/L	1.0	0.75	1		09/22/08 16:40	75-34-3	
1,2-Dichloroethane	<0.36	ug/L	1.0	0.36	1		09/22/08 16:40	107-06-2	
1,1-Dichloroethene	<0.57	ug/L	1.0	0.57	1		09/22/08 16:40	75-35-4	
cis-1,2-Dichloroethene	<0.83	ug/L	1.0	0.83	1		09/22/08 16:40	156-59-2	
trans-1,2-Dichloroethene	<0.89	ug/L	1.0	0.89	1		09/22/08 16:40	156-60-5	
1,2-Dichloropropane	<0.49	ug/L	1.0	0.49	1		09/22/08 16:40	78-87-5	
1,3-Dichloropropane	<0.61	ug/L	2.0	0.61	1		09/22/08 16:40	142-28-9	
2,2-Dichloropropane	<0.62	ug/L	1.0	0.62	1		09/22/08 16:40	594-20-7	
1,1-Dichloropropene	<0.75	ug/L	1.0	0.75	1		09/22/08 16:40	563-58-6	
cis-1,3-Dichloropropene	<0.20	ug/L	0.67	0.20	1		09/22/08 16:40	10061-01-5	
trans-1,3-Dichloropropene	<0.19	ug/L	0.63	0.19	1		09/22/08 16:40	10061-02-6	
Diisopropyl ether	<0.76	ug/L	1.0	0.76	1		09/22/08 16:40	108-20-3	
Ethylbenzene	<0.54	ug/L	1.0	0.54	1		09/22/08 16:40	100-41-4	
Hexachloro-1,3-butadiene	<0.67	ug/L	5.0	0.67	1		09/22/08 16:40	87-68-3	
Isopropylbenzene (Cumene)	<0.59	ug/L	1.0	0.59	1		09/22/08 16:40	98-82-8	
p-Isopropyltoluene	<0.67	ug/L	1.0	0.67	1		09/22/08 16:40	99-87-6	
Methylene Chloride	<0.43	ug/L	1.4	0.43	1		09/22/08 16:40	75-09-2	
Methyl-tert-butyl ether	<0.61	ug/L	2.0	0.61	1		09/22/08 16:40	1634-04-4	
Naphthalene	<0.89	ug/L	5.0	0.89	1		09/22/08 16:40	91-20-3	
n-Propylbenzene	<0.81	ug/L	1.0	0.81	1		09/22/08 16:40	103-65-1	
Styrene	<0.86	ug/L	1.0	0.86	1		09/22/08 16:40	100-42-5	
1,1,1,2-Tetrachloroethane	<0.92	ug/L	1.0	0.92	1		09/22/08 16:40	630-20-6	

Date: 09/24/2008 03:50 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 4195 HA'S CLEANERS

Pace Project No.: 409098

Sample: MW1 Lab ID: 409098001 Collected: 09/16/08 00:00 Received: 09/17/08 14:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,2,2-Tetrachloroethane	<0.20 ug/L		0.67	0.20	1		09/22/08 16:40	79-34-5	
Tetrachloroethene	<0.45 ug/L		1.0	0.45	1		09/22/08 16:40	127-18-4	
Toluene	<0.67 ug/L		1.0	0.67	1		09/22/08 16:40	108-88-3	
1,2,3-Trichlorobenzene	<0.74 ug/L		1.0	0.74	1		09/22/08 16:40	87-61-6	
1,2,4-Trichlorobenzene	<0.97 ug/L		1.0	0.97	1		09/22/08 16:40	120-82-1	
1,1,1-Trichloroethane	<0.90 ug/L		1.0	0.90	1		09/22/08 16:40	71-55-6	
1,1,2-Trichloroethane	<0.42 ug/L		1.4	0.42	1		09/22/08 16:40	79-00-5	
Trichloroethene	<0.48 ug/L		1.0	0.48	1		09/22/08 16:40	79-01-6	
Trichlorofluoromethane	<0.79 ug/L		1.0	0.79	1		09/22/08 16:40	75-69-4	
1,2,3-Trichloropropane	<0.99 ug/L		1.0	0.99	1		09/22/08 16:40	96-18-4	
1,2,4-Trimethylbenzene	<0.97 ug/L		1.0	0.97	1		09/22/08 16:40	95-63-6	
1,3,5-Trimethylbenzene	<0.83 ug/L		1.0	0.83	1		09/22/08 16:40	108-67-8	
Vinyl chloride	<0.18 ug/L		0.60	0.18	1		09/22/08 16:40	75-01-4	
m&p-Xylene	<1.8 ug/L		2.0	1.8	1		09/22/08 16:40	1330-20-7	
o-Xylene	<0.83 ug/L		1.0	0.83	1		09/22/08 16:40	95-47-6	
4-Bromofluorobenzene (S)	98 %		64-132		1		09/22/08 16:40	460-00-4	
Dibromofluoromethane (S)	106 %		68-122		1		09/22/08 16:40	1868-53-7	
Toluene-d8 (S)	103 %		73-127		1		09/22/08 16:40	2037-26-5	

QUALITY CONTROL DATA

Project: 4195 HA'S CLEANERS
Pace Project No.: 409098

QC Batch:	MSV/2623	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
Associated Lab Samples:	409098001		

METHOD BLANK: 77928 Matrix: Water
Associated Lab Samples: 409098001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.92	1.0	09/22/08 06:24	
1,1,1-Trichloroethane	ug/L	<0.90	1.0	09/22/08 06:24	
1,1,2,2-Tetrachloroethane	ug/L	<0.20	0.67	09/22/08 06:24	
1,1,2-Trichloroethane	ug/L	<0.42	1.4	09/22/08 06:24	
1,1-Dichloroethane	ug/L	<0.75	1.0	09/22/08 06:24	
1,1-Dichloroethene	ug/L	<0.57	1.0	09/22/08 06:24	
1,1-Dichloropropene	ug/L	<0.75	1.0	09/22/08 06:24	
1,2,3-Trichlorobenzene	ug/L	<0.74	1.0	09/22/08 06:24	
1,2,3-Trichloropropane	ug/L	<0.99	1.0	09/22/08 06:24	
1,2,4-Trichlorobenzene	ug/L	<0.97	1.0	09/22/08 06:24	
1,2,4-Trimethylbenzene	ug/L	<0.97	1.0	09/22/08 06:24	
1,2-Dibromo-3-chloropropane	ug/L	<1.7	5.6	09/22/08 06:24	
1,2-Dibromoethane (EDB)	ug/L	<0.56	1.9	09/22/08 06:24	
1,2-Dichlorobenzene	ug/L	<0.83	1.0	09/22/08 06:24	
1,2-Dichloroethane	ug/L	<0.36	1.0	09/22/08 06:24	
1,2-Dichloropropane	ug/L	<0.49	1.0	09/22/08 06:24	
1,3,5-Trimethylbenzene	ug/L	<0.83	1.0	09/22/08 06:24	
1,3-Dichlorobenzene	ug/L	<0.87	1.0	09/22/08 06:24	
1,3-Dichloropropane	ug/L	<0.61	2.0	09/22/08 06:24	
1,4-Dichlorobenzene	ug/L	<0.95	1.0	09/22/08 06:24	
2,2-Dichloropropane	ug/L	<0.62	1.0	09/22/08 06:24	
2-Chlorotoluene	ug/L	<0.85	1.0	09/22/08 06:24	
4-Chlorotoluene	ug/L	<0.74	1.0	09/22/08 06:24	
Benzene	ug/L	<0.41	1.0	09/22/08 06:24	
Bromobenzene	ug/L	<0.82	1.0	09/22/08 06:24	
Bromochloromethane	ug/L	<0.97	1.0	09/22/08 06:24	
Bromodichloromethane	ug/L	<0.56	1.9	09/22/08 06:24	
Bromoform	ug/L	<0.94	3.1	09/22/08 06:24	
Bromomethane	ug/L	<0.91	3.0	09/22/08 06:24	
Carbon tetrachloride	ug/L	<0.49	1.0	09/22/08 06:24	
Chlorobenzene	ug/L	<0.41	1.0	09/22/08 06:24	
Chloroethane	ug/L	<0.97	1.0	09/22/08 06:24	
Chloroform	ug/L	<1.3	4.3	09/22/08 06:24	
Chloromethane	ug/L	<0.24	0.80	09/22/08 06:24	
cis-1,2-Dichloroethene	ug/L	<0.83	1.0	09/22/08 06:24	
cis-1,3-Dichloropropene	ug/L	<0.20	0.67	09/22/08 06:24	
Dibromochloromethane	ug/L	<0.81	1.0	09/22/08 06:24	
Dibromomethane	ug/L	<0.60	1.0	09/22/08 06:24	
Dichlorodifluoromethane	ug/L	<0.99	1.0	09/22/08 06:24	
Diisopropyl ether	ug/L	<0.76	1.0	09/22/08 06:24	
Ethylbenzene	ug/L	<0.54	1.0	09/22/08 06:24	
Hexachloro-1,3-butadiene	ug/L	<0.67	5.0	09/22/08 06:24	
Isopropylbenzene (Cumene)	ug/L	<0.59	1.0	09/22/08 06:24	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 4195 HA'S CLEANERS

Pace Project No.: 409098

METHOD BLANK: 77928

Matrix: Water

Associated Lab Samples: 409098001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/L	<1.8	2.0	09/22/08 06:24	
Methyl-tert-butyl ether	ug/L	<0.61	2.0	09/22/08 06:24	
Methylene Chloride	ug/L	<0.43	1.4	09/22/08 06:24	
n-Butylbenzene	ug/L	<0.93	1.0	09/22/08 06:24	
n-Propylbenzene	ug/L	<0.81	1.0	09/22/08 06:24	
Naphthalene	ug/L	<0.89	5.0	09/22/08 06:24	
o-Xylene	ug/L	<0.83	1.0	09/22/08 06:24	
p-Isopropyltoluene	ug/L	<0.67	1.0	09/22/08 06:24	
sec-Butylbenzene	ug/L	<0.89	1.0	09/22/08 06:24	
Styrene	ug/L	<0.86	1.0	09/22/08 06:24	
tert-Butylbenzene	ug/L	<0.97	1.0	09/22/08 06:24	
Tetrachloroethene	ug/L	<0.45	1.0	09/22/08 06:24	
Toluene	ug/L	<0.67	1.0	09/22/08 06:24	
trans-1,2-Dichloroethene	ug/L	<0.89	1.0	09/22/08 06:24	
trans-1,3-Dichloropropene	ug/L	<0.19	0.63	09/22/08 06:24	
Trichloroethene	ug/L	<0.48	1.0	09/22/08 06:24	
Trichlorofluoromethane	ug/L	<0.79	1.0	09/22/08 06:24	
Vinyl chloride	ug/L	<0.18	0.60	09/22/08 06:24	
4-Bromofluorobenzene (S)	%	98	64-132	09/22/08 06:24	
Dibromofluoromethane (S)	%	102	68-122	09/22/08 06:24	
Toluene-d8 (S)	%	102	73-127	09/22/08 06:24	

LABORATORY CONTROL SAMPLE & LCSD: 77929

77930

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.7	51.2	103	102	75-128	1	20	
1,1,2,2-Tetrachloroethane	ug/L	50	46.3	45.5	93	91	67-125	2	20	
1,1,2-Trichloroethane	ug/L	50	52.2	51.5	104	103	75-125	1	20	
1,1-Dichloroethane	ug/L	50	52.8	52.1	106	104	71-130	1	20	
1,1-Dichloroethene	ug/L	50	55.0	54.7	110	109	75-125	.4	20	
1,2-Dichloroethane	ug/L	50	50.0	48.4	100	97	71-132	3	20	
1,2-Dichloropropane	ug/L	50	54.0	53.5	108	107	73-125	.9	20	
Benzene	ug/L	50	54.9	53.5	110	107	75-125	3	20	
Bromodichloromethane	ug/L	50	47.1	47.0	94	94	75-125	.4	20	
Bromoform	ug/L	50	45.9	45.7	92	91	75-125	.4	20	
Bromomethane	ug/L	50	42.9	41.6	86	83	66-125	3	20	
Carbon tetrachloride	ug/L	50	51.0	51.8	102	104	75-125	2	20	
Chlorobenzene	ug/L	50	51.8	51.7	104	103	75-125	.02	20	
Chloroethane	ug/L	50	48.4	47.9	97	96	72-126	1	20	
Chloroform	ug/L	50	52.1	51.1	104	102	75-125	2	20	
Chloromethane	ug/L	50	45.9	44.8	92	90	46-143	2	20	
cis-1,2-Dichloroethene	ug/L	50	53.7	53.0	107	106	75-125	1	20	
cis-1,3-Dichloropropene	ug/L	50	50.2	49.9	100	100	75-125	.5	20	
Dibromochloromethane	ug/L	50	45.7	46.0	91	92	75-125	.6	20	
Ethylbenzene	ug/L	50	51.1	51.1	102	102	75-125	.07	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 4195 HA'S CLEANERS

Pace Project No.: 409098

LABORATORY CONTROL SAMPLE & LCSD: 77929			77930							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	% Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
m&p-Xylene	ug/L	100	98.4	99.2	98	99	75-125	.9	20	
Methylene Chloride	ug/L	50	54.6	53.2	109	106	75-125	3	20	
o-Xylene	ug/L	50	50.8	51.2	102	102	75-125	.8	20	
Styrene	ug/L	50	47.7	48.1	95	96	75-125	.8	20	
Tetrachloroethene	ug/L	50	47.0	47.0	94	94	75-130	.03	20	
Toluene	ug/L	50	50.5	50.7	101	101	75-125	.4	20	
trans-1,2-Dichloroethene	ug/L	50	51.1	51.1	102	102	75-125	.03	20	
trans-1,3-Dichloropropene	ug/L	50	46.4	46.3	93	93	75-125	.2	20	
Trichloroethene	ug/L	50	54.9	53.1	110	106	75-125	3	20	
Vinyl chloride	ug/L	50	49.5	48.8	99	98	65-130	2	20	
4-Bromofluorobenzene (S)	%				98	97	64-132			
Dibromofluoromethane (S)	%				104	102	68-122			
Toluene-d8 (S)	%				101	102	73-127			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 79349			79350											
Parameter	Units	408901001	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual			
		Result	Spike Conc.	Spike Conc.								Result	Result	% Rec
1,1,1-Trichloroethane	ug/L	<0.90	50	50	50.9	51.6	102	103	70-130	1	30			
1,1,2,2-Tetrachloroethane	ug/L	<0.20	50	50	45.6	45.9	91	92	70-130	.7	30			
1,1,2-Trichloroethane	ug/L	<0.42	50	50	51.6	52.5	103	105	70-130	2	30			
1,1-Dichloroethane	ug/L	<0.75	50	50	51.6	52.6	103	105	70-130	2	30			
1,1-Dichloroethene	ug/L	<0.57	50	50	52.7	53.4	105	107	70-135	1	30			
1,2-Dichloroethane	ug/L	<0.36	50	50	49.0	50.7	98	101	70-130	3	30			
1,2-Dichloropropane	ug/L	<0.49	50	50	52.4	52.7	105	105	70-130	.5	30			
Benzene	ug/L	<0.41	50	50	53.3	54.3	107	109	70-130	2	30			
Bromodichloromethane	ug/L	<0.56	50	50	47.3	48.0	95	96	70-130	1	30			
Bromoform	ug/L	<0.94	50	50	45.3	46.3	91	93	70-130	2	30			
Bromomethane	ug/L	<0.91	50	50	41.2	40.5	82	81	63-147	2	30			
Carbon tetrachloride	ug/L	<0.49	50	50	50.8	53.0	102	106	70-131	4	30			
Chlorobenzene	ug/L	<0.41	50	50	51.6	51.4	103	103	70-130	.4	30			
Chloroethane	ug/L	<0.97	50	50	45.9	47.8	92	96	67-138	4	30			
Chloroform	ug/L	<1.3	50	50	50.8	52.7	102	105	70-130	4	30			
Chloromethane	ug/L	<0.24	50	50	40.8	41.7	82	83	43-150	2	30			
cis-1,2-Dichloroethene	ug/L	<0.83	50	50	53.8	54.4	108	109	70-130	1	30			
cis-1,3-Dichloropropene	ug/L	<0.20	50	50	50.0	50.6	100	101	70-130	1	30			
Dibromochloromethane	ug/L	<0.81	50	50	45.4	46.6	91	93	70-130	3	30			
Ethylbenzene	ug/L	<0.54	50	50	50.9	51.1	102	102	70-136	.5	30			
m&p-Xylene	ug/L		100	100	98.5	98.4	99	98	70-137	.2	30			
Methylene Chloride	ug/L	<0.43	50	50	52.7	54.3	105	109	70-130	3	30			
o-Xylene	ug/L		50	50	51.1	51.2	102	102	70-130	.08	30			
Styrene	ug/L	<0.86	50	50	47.3	47.5	95	95	70-130	.4	30			
Tetrachloroethene	ug/L	<0.45	50	50	45.8	46.6	92	93	70-130	2	30			
Toluene	ug/L	<0.67	50	50	50.3	50.8	101	102	70-130	1	30			
trans-1,2-Dichloroethene	ug/L	<0.89	50	50	48.2	49.9	96	100	70-130	3	30			
trans-1,3-Dichloropropene	ug/L	<0.19	50	50	46.4	46.7	93	93	70-130	.7	30			
Trichloroethene	ug/L	<0.48	50	50	53.7	54.9	107	110	70-130	2	30			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 4195 HA'S CLEANERS
Pace Project No.: 409098

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:			79349	79350								
Parameter	Units	408901001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Max RPD	Qual
Vinyl chloride	ug/L	<0.18	50	50	44.9	46.2	90	92	62-138	3	30	
4-Bromofluorobenzene (S)	%						98	98	64-132			
Dibromofluoromethane (S)	%						100	101	68-122			
Toluene-d8 (S)	%						103	103	73-127			

QUALIFIERS

Project: 4195 HA'S CLEANERS
Pace Project No.: 409098

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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.

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

LABORATORIES

PASI-G Pace Analytical Services - Green Bay



Sample Condition Upon Receipt

Client Name: MORRAINE

Project # 409098

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace Other _____

Tracking #: _____

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

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other _____

Thermometer Used NA

Type of Ice: ☒ Wet ☐ Blue ☐ None

☐ Samples on ice, cooling process has begun

Cooler Temperature 251

Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: 9/17/08

Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	1.
Chain of Custody Filled Out:	☒ Yes ☐ No ☐ N/A	2.
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	3.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time:	☒ Yes ☐ No ☐ N/A	5.
Short Hold Time Analysis (<72hr):	☒ Yes ☐ No ☐ N/A	6.
Rush Turn Around Time Requested:	☒ Yes ☐ No ☐ N/A	7.
Sufficient Volume:	☒ Yes ☐ No ☐ N/A	8.
Correct Containers Used:	☒ Yes ☐ No ☐ N/A	9.
-Pace Containers Used:	☒ Yes ☐ No ☐ N/A	
Containers Intact:	☒ Yes ☐ No ☐ N/A	10.
Filtered volume received for Dissolved tests	☒ Yes ☐ No ☐ N/A	11.
Sample Labels match COC:	☒ Yes ☐ No ☐ N/A	12.
-Includes date/time/ID/Analysis Matrix:	<u>W</u>	
All containers needing preservation have been checked.	☒ Yes ☐ No ☐ N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☒ Yes ☐ No ☐ N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☒ Yes ☐ No	Initial when completed
		Lot # of added preservative
Samples checked for dechlorination:	☒ Yes ☐ No ☐ N/A	14.
Headspace in VOA Vials (>6mm):	☒ Yes ☐ No ☐ N/A	15.
Trip Blank Present:	☒ Yes ☐ No ☐ N/A	16.
Trip Blank Custody Seals Present	☒ Yes ☐ No ☐ N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review:

Date: 9/17/08

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

(Please Print Clearly)	
Company Name:	Moraine Environmental
Branch/Location:	Grafton WI
Project Contact:	Tom Sweet
Phone:	(262) 377-9060
Project Number:	4195
Project Name:	Ha's cleaners
Project State:	WI
Sampled By (Print):	Steve R Rosolch
Sampled By (Sign):	St R Rosolch
PO #:	Regulatory Program:



CHAIN OF CUSTODY

***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)***

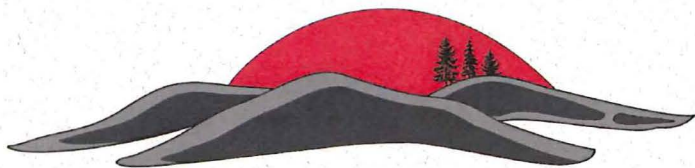
[illegible]

Quote #:		
Mail To Contact:	Tom Sweet	
Mail To Company:	Mo-que Environmental	
Mail To Address:	1402 7th Ave Grafton WI 53024	
Invoice To Contact:		
Invoice To Company:		
Invoice To Address:		
Invoice To Phone:		
CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
4 miles	4-form	

<u>Data Package Options</u>	<u>MS/MSD</u>	<u>Matrix Codes</u>
(billable)		A = Air
☐ EPA Level III	☐ On your sample	W = Water
	(billable)	DW = Drinking Water
☐ EPA Level IV	☐ NOT needed on	C = Charcoal
	your sample	GW = Ground Water
		O = Oil
		SW = Surface Water
		WW = Waste Water
		S = Soil
		WP = Wipe
		Sl = Sludge

[illegible]

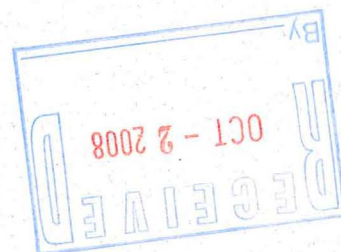
Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:		Relinquished By: <u>St R Hough</u> Date/Time: <u>9/17/08 11:00</u> Relinquished By: <u>S. Muelle</u> Date/Time: <u>9/17/08 14:30</u> Relinquished By: _____ Date/Time: _____ Relinquished By: _____ Date/Time: _____ Relinquished By: _____ Date/Time: _____	Received By: <u>S. Muelle</u> Date/Time: <u>9/17/08 12:30</u> Received By: <u>/</u> Date/Time: <u>9/17/08 1430</u> Received By: _____ Date/Time: _____ Received By: _____ Date/Time: _____ Received By: _____ Date/Time: _____	PACE Project No. <u>409098</u> Receipt Temp = <u>R01</u> °C Sample Receipt pH OK / Adjusted Cooler Custody Seal Present / Not Present Intact / Not Intact
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		



Moraine Environmental, Inc.
Environmental Management Services

October 1, 2008

Project Ref. # 4195



Victoria Stovall
Remediation and Redevelopment
WDNR Regional Headquarters
2300 N. Dr. Martin Luther King Jr. Dr.
Milwaukee, WI 53212

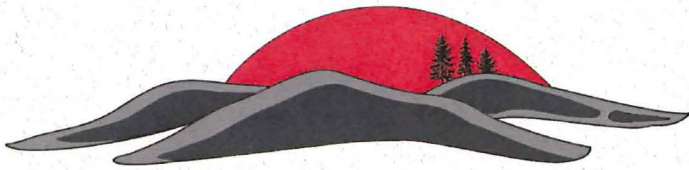
Re: No Action Required Request, Ha's Cleaners, 394 Falls Road, Grafton, WI
FID#246122470, BRRTS#02-46-552191

Dear Ms. Stovall:

On behalf of Ha's Cleaners, Moraine Environmental, Inc. (Moraine) is requesting a No Action Required for the above referenced site. A preliminary subsurface drilling investigation was performed July 29, 2008 to determine if dry cleaning operations at the above referenced location have impacted the soils and/or groundwater at the site. On September 4, 2008 Moraine installed a WDNR 2" diameter NR 141 groundwater monitoring well to verify results collected from temporary well (B-1) which was used as a screening tool. An additional shallow soil boring (B1) was installed adjacent to the dry cleaning machine and a sample collected 6 inches beneath the concrete flooring.

On July 29, 2008 three soil borings, B-1 installed at the back of the store near the rear service door, B-2 installed in the front of the store and B-3 installed through the interior floor immediately adjacent to the dry cleaning machine were sampled on July 29, 2008. The two outside borings (B-1 and B-2) were drilled to a depth of 15 feet below ground surface (bgs) using a Geoprobe track mounted direct push-drilling rig. Shallow groundwater was encountered at approximately 12 to 12.5 feet bgs. Temporary one-inch diameter groundwater monitoring wells were installed in the front and rear borings (B-1 and B-2) to collect a groundwater sample to screen for potential Groundwater contamination. Groundwater was analyzed for Volatile Organic Compounds (VOCs). No soil samples were collected from B-1 and B-2. The interior probe was drilled to a depth of six feet using an electric jackhammer and mini-Geoprobe tooling. A soil sample was collected at a depth of six feet bgs and submitted to Wisconsin Department of Natural Resources certified laboratory for analysis VOC's. Groundwater was not encountered at this location. The analytical results are presented in Table 1. Boring and well locations are depicted on Figure 1.

The analytical result for groundwater collected from temporary well B-1 of 2.7 ug/l Tetrachloroethene and 1.4 Trichloroethene is between 0.5 ug/l (preventive action limit) and 5.0 ug/l (enforcement standard).



Moraine Environmental, Inc.
Environmental Management Services

October 1, 2008

Project Ref. # 4195



Victoria Stovall
Remediation and Redevelopment
WDNR Regional Headquarters
2300 N. Dr. Martin Luther King Jr. Dr.
Milwaukee, WI 53212

Re: No Action Required Request, Ha's Cleaners, 394 Falls Road, Grafton, WI
FID#246122470, BRRTS#02-46-552191

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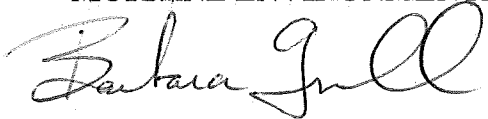
The analytical result for groundwater collected from temporary well B-1 of 2.7 ug/l Tetrachloroethene and 1.4 Trichloroethene is between 0.5 ug/l (preventive action limit) and 5.0 ug/l (enforcement standard).

On September 4, 2008 a 2" diameter NR 141 groundwater monitoring well (MW1) was installed outside at the B-1 location outside the back service door. Soil and groundwater samples were collected and analyzed for VOCs (Table 1). No VOCs were detected in the soil or groundwater. A soil sample B-1 collected at 6 inches below the surface adjacent to the dry cleaning machine was analyzed for VOCs. No VOCs were detected at this location. Boring and well locations are depicted on Figure 1.

Please call me if you need further clarification and or have questions.

Sincerely,

MORaine ENVIRONMENTAL, INC.

A handwritten signature in cursive script, appearing to read "Barbara Grundl".

Barbara Grundl, PG
Senior Project Hydrogeologist

Enclosures

cc: Kwang Ha
Jin Kim

Table 1. Groundwater and Soil Data

Date	Boring Number	Sample Depth Below Ground Surface (ft)	* Soil sample	**Groundwater Sample	VOCs Results
29-Jul-08	B-1(Temporary Well)	12-12.5		X	2.7 Tetrachloroethene 1.4 Trichloroethene
29-Jul-08	B-2(Temporary Well)	12-12.5		X	ND
29-Jul-08	B-3	6	X		ND
4-Sep-08	MW1	11-13	X		ND
4-Sep-08	MW1	18-20	X		ND
4-Sep-08	B1	6 inches	X		ND
4-Sep-08	MW1			X	ND

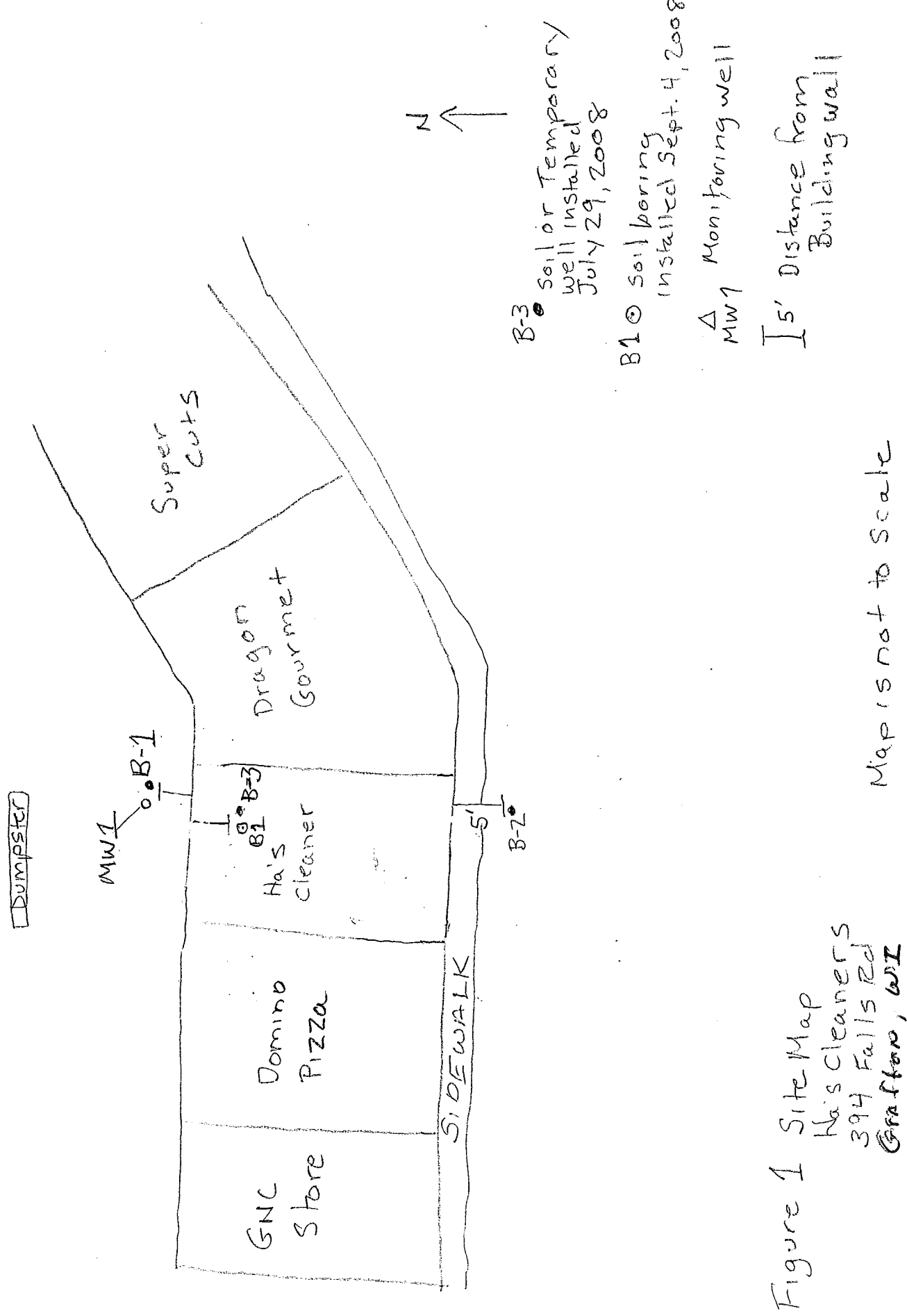
* Soil samples units in mg/kg

**Groundwater units in ug/l

ND =No Voc's detected

ft=feet

VOCs=Volatile Organic Compounds



Unless otherwise requested, please send only one copy of plans and reports. In addition to the paper copy, an electronic copy may also be submitted. To speed processing, correspondence should reference the BRRTS and FID numbers (if assigned) shown at the top of this letter.

Additional Information for Site Owners:

We encourage you to visit our website at <http://dnr.wi.gov/org/aw/rr>, where you can find information on selecting a consultant, financial assistance and understanding the cleanup process. You will also find information there about liability clarification letters, post-cleanup liability and more. Specific links you may be interested are listed below.

If you have questions, call the DNR project manager, John Feeney, at (920) 892-8756 ext. 3023 for more information or visit the RR web site at the address above.

Thank you for your cooperation.

Sincerely,

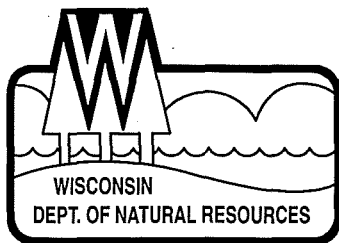
A handwritten signature in black ink that reads "Victoria Stovall". The signature is written in a cursive, flowing style.

Victoria Stovall
Environmental Project Associate
Remediation & Redevelopment Program

Cc: SER site file
Tom Sweet, Moraine Environmental

Environmental Contamination Basics, RR-674
<http://dnr.wi.gov/org/aw/rr/archives/pubs/RR674.pdf>

Dry Cleaner Environmental Response Program: Is the Program for Me?, RR-632
<http://dnr.wi.gov/org/aw/rr/archives/pubs/RR632.pdf>
Dry Cleaner Environmental Response Program: Talkin' Basics, RR-631
<http://dnr.wi.gov/org/aw/rr/archives/pubs/RR631.pdf>



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Gloria L. McCutcheon, Regional Director

~~Southeast Region Headquarters~~
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee, Wisconsin 53212-3128
Telephone 414-263-8500
FAX 414-263-8483
TTY 414-263-8713

August 26, 2008

Mr. Huang Ha
394 Falls Road
Grafton, WI 53024

Subject: Reported Contamination at Ha's Cleaners, 394 Falls Rd., Grafton, WI
WDNR BRTS Activity # 02-46-552191
WDNR FID # 246122470

Dear Mr. Ha:

On August 21, 2008, Tom Sweet, Moraine Environmental, on behalf of Ha's Cleaners notified the Wisconsin Department of Natural Resources ("WDNR") that chlorinated solvent contamination had been detected in groundwater at the site described above.

Based on the information that has been submitted to the WDNR regarding this site, we believe you are responsible for investigating and restoring the environment at the above-described site under Section 292.11, Wisconsin Statutes, known as the hazardous substances spills law.

This letter describes the legal responsibilities of a person who is responsible under section 292.11, explains what you need to do to investigate and clean up the contamination, and provides you with information about cleanups, environmental consultants, possible financial assistance, and working cooperatively with the WDNR, Department of Commerce ("Commerce") or the Department of Agriculture, Trade and Consumer Protection.

Legal Responsibilities:

Your legal responsibilities are defined both in statute and in administrative codes. The hazardous substances spill law, Section 292.11 (3) Wisconsin Statutes, states:

- **RESPONSIBILITY.** A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands, or waters of the state.

Wisconsin Administrative Code chapters NR 700 through NR 749 establish requirements for emergency and interim actions, public information, site investigations, design and operation of remedial action systems, and case closure. Wisconsin Administrative Code chapter NR 140 establishes groundwater standards for contaminants that reach groundwater.

Steps to Take:

The longer contamination is left in the environment, the farther it can spread and the more it may cost to clean up. Quick action may lessen damage to your property and neighboring properties and reduce your costs in investigating and cleaning up the contamination. To ensure that your cleanup complies with Wisconsin's laws and administrative codes, you should hire a professional environmental consultant who understands what needs to be done. These are the first steps to take:

1. Within the next **30 days**, by September 25, 2008, you should submit written verification (such as a letter from the consultant) that you have hired an environmental consultant. If you do not take action within this time frame, the WDNR may initiate enforcement action against you.
2. Within the next **60 days**, by October 24, 2008, your consultant should submit a work plan and schedule for the investigation. The consultant must comply with the requirements in the NR 700 Wis. Adm. Code rule series and should adhere to current WDNR technical guidance documents.

In addition, within 30 days of completion of the site investigation, your consultant should submit a site investigation report to the department or other agency with administrative authority.

For sites with petroleum contamination, when your investigation has established the degree and extent of contamination, your consultant will be able to determine whether the Department of Commerce or the WDNR has authority over the case. For agrichemicals, your case will be transferred to the Department of Agriculture, Trade and Consumer Protection for oversight.

Sites where discharges to the environment have been reported are entered into the Bureau for Remediation and Redevelopment Tracking System ("BRRTS"), a version of which appears on the WDNR's internet site. You may view the information related to your site at any time (<http://botw.dnr.state.wi.us/botw/Welcome.do>) and use the feedback system to alert us to any errors in the data.

If you want a formal written response from the department on a specific submittal, please be aware that a review fee is required in accordance with ch. NR 749, Wis. Adm. Code. If a fee is not submitted with your reports, you should proceed under the advice of your consultant to complete the site investigation and cleanup to maintain your compliance with the spills law and chapters NR 700 through NR 749. **Do not delay the investigation of your site by waiting for an agency response.** We have provided detailed technical guidance to environmental consultants. Your consultant is expected to know our technical procedures and administrative rules and should be able to answer your questions on meeting cleanup requirements.

All correspondence regarding this site should be sent to:

Victoria Stovall
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
2300 N. Dr. Martin Luther King, Jr. Dr.
Milwaukee, WI 53212
Victoria.Stovall@wisconsin.gov

State of Wisconsin
Department of Natural Resources
Box 7921, Madison, WI 53707-7921

Dry Cleaner Environmental Response Program Potential Claim Notification

Form 4400-210 (R 9/03)

Page 1 of 2

Notice: Use this form to notify the Department of Natural Resources of the potential to submit a reimbursement application to the Dry Cleaner Environmental Response Program (DERP). This form is authorized under s. 292.65, Wis. Stats. and ch. NR 169, Wis. Adm. Code. Completion of this form is mandatory for any person applying for reimbursement from the DERP. Persons who do not submit a completed form will not be eligible for reimbursement under DERP. Personal information will be shared with the Wisconsin Department of Revenue to determine eligibility for DERP claims and for DERP program administration. Information will also be made available to requesters under Wisconsin's Open Records laws (ss. 19.32-19.39, Wis. Stats.) and requirements.

Notification of a potential claim is required prior to conducting a site investigation or any remedial action activity under s. 292.65(4), Wis. Stats. For facilities in operation after October 14, 1997, include the Wisconsin Department of Revenue Dry Cleaning License Number issued under s. 77.996, Wis. Stats. "Dry cleaning facility" means a facility for dry cleaning apparel or household fabrics for the general public. See s. 292.65(1)(d), Wis. Stats., for legal definition.

Complete the following information and submit it to your DNR regional project manager. Copy this form as necessary.

Eligibility Information

Was there a release of dry cleaning product from a dry cleaning facility?

☒ Yes ☐ No

Date Department Notified of Release

8/21/08

Notification Method:

☐ Telephone

☒ FAX

☐ Written

Affected Media (select all that apply):

☐ Soil

☒ Groundwater

☐ Surface Water

Applicant:

☒ owns

☐ operates

☐ operated

☐ subsidiary/parent corporation

☐ property owner of licensed facility

Does your proposed cleanup site have an operating dry cleaning machine?

☒ Yes ☐ No

Date Your Ownership/Operation Started

March, 1993

For Closed Facilities, Date Last Load Processed

Active

If Operated After 10/14/97, Wisconsin Department of Revenue Dry Cleaning Facility License No.

N/A

If Dry Store, Date Equipment Removed From Site

N/A

Applicant Information

Owner/Operator Name

KWANG HA

Company Name

HA's Cleaners

Mailing Street Address and PO Box

394 Falls Road

E-Mail Address

N/A

Federal Employer ID Number (FEIN)

39-1833519

City

Grafton

State

WI

ZIP Code

53024

Telephone Number

262-375-8886

Fax Number

262-240-0144

Are there any other responsible persons associated with the cleanup of this facility?

☐ Yes ☒ No

If yes, check association for each:

☐ Other Owner

☐ Property Owner of a Licensed Facility

☐ Operator

☐ Other Owner

☐ Property Owner of a Licensed Facility

☐ Operator

Other Responsible Party

N/A

Other Responsible Party

N/A

Company Name

N/A

Company Name

N/A

Mailing Street Address and PO Box

N/A

Mailing Street Address and PO Box

N/A

City

N/A

State

-

ZIP Code

-

City

N/A

State

-

ZIP Code

-

Telephone Number

N/A

Telephone Number

N/A

Agent Information

If an agent will be conducting actions per s. 292.65(4)(k), Wis. Stats., complete the following.

Agent Name

Company Name

Mailing Street Address and PO Box

Telephone Number

Fax Number

City

State

ZIP Code

Date Agent Agreement Signed

Dry Cleaner Environmental Response Program Potential Claim Notification

Form 4400-210 (R 9/03)

Page 2 of 2

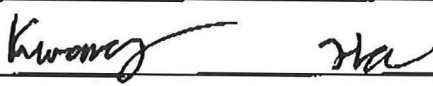
Facility Information			
Facility Name HA's Cleaners		Company Name HA's Cleaners	
Facility Location: Street Address 394 Falls Road		Department of Revenue Dry Cleaner License No. N/A	
City Grafton	State WI	ZIP Code 53034	License Holder and Company Name N/A
Date Dry Cleaning Facility Constructed MARCH 1993		License Holder Federal Employee ID# (FEIN) HA's Cleaners	
Dry cleaning license and solvent fees have been paid on this facility for the following years (select one):			
☒ October 14, 1997 to Present		☐ Fees are delinquent on this facility	
☐ From _____ To _____		☐ Facility operation ceased before October 14, 1997 (no fees apply)	

- Has a previous ch. NR 700 cleanup been conducted at this site?
If so, date of closure letter: N/A ☐ Yes ☒ No
- Is there diking around the machine? Also collection tank. ☒ Yes ☐ No
- Is the floor sealed? ☒ Yes ☐ No
- At this site, do you anticipate finding contaminants not associated with this dry cleaning facility? ☐ Yes ☒ No
- Are all wastes that are generated at the dry cleaning facility and that contain dry cleaning solvent managed as hazardous wastes in compliance with ch. 291, Wis. Stats., and 42 USC 6901 to 6991i? ☒ Yes ☐ No
- Is dry cleaning solvent or wastewater from your dry cleaning machines being discharged into any sanitary sewer or septic tank or into the waters of this state? ☐ Yes ☒ No
- Is all perchlorethylene delivered to the dry cleaning facility by means of a closed, direct-coupled delivery system? ☒ Yes ☐ No
- Was the facility constructed after October 14, 1997? ☐ Yes ☒ No
- Has the applicant ever been referred to the Wisconsin Department of Justice for any violations of Wisconsin laws or rules concerning the use or disposal of dry cleaning solvents? ☐ Yes ☒ No

Comments: (Provide clarification if necessary)

Certification

I certify that the information above is true and correct to the best of my knowledge.

Applicant Title and Signature 	Date Signed
Agent Title and Signature <u>N/A</u>	Date Signed <u>N/A 8/21/08</u>

Department Use Only

Complete, sign and FAX to DERP Grant Manager, CF/2, (608) 267-0496

Date Received <u>8/21/08</u>	Project Manager Signature <u>John Feeney</u>	BRRTS Number <u>02-46-552191</u>	Telephone Number <u>(920) 892-8756</u>
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**Moraine Environmental, Inc.****Environmental Management Services****1402 7th Avenue, Grafton, Wisconsin 53024-2330****Phone: (262) 377-9060 Fax: (262) 377-9770 Toll Free: 1(800) 920-2205****www.moraineenvironmental.com E-mail - moraine@execpc.com****Fax Transmission**

From: Thomas C. Sweet

Pgs: 29

Date: 8/21/08

To: Vicky Stovall

Fax #: 414-263-8550

Company: WDNK

Phone #:

Re:

Release Notification - Dry Cleaner
Vicky 394 Falls Road, GraftonPlease get this to Barb Grundl ASAP. She
would like to see it today.

Thank

Tom

State of Wisconsin
Department of Natural ResourcesFax Notification For Hazardous Substance Discharge
(Non-Emergency Only)

Form 4400-225 (07-03) Page 1 of 2

Emergency Discharges / Spills should be reported via the 24-Hour Hotline: 1-800-943-0003

Notice: Hazardous substance discharges must be reported immediately according to the "Spills Law", s. 292.11 Wis. Stats., Section NR 706.05(1)(b), Wis. Adm. Code, requires that hazardous substance discharges are to be reported by one of three methods: telephoning the Department (toll free Spill Hotline number above), telefaxing a report to the Department or visiting a Department office in person. If you choose to notify the Department by telefax, you should use this form to be sure that all necessary information is included. However use of this form is not mandatory. Under s. 292.99, Wis. Stats., the penalty for violating the reporting requirements of ch. 292 Wis. Stats., shall be no less than \$10 nor more than \$5000 for each violation. Each day of continued violation is a separate offense. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than program administration. However, information submitted on this form may also be made available to requesters under Wisconsin's Open Records Law (ss. 19.31 - 19.39, Wis. Stats.).

Confirmatory laboratory data should be included with this form, to assist the DNR in processing this Hazardous Substance Release Notification.

Complete this form. **TYPE or PRINT LEGIBLY.** FAX it to the appropriate DNR region (see next page) **IMMEDIATELY** upon discovery of a potential release from (check one):

- ☐ Underground Petroleum Storage Tank System
☐ Aboveground Petroleum Storage Tank System
☒ Dry Cleaner Facility (DERP eligibility based on: ☒ Facility owner/operator ☐ Property owner of licensed facility)
☐ Other - Describe:

TO DNR, ATTN: R & R Program Assistant

(Area Code) FAX Number

414-263-8550

1. Discharge reported by:

Name Thomas C. Sweet

Firm Moraine Environmental, Inc.

Date FAXed to DNR

8/20/08

Mailing Address

1402 7th Avenue, Grafton, WI 53024-2330

(Area Code) Phone Number

(262) 377 - 9060

2. Site Information

Name of site at which discharge occurred. Include local name of site/business, not responsible party name, unless a residence / vacant property

HA's Cleaners

Location: Include street address, not PO Box. If no street address, describe as precisely as possible,

i.e., 1/4 mile NW of CTHs 60 & 123 on E side of CTH 60

394 Falls Road

Municipality (City, Village, Township) Specify municipality in which the site is located, not mailing address/city

Grafton

County:

OZAUKEE

Legal Description:

SE 1/4, SW 1/4, Section 24, Tn 10N, Range 21 (E) W (circle one)

3. Responsible Party (RP) and/or RP Representative

- ☒ Responsible Party Name: Business or owner name that is responsible for cleanup. If more than one, list all
Attach additional pages as necessary

MR. Kwang HA

- ☐ Reported in compliance with s. 292.11(2), Wis. Stats., by a local government exempt from liability under s. 292.11(9)(e); Wis. Stats. For more information see http://dnr.wi.gov/org/aw/r/liability/muni_1.html.

Contact Person Name (if different)

Same

Phone Number

262-375-8886

Mailing Address

394 Falls Road

City

Grafton

State

WI

ZIP Code

53024

(continued)

State of Wisconsin
Department of Natural Resources

**Fax Notification For Hazardous Substance Discharge
(Non-Emergency Only)**

Form 4400-225 (07-03) Page 2 of 2

4. Hazardous Substance Impact Information

Identify hazardous substance discharged (check all that apply):

METALS

- ☐ Arsenic
☐ Chromium
☐ Lead
☐ Mercury
☐ Metals (specify): _____

SOLVENTS

- ☒ Solvent-Chlorinated
☐ Solvent-Non Chlorinated
☒ PERC
☐ VOC's

INDUSTRIAL CHEMICALS

- ☐ Ammonia
☐ Cyanide
☐ Paint
☐ PCB's
☐ VOC's

☐ Fertilizers
☐ Pesticide/Herbicide/Insecticide(s)
☐ Leachate
☐ RCRA Hazardous Waste

PETROLEUM

- ☐ Diesel/Fuel Oil
☐ Engine Oil/Waste Oil
☐ Mineral/Transmission/Hydraulic Oil
☐ Gasoline (Pb/Non-Pb/Unknown)
☐ Jet Fuel/Kerosene
☐ MTBE
☐ VOC's
☐ PAH's/SVOC
☐ Petroleum-Unknown Type

☐ Unknown
☐ Other (specify): _____

Impacts to the environment (enter "K" for known/confirmed or "P" for potential for all that apply)

- | | | |
|--|---|--|
| ☐ Air Contamination | ☐ Contamination in Right of Way | ☐ Sanitary Sewer Contamination |
| ☐ Co-contamination | ☐ Direct Contact | ☒ Soil Contamination |
| ☐ Concrete/Asphalt | ☐ Expanding Plume | ☐ Storm Sewer Contamination |
| ☐ Contained/Recovered | ☐ Fire Explosion Threat | ☐ Surface Water Contamination |
| ☐ Contamination Within 1 Meter of Bedrock | ☐ Free Product | ☐ Within 100 ft of Private Well |
| ☐ Contaminated Private Well | ☒ Groundwater Contamination | ☐ Within 1000 ft of Public Well |
| ☐ Contaminated Public Well | ☐ Off-Site Contamination | |
| ☐ Contamination in Fractured Bedrock | ☐ Other | |
- } very low level

Contamination was discovered as a result of:

- ☐ Tank closure assessment ☒ Site assessment Other - Describe:
Date _____ Date 7/29 - 8/15/2008 Date _____

Lab results:

- ☐ Lab results will be faxed upon receipt
☒ Lab results are attached

Additional Comments: Include a brief description of immediate actions taken to halt the release and contain or cleanup hazardous substances that have been discharged.

Further testing with 1 NR141 groundwater monitoring well and two temp wells will be performed. One shallow soil sample will also be collected beneath interior floor.

FAX numbers to report non-emergency releases in DNR's five regions are as follows: *The intent is to define if a problem exists (correct).*

Northeast Region (920-662-5197); Attention - RR Program Assistant:

Brown, Calumet, Door, Fond du Lac (*except City of Waupun - see South Central Region*), Green Lake, Kewaunee, Manitowoc, Marinette, Marquette, Menominee, Oconto, Outagamie, Shawano, Waupaca, Waushara, Winnebago counties

Northern Region (715-365-8932); Attention - RR Program Assistant:

Ashland, Barron, Bayfield, Burnett, Douglas, Forest, Florence, Iron, Langlade, Lincoln, Oneida, Polk, Price, Rusk, Sawyer, Taylor, Vilas, Washburn counties

South Central Region (608-275-3338); Attention - RR Program Assistant:

Columbia, Dane, Dodge, Fond du Lac (*City of Waupun only*), Grant, Green, Iowa, Jefferson, Lafayette, Richland, Rock, Sauk counties

Southeast Region (414-263-8552); Attention - RR Program Assistant:

Kenosha, Milwaukee, Ozaukee, Racine, Sheboygan, Walworth, Washington, Waukesha counties

West Central Region (715-839-6076); Attention - RR Program Assistant:

Adams, Buffalo, Chippewa, Clark, Crawford, Dunn, Eau Claire, Jackson, Juneau, LaCrosse, Marathon, Monroe, Pepin, Pierce, Portage, St. Croix, Trempealeau, Vernon, Wood counties

COPY**Moraine Environmental, Inc.**
Environmental Management Services

18 August, 2008

Project Ref. # 4195i

Mr. Ha
Ha's Cleaners
394 Falls Road
Grafton, Wisconsin 53024

Re: Results of Preliminary Subsurface Investigation
Ha's Cleaners, 394 Falls Road, Grafton, WI

Dear Mr. Ha:

Moraine Environmental, Inc. (Moraine) was retained by Ha's Cleaners to conduct a preliminary subsurface drilling investigation to determine if dry cleaning operations at the above referenced location have impacted the soils and or groundwater at the site. This investigation was required to determine eligibility for the Dry Cleaners Environmental Remediation Fund (DERF), which if notification of a release is not made as of August 30, 2008 eligibility is no longer available. Specifically, dry cleaning operations, which utilize petroleum or chlorinated solvents in their operation, must report evidence of a release to the soil and /or groundwater by the August 30th deadline to be eligible for future subsurface investigation and remediation cost reimbursement.

Accordingly, on Tuesday, July 29th, 2008, representatives from Moraine drilled three (3) soil borings, B-1 at the back of the store near the rear service door, B-2 in the front of the store and B-3 through the interior floor immediately adjacent to the dry cleaning machine. The two outside borings were drilled to a depth of 15 feet below ground surface (bgs) using a Geoprobe track mounted direct push drilling rig. Shallow groundwater was encountered at approximately 12 to 12.5 feet bgs. Temporary one inch diameter groundwater monitoring wells were installed in the front and rear (outside) borings in order to collect a groundwater sample from each well.

The interior probe was drilled to a depth of six feet using a electric jackhammer and mini-Geoprobe tooling. A soil sample was collected at the six foot bgs level and submitted to Wisconsin Department of Natural Resources certified laboratory for analysis of volatile organic compounds (VOC's), a test that analyzes for both petroleum and chlorinated compounds. Two groundwater samples were also collected from the exterior wells and also analyzed for VOC's. The analytical results are as follows:

<u>Boring/Temp Well Location</u>	<u>ID Number</u>	<u>Analytical Result</u>	<u>(ug/l)</u>
Rear of store (near service door)	B-1	Tetrachloroethylene Trichloroethene	2.7 1.4
Front of store (off sidewalk)	B-2	No contamination identified	
Store interior (near machine)	B-3	No contamination identified	

The water quality standard established by the WDNR for the contaminants identified in temporary well B-1 are 0.5 ug/l (preventive action limit) and 5.0 ug/l (enforcement standard). Thus, the analytical results, which are at a very low level, were detected between the preventive action limit and the enforcement standard.

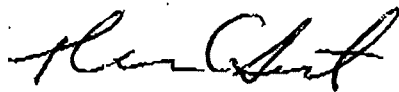
Because of the analytical result, Moraine recommends that Ha's cleaners report the release identified within the groundwater to the WDNR as required by the spills law. This reporting which must be done prior to August 30th, 2008, will maintain Ha's Cleaners cost reimbursement eligibility in the DERF program.

Moraine also recommends that further subsurface testing be completed, in order to determine if the initial discovery of the low level contaminants identified in the groundwater are significant or what Moraine believes to be insignificant. If it is determined by additional testing that the initial groundwater contaminant results are insignificant, the WDNR will likely issue a "No Action Required" or "No Further Action" letter to Ha's Cleaners.

Additional testing will consist of one 2" diameter groundwater monitoring well, placed outside of the back service door and two 1" diameter temporary wells further toward the dumpsters in the asphalt rear parking area. Finally another shallow boring will be installed just below the concrete floor in the interior. Costs are expected to be \$3,000.00-\$3,500.00.

Please call me for further clarification and questions.

Sincerely,
MORaine ENVIRONMENTAL, INC.



Thomas C. Sweet
President

Enclosures

cc: Jin Kim

Field MAI

4195

7/29/08

Ha's Cleaners

personell: Dan F., Steve R.

weather: 80° partly cloudy slight breeze

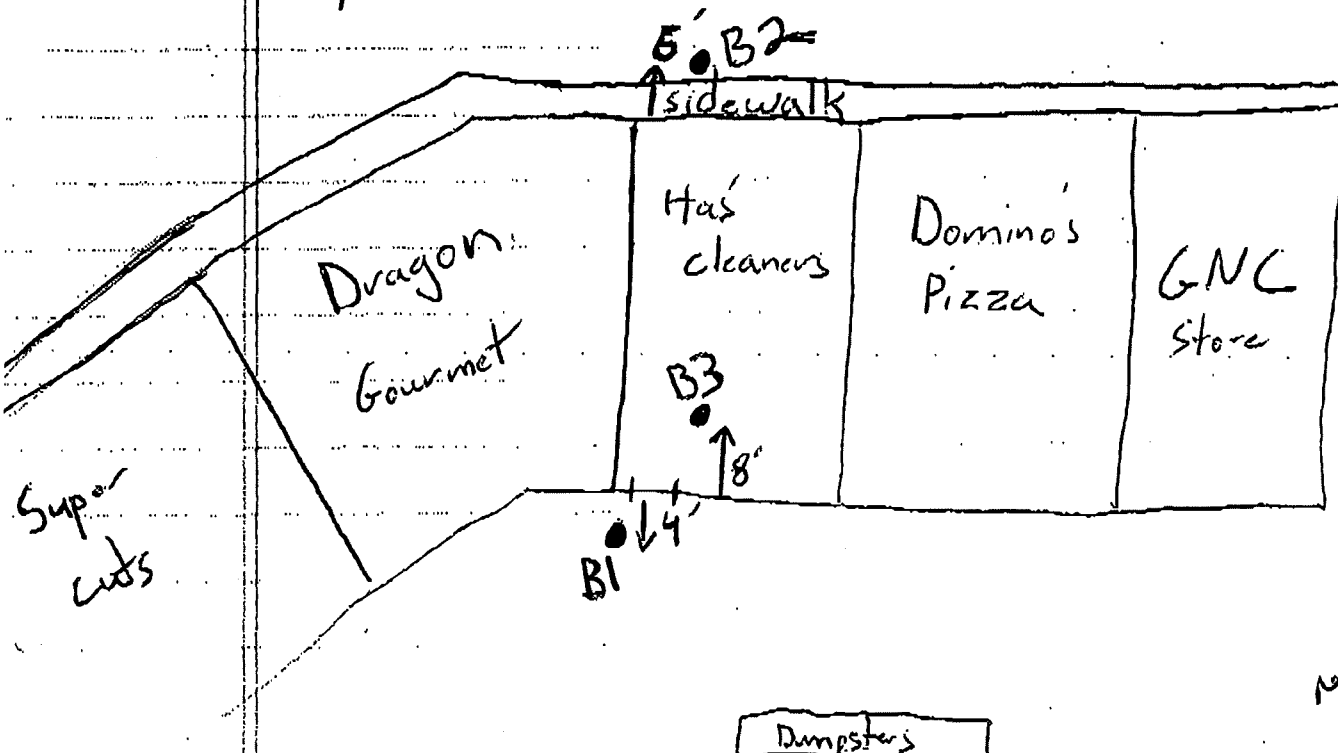
Location: 394 Falls Rd

Grafton, WI 53024

Description: Drilled 2 exterior probes w/ DT66
Drilled 1 interior probe w/ Jackhammer

B1 exterior to 12.5' (VOC's water)
B2 exterior to 15' (VOC's water)
B3 interior to 6' (VOC's soil)

Map:





Pace Analytical Services, Inc.
1241 Bellevue Street
Green Bay, WI 54302
(920)469-2436

August 12, 2008

Tom Sweet
Moraine Environmental, Inc.
1402 7th Avenue
Grafton, WI 530242330

RE: Project: 4195 HA'S CLEANERS
Pace Project No.: 407065

Dear Tom Sweet:

Enclosed are the analytical results for sample(s) received by the laboratory on July 30, 2008. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAP standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Laurie Woelfel

laurie.woelfel@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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Green Bay, WI 54302

(920)466-2436

CERTIFICATIONS

Project: 4195 HA'S CLEANERS

Pace Project No.: 407065

Green Bay Certification IDs

Louisiana Certification #: 04168

Kentucky Certification #: 82

Wisconsin DATCP Certification #: 105-444

Wisconsin Certification #: 405132750

South Carolina Certification #: 83006001

Minnesota Certification #: 055-999-334

North Carolina Certification #: 503

North Dakota Certification #: R-150

New York Certification #: 11888

Illinois Certification #: 200050

Florida (NELAP) Certification #: E87948

Green Bay Volatiles Certification IDs

Louisiana Certification #: 04169

Kentucky Certification #: 83

Wisconsin DATCP Certification #: 105-444

Wisconsin Certification #: 405132750

South Carolina Certification #: 83006001

Minnesota Certification #: 055-999-334

North Carolina Certification #: 503

North Dakota Certification #: R-200

New York Certification #: 11887

Illinois Certification #: 200051

Florida (NELAP) Certification #: E87951

REPORT OF LABORATORY ANALYSIS

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Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 4195 HA'S CLEANERS
Pace Project No.: 407065

Lab ID	Sample ID	Matrix	Date Collected	Date Received
407065001	B1	Water	07/29/08 00:00	07/30/08 15:00
407065002	B2	Water	07/29/08 00:00	07/30/08 15:00
407065003	B3	Solid	07/29/08 00:00	07/30/08 15:00

REPORT OF LABORATORY ANALYSIS

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Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 4195 HA'S CLEANERS
Pace Project No.: 407065

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
407065001	B1	EPA 8260	SMT	64	PASI-G
407065002	B2	EPA 8260	SMT	64	PASI-G
407065003	B3	ASTM D2974-87	AG	1	PASI-G
		EPA 8260	JJB	64	PASI-G

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 4195 HA'S CLEANERS

Pace Project No.: 407065

Sample: B1 Lab ID: 407065001 Collected: 07/29/08 00:00 Received: 07/30/08 15:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.41 ug/L		1.0	0.41	1		08/01/08 21:42	71-43-2	
Bromobenzene	<0.82 ug/L		1.0	0.82	1		08/01/08 21:42	108-88-1	
Bromochloromethane	<0.97 ug/L		1.0	0.97	1		08/01/08 21:42	74-97-5	
Bromodichloromethane	<0.56 ug/L		1.9	0.56	1		08/01/08 21:42	75-27-4	
Bromoform	<0.94 ug/L		3.1	0.94	1		08/01/08 21:42	75-25-2	
Bromomethane	<0.91 ug/L		3.0	0.91	1		08/01/08 21:42	74-83-9	
n-Butylbenzene	<0.93 ug/L		1.0	0.93	1		08/01/08 21:42	104-51-8	
sec-Butylbenzene	<0.89 ug/L		1.0	0.89	1		08/01/08 21:42	135-98-8	
tert-Butylbenzene	<0.97 ug/L		1.0	0.97	1		08/01/08 21:42	98-06-6	
Carbon tetrachloride	<0.49 ug/L		1.0	0.49	1		08/01/08 21:42	56-23-5	
Chlorobenzene	<0.41 ug/L		1.0	0.41	1		08/01/08 21:42	108-90-7	
Chloroethane	<0.97 ug/L		1.0	0.97	1		08/01/08 21:42	75-00-3	
Chloroform	<0.37 ug/L		1.2	0.37	1		08/01/08 21:42	67-66-3	
Chloromethane	<0.24 ug/L		0.80	0.24	1		08/01/08 21:42	74-87-3	
2-Chlorotoluene	<0.85 ug/L		1.0	0.85	1		08/01/08 21:42	95-49-8	
4-Chlorotoluene	<0.74 ug/L		1.0	0.74	1		08/01/08 21:42	106-43-4	
1,2-Dibromo-3-chloropropane	<0.87 ug/L		2.9	0.87	1		08/01/08 21:42	96-12-8	
Dibromochloromethane	<0.81 ug/L		1.0	0.81	1		08/01/08 21:42	124-48-1	
1,2-Dibromoethane (EDB)	<0.56 ug/L		1.9	0.56	1		08/01/08 21:42	106-93-4	
Dibromomethane	<0.60 ug/L		1.0	0.60	1		08/01/08 21:42	74-95-3	
1,2-Dichlorobenzene	<0.83 ug/L		1.0	0.83	1		08/01/08 21:42	95-50-1	
1,3-Dichlorobenzene	<0.87 ug/L		1.0	0.87	1		08/01/08 21:42	541-73-1	
1,4-Dichlorobenzene	<0.95 ug/L		1.0	0.95	1		08/01/08 21:42	106-46-7	
Dichlorodifluoromethane	<0.99 ug/L		1.0	0.99	1		08/01/08 21:42	75-71-8	
1,1-Dichloroethane	<0.75 ug/L		1.0	0.75	1		08/01/08 21:42	75-34-3	
1,2-Dichloroethane	<0.36 ug/L		1.0	0.36	1		08/01/08 21:42	107-06-2	
1,1-Dichloroethene	<0.57 ug/L		1.0	0.57	1		08/01/08 21:42	75-35-4	
cis-1,2-Dichloroethene	<0.83 ug/L		1.0	0.83	1		08/01/08 21:42	156-59-2	
trans-1,2-Dichloroethene	<0.89 ug/L		1.0	0.89	1		08/01/08 21:42	156-60-5	
1,2-Dichloropropane	<0.46 ug/L		1.0	0.46	1		08/01/08 21:42	78-87-5	
1,3-Dichloropropane	<0.61 ug/L		2.0	0.61	1		08/01/08 21:42	142-28-9	
2,2-Dichloropropane	<0.62 ug/L		1.0	0.62	1		08/01/08 21:42	594-20-7	
1,1-Dichloropropene	<0.75 ug/L		1.0	0.75	1		08/01/08 21:42	563-58-6	
cis-1,3-Dichloropropene	<0.19 ug/L		0.63	0.19	1		08/01/08 21:42	10061-01-5	
trans-1,3-Dichloropropene	<0.19 ug/L		0.63	0.19	1		08/01/08 21:42	10061-02-6	
Diisopropyl ether	<0.76 ug/L		1.0	0.76	1		08/01/08 21:42	108-20-3	
Ethylbenzene	<0.54 ug/L		1.0	0.54	1		08/01/08 21:42	100-41-4	
Hexachloro-1,3-butadiene	<0.67 ug/L		1.0	0.67	1		08/01/08 21:42	87-68-3	
Isopropylbenzene (Cumene)	<0.59 ug/L		1.0	0.59	1		08/01/08 21:42	98-82-8	
p-Isopropyltoluene	<0.67 ug/L		1.0	0.67	1		08/01/08 21:42	99-87-6	
Methylene Chloride	<0.43 ug/L		1.4	0.43	1		08/01/08 21:42	75-09-2	
Methyl-tert-butyl ether	<0.61 ug/L		2.0	0.61	1		08/01/08 21:42	1634-04-4	
Naphthalene	<0.74 ug/L		5.0	0.74	1		08/01/08 21:42	91-20-3	
n-Propylbenzene	<0.81 ug/L		1.0	0.81	1		08/01/08 21:42	103-65-1	
Styrene	<0.86 ug/L		1.0	0.86	1		08/01/08 21:42	100-42-5	
1,1,1,2-Tetrachloroethane	<0.92 ug/L		1.0	0.92	1		08/01/08 21:42	630-20-6	

Date: 08/12/2008 04:29 PM

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1241 Bellevue Street
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 4195 HA'S CLEANERS

Pace Project No.: 407065

Sample: B1 Lab ID: 407065001 Collected: 07/29/08 00:00 Received: 07/30/08 15:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,2,2-Tetrachloroethane	<0.20	ug/L	0.67	0.20	1		08/01/08 21:42	79-34-5	
Tetrachloroethene	2.7	ug/L	1.0	0.45	1		08/01/08 21:42	127-18-4	
Toluene	<0.67	ug/L	1.0	0.67	1		08/01/08 21:42	108-88-3	
1,2,3-Trichlorobenzene	<0.74	ug/L	1.0	0.74	1		08/01/08 21:42	87-61-6	
1,2,4-Trichlorobenzene	<0.97	ug/L	1.0	0.97	1		08/01/08 21:42	120-82-1	
1,1,1-Trichloroethane	<0.90	ug/L	1.0	0.90	1		08/01/08 21:42	71-55-6	
1,1,2-Trichloroethane	<0.42	ug/L	1.4	0.42	1		08/01/08 21:42	79-00-5	
Trichloroethene	1.4	ug/L	1.0	0.48	1		08/01/08 21:42	79-01-6	
Trichlorofluoromethane	<0.79	ug/L	1.0	0.79	1		08/01/08 21:42	75-69-4	
1,2,3-Trichloropropane	<0.99	ug/L	1.0	0.99	1		08/01/08 21:42	96-18-4	
1,2,4-Trimethylbenzene	<0.97	ug/L	1.0	0.97	1		08/01/08 21:42	95-63-6	
1,3,5-Trimethylbenzene	<0.83	ug/L	1.0	0.83	1		08/01/08 21:42	108-67-8	
Vinyl chloride	<0.18	ug/L	0.60	0.18	1		08/01/08 21:42	75-01-4	
m&p-Xylene	<1.8	ug/L	2.0	1.8	1		08/01/08 21:42	1330-20-7	
o-Xylene	<0.83	ug/L	1.0	0.83	1		08/01/08 21:42	95-47-6	
4-Bromofluorobenzene (S)	105	%	64-132		1		08/01/08 21:42	460-00-4	
Dibromofluoromethane (S)	102	%	68-122		1		08/01/08 21:42	1868-53-7	pH
Toluene-d8 (S)	111	%	73-127		1		08/01/08 21:42	2037-26-5	



Pace Analytical Services, Inc.

1241 Bellevue Street

Green Bay, WI 54302

(920)469-2436

ANALYTICAL RESULTS

Project: 4195 HA'S CLEANERS

Pace Project No.: 407065

Sample: B2 Lab ID: 407065002 Collected: 07/29/08 00:00 Received: 07/30/08 15:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.41 ug/L		1.0	0.41	1		08/01/08 22:06	71-43-2	
Bromobenzene	<0.82 ug/L		1.0	0.82	1		08/01/08 22:06	108-86-1	
Bromochloromethane	<0.97 ug/L		1.0	0.97	1		08/01/08 22:06	74-97-5	
Bromodichloromethane	<0.56 ug/L		1.9	0.56	1		08/01/08 22:06	75-27-4	
Bromoform	<0.94 ug/L		3.1	0.94	1		08/01/08 22:06	75-25-2	
Bromomethane	<0.91 ug/L		3.0	0.91	1		08/01/08 22:06	74-83-9	
n-Butylbenzene	<0.93 ug/L		1.0	0.93	1		08/01/08 22:06	104-51-8	
sec-Butylbenzene	<0.89 ug/L		1.0	0.89	1		08/01/08 22:06	135-98-8	
tert-Butylbenzene	<0.97 ug/L		1.0	0.97	1		08/01/08 22:06	98-06-6	
Carbon tetrachloride	<0.49 ug/L		1.0	0.49	1		08/01/08 22:06	56-23-5	
Chlorobenzene	<0.41 ug/L		1.0	0.41	1		08/01/08 22:06	108-90-7	
Chloroethane	<0.97 ug/L		1.0	0.97	1		08/01/08 22:06	75-00-3	
Chloroform	<0.37 ug/L		1.2	0.37	1		08/01/08 22:06	67-66-3	
Chloromethane	<0.24 ug/L		0.80	0.24	1		08/01/08 22:06	74-87-3	
2-Chlorotoluene	<0.85 ug/L		1.0	0.85	1		08/01/08 22:06	95-49-8	
4-Chlorotoluene	<0.74 ug/L		1.0	0.74	1		08/01/08 22:06	108-43-4	
1,2-Dibromo-3-chloropropane	<0.87 ug/L		2.9	0.87	1		08/01/08 22:06	96-12-8	
Dibromochloromethane	<0.81 ug/L		1.0	0.81	1		08/01/08 22:06	124-48-1	
1,2-Dibromoethane (EDB)	<0.56 ug/L		1.9	0.56	1		08/01/08 22:06	106-93-4	
Dibromomethane	<0.60 ug/L		1.0	0.60	1		08/01/08 22:06	74-95-3	
1,2-Dichlorobenzene	<0.83 ug/L		1.0	0.83	1		08/01/08 22:06	95-50-1	
1,3-Dichlorobenzene	<0.87 ug/L		1.0	0.87	1		08/01/08 22:06	541-73-1	
1,4-Dichlorobenzene	<0.95 ug/L		1.0	0.95	1		08/01/08 22:06	108-46-7	
Dichlorodifluoromethane	<0.99 ug/L		1.0	0.99	1		08/01/08 22:06	75-71-8	
1,1-Dichloroethane	<0.75 ug/L		1.0	0.75	1		08/01/08 22:06	75-34-3	
1,2-Dichloroethane	<0.36 ug/L		1.0	0.36	1		08/01/08 22:06	107-06-2	
1,1-Dichloroethene	<0.57 ug/L		1.0	0.57	1		08/01/08 22:06	75-35-4	
cis-1,2-Dichloroethane	<0.83 ug/L		1.0	0.83	1		08/01/08 22:06	156-59-2	
trans-1,2-Dichloroethene	<0.89 ug/L		1.0	0.89	1		08/01/08 22:06	156-60-5	
1,2-Dichloropropane	<0.46 ug/L		1.0	0.46	1		08/01/08 22:06	78-87-5	
1,3-Dichloropropane	<0.61 ug/L		2.0	0.61	1		08/01/08 22:06	142-28-9	
2,2-Dichloropropane	<0.62 ug/L		1.0	0.62	1		08/01/08 22:06	594-20-7	
1,1-Dichloropropene	<0.75 ug/L		1.0	0.75	1		08/01/08 22:06	563-58-8	
cis-1,3-Dichloropropene	<0.19 ug/L		0.63	0.19	1		08/01/08 22:06	10061-01-5	
trans-1,3-Dichloropropene	<0.19 ug/L		0.63	0.19	1		08/01/08 22:06	10061-02-8	
Diisopropyl ether	<0.76 ug/L		1.0	0.76	1		08/01/08 22:06	108-20-3	
Ethylbenzene	<0.54 ug/L		1.0	0.54	1		08/01/08 22:06	100-41-4	
Hexachloro-1,3-butadiene	<0.67 ug/L		1.0	0.67	1		08/01/08 22:06	87-68-3	
Isopropylbenzene (Cumene)	<0.59 ug/L		1.0	0.59	1		08/01/08 22:06	98-82-8	
p-Isopropyltoluene	<0.67 ug/L		1.0	0.67	1		08/01/08 22:06	99-87-6	
Methylene Chloride	<0.43 ug/L		1.4	0.43	1		08/01/08 22:06	75-09-2	
Methyl-tert-butyl ether	<0.61 ug/L		2.0	0.61	1		08/01/08 22:06	1634-04-4	
Naphthalene	<0.74 ug/L		5.0	0.74	1		08/01/08 22:06	91-20-3	
n-Propylbenzene	<0.81 ug/L		1.0	0.81	1		08/01/08 22:06	103-65-1	
Styrene	<0.86 ug/L		1.0	0.86	1		08/01/08 22:06	100-42-5	
1,1,1,2-Tetrachloroethane	<0.92 ug/L		1.0	0.92	1		08/01/08 22:06	630-20-6	

Date: 08/12/2008 04:29 PM

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.

1241 Bellevue Street

Green Bay, WI 54302

(920)469-2436

ANALYTICAL RESULTS

Project: 4195 HA'S CLEANERS

Pace Project No.: 407065

Sample: B2 Lab ID: 407065002 Collected: 07/29/08 00:00 Received: 07/30/08 15:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.20 ug/L		0.67	0.20	1		08/01/08 22:06	79-34-5	
Tetrachloroethene	<0.45 ug/L		1.0	0.45	1		08/01/08 22:06	127-18-4	
Toluene	<0.67 ug/L		1.0	0.67	1		08/01/08 22:06	108-88-3	
1,2,3-Trichlorobenzene	<0.74 ug/L		1.0	0.74	1		08/01/08 22:06	87-61-6	
1,2,4-Trichlorobenzene	<0.97 ug/L		1.0	0.97	1		08/01/08 22:06	120-82-1	
1,1,1-Trichloroethane	<0.90 ug/L		1.0	0.90	1		08/01/08 22:06	71-55-6	
1,1,2-Trichloroethane	<0.42 ug/L		1.4	0.42	1		08/01/08 22:06	79-00-5	
Trichloroethene	<0.48 ug/L		1.0	0.48	1		08/01/08 22:06	79-01-6	
Trichlorofluoromethane	<0.79 ug/L		1.0	0.79	1		08/01/08 22:06	75-69-4	
1,2,3-Trichloropropane	<0.99 ug/L		1.0	0.99	1		08/01/08 22:06	96-18-4	
1,2,4-Trimethylbenzene	<0.97 ug/L		1.0	0.97	1		08/01/08 22:06	95-63-6	
1,3,5-Trimethylbenzene	<0.83 ug/L		1.0	0.83	1		08/01/08 22:06	108-67-8	
Vinyl chloride	<0.18 ug/L		0.60	0.18	1		08/01/08 22:06	75-01-4	
m&p-Xylene	<1.8 ug/L		2.0	1.8	1		08/01/08 22:06	1330-20-7	
o-Xylene	<0.83 ug/L		1.0	0.83	1		08/01/08 22:06	95-47-6	
4-Bromofluorobenzene (S)	106 %		64-132		1		08/01/08 22:06	460-00-4	
Dibromofluoromethane (S)	99 %		68-122		1		08/01/08 22:06	1868-53-7	
Toluene-d8 (S)	111 %		73-127		1		08/01/08 22:06	2037-26-5	





Pace Analytical Services, Inc.
1241 Bellevue Street
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 4195 HA'S CLEANERS

Pace Project No.: 407065

Sample: B3 Lab ID: 407065003 Collected: 07/29/08 00:00 Received: 07/30/08 15:00 Matrix: Solid

Results reported on a "dry-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	08/04/08 11:26	08/04/08 13:55	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	75-27-4	W
Bromoform	<25.9	ug/kg	60.0	25.9	1	08/04/08 11:26	08/04/08 13:55	75-25-2	W
Bromomethane	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	74-83-9	W
n-Butylbenzene	<40.4	ug/kg	60.0	40.4	1	08/04/08 11:26	08/04/08 13:55	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	108-90-7	W
Chloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	75-00-3	W
Chloroform	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	67-68-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	108-43-4	W
1,2-Dibromo-3-chloropropane	<82.3	ug/kg	250	82.3	1	08/04/08 11:26	08/04/08 13:55	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	74-95-3	W
1,2-Dichlorobenzene	<44.4	ug/kg	60.0	44.4	1	08/04/08 11:26	08/04/08 13:55	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	107-06-2	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	100-41-4	W
Hexachloro-1,3-butadiene	<26.4	ug/kg	60.0	26.4	1	08/04/08 11:26	08/04/08 13:55	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	1634-04-4	W
Naphthalene	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	100-42-5	W

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REPORT OF LABORATORY ANALYSIS

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1241 Bellevue Street
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 4195 HA'S CLEANERS

Pace Project No.: 407065

Sample: B3 Lab ID: 407065003 Collected: 07/29/08 00:00 Received: 07/30/08 15:00 Matrix: Solid

Results reported on a "dry-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	08/04/08 11:26	08/04/08 13:55	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	87-61-6	W
1,2,4-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	75-01-4	W
m&p-Xylene	<25.0	ug/kg	120	25.0	1	08/04/08 11:26	08/04/08 13:55	1330-20-7	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/04/08 11:26	08/04/08 13:55	95-47-6	W
Dibromofluoromethane (S)	108	%	64-140		1	08/04/08 11:26	08/04/08 13:55	1868-53-7	
Toluene-d8 (S)	107	%	67-139		1	08/04/08 11:26	08/04/08 13:55	2037-28-5	
4-Bromofluorobenzene (S)	100	%	64-133		1	08/04/08 11:26	08/04/08 13:55	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	6.5	%	0.10	0.10	1		07/31/08 08:10		



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QUALITY CONTROL DATA

Project: 4195 HA'S CLEANERS
Pace Project No.: 407065

QC Batch: PMST/1641 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 407065003

SAMPLE DUPLICATE: 58587

Parameter	Units	407061001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	4.8	4.1	14	10	





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QUALITY CONTROL DATA

Project: 4195 HA'S CLEANERS

Pace Project No.: 407065

QC Batch: MSV/2311

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 407065001, 407065002

METHOD BLANK: 59398

Associated Lab Samples: 407065001, 407065002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.92	1.0	
1,1,1-Trichloroethane	ug/L	<0.90	1.0	
1,1,2,2-Tetrachloroethane	ug/L	<0.20	0.67	
1,1,2-Trichloroethane	ug/L	<0.42	1.4	
1,1-Dichloroethane	ug/L	<0.75	1.0	
1,1-Dichloroethene	ug/L	<0.57	1.0	
1,1-Dichloropropene	ug/L	<0.75	1.0	
1,2,3-Trichlorobenzene	ug/L	<0.74	1.0	
1,2,3-Trichloropropane	ug/L	<0.99	1.0	
1,2,4-Trichlorobenzene	ug/L	<0.97	1.0	
1,2,4-Trimethylbenzene	ug/L	<0.97	1.0	
1,2-Dibromo-3-chloropropane	ug/L	<0.87	2.9	
1,2-Dibromoethane (EDB)	ug/L	<0.56	1.9	
1,2-Dichlorobenzene	ug/L	<0.83	1.0	
1,2-Dichloroethane	ug/L	<0.36	1.0	
1,2-Dichloropropane	ug/L	<0.46	1.0	
1,3,5-Trimethylbenzene	ug/L	<0.83	1.0	
1,3-Dichlorobenzene	ug/L	<0.87	1.0	
1,3-Dichloropropane	ug/L	<0.61	2.0	
1,4-Dichlorobenzene	ug/L	<0.95	1.0	
2,2-Dichloropropane	ug/L	<0.62	1.0	
2-Chlorotoluene	ug/L	<0.85	1.0	
4-Chlorotoluene	ug/L	<0.74	1.0	
Benzene	ug/L	<0.41	1.0	
Bromobenzene	ug/L	<0.82	1.0	
Bromochloromethane	ug/L	<0.97	1.0	
Bromodichloromethane	ug/L	<0.56	1.9	
Bromoform	ug/L	<0.94	3.1	
Bromomethane	ug/L	<0.91	3.0	
Carbon tetrachloride	ug/L	<0.49	1.0	
Chlorobenzene	ug/L	<0.41	1.0	
Chloroethane	ug/L	<0.97	1.0	
Chloroform	ug/L	<0.37	1.2	
Chloromethane	ug/L	<0.24	0.80	
cis-1,2-Dichloroethene	ug/L	<0.83	1.0	
cis-1,3-Dichloropropene	ug/L	<0.19	0.63	
Dibromochloromethane	ug/L	<0.81	1.0	
Dibromomethane	ug/L	<0.60	1.0	
Dichlorodifluoromethane	ug/L	<0.99	1.0	
Diisopropyl ether	ug/L	<0.76	1.0	
Ethylbenzene	ug/L	<0.54	1.0	
Hexachloro-1,3-butadiene	ug/L	<0.67	1.0	
Isopropylbenzene (Cumene)	ug/L	<0.59	1.0	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 4195 HA'S CLEANERS

Pace Project No.: 407065

METHOD BLANK: 59398

Associated Lab Samples: 407065001, 407065002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
m&p-Xylene	ug/L	<1.8	2.0	
Methyl-tert-butyl ether	ug/L	<0.61	2.0	
Methylene Chloride	ug/L	<0.43	1.4	
n-Butylbenzene	ug/L	<0.93	1.0	
n-Propylbenzene	ug/L	<0.81	1.0	
Naphthalene	ug/L	<0.74	5.0	
o-Xylene	ug/L	<0.83	1.0	
p-Isopropyltoluene	ug/L	<0.67	1.0	
sec-Butylbenzene	ug/L	<0.89	1.0	
Styrene	ug/L	<0.86	1.0	
tert-Butylbenzene	ug/L	<0.97	1.0	
Tetrachloroethene	ug/L	<0.45	1.0	
Toluene	ug/L	<0.67	1.0	
trans-1,2-Dichloroethene	ug/L	<0.89	1.0	
trans-1,3-Dichloropropene	ug/L	<0.19	0.63	
Trichloroethene	ug/L	<0.48	1.0	
Trichlorofluoromethane	ug/L	<0.79	1.0	
Vinyl chloride	ug/L	<0.18	0.60	
4-Bromofluorobenzene (S)	%	108	64-132	
Dibromofluoromethane (S)	%	99	68-122	
Toluene-d8 (S)	%	111	73-127	

LABORATORY CONTROL SAMPLE & LCSD: 59399

59400

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.8	51.3	102	103	75-128	.9	20	
1,1,2,2-Tetrachloroethane	ug/L	50	57.7	58.0	115	116	67-125	.4	20	
1,1,2-Trichloroethane	ug/L	50	52.0	51.2	104	102	75-125	2	20	
1,1-Dichloroethane	ug/L	50	56.8	55.7	114	111	71-130	2	20	
1,1-Dichloroethene	ug/L	50	59.2	58.1	118	116	75-125	2	20	
1,2-Dichloroethane	ug/L	50	49.8	47.6	100	95	71-132	4	20	
1,2-Dichloropropane	ug/L	50	51.6	50.8	103	102	73-125	2	20	
Benzene	ug/L	50	54.1	54.3	108	109	75-125	.5	20	
Bromodichloromethane	ug/L	50	48.7	48.1	97	96	75-125	1	20	
Bromoform	ug/L	50	45.1	45.5	90	91	75-125	.9	20	
Bromomethane	ug/L	50	48.9	51.6	98	103	66-125	5	20	
Carbon tetrachloride	ug/L	50	48.8	48.3	98	97	75-125	1	20	
Chlorobenzene	ug/L	50	52.6	52.1	105	104	75-125	1	20	
Chloroethane	ug/L	50	59.6	56.8	119	114	72-126	5	20	
Chloroform	ug/L	50	51.1	51.2	102	102	75-125	.3	20	
Chloromethane	ug/L	50	59.2	56.9	118	114	46-143	4	20	
cis-1,2-Dichloroethene	ug/L	50	52.0	50.6	104	101	75-125	3	20	
cis-1,3-Dichloropropene	ug/L	50	48.6	48.7	97	97	75-125	.2	20	
Dibromochloromethane	ug/L	50	44.7	44.7	89	89	75-125	.06	20	
Ethylbenzene	ug/L	50	54.7	54.1	109	108	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 4195 HA'S CLEANERS

Pace Project No.: 407065

LABORATORY CONTROL SAMPLE & LCSD: 59399

59400

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
m&p-Xylene	ug/L	100	108	108	108	108	75-125	.1	20	
Methylene Chloride	ug/L	50	55.5	55.8	111	112	75-125	.5	20	
o-Xylene	ug/L	50	49.5	49.1	99	98	75-125	.7	20	
Styrene	ug/L	50	49.7	50.0	99	100	75-125	.6	20	
Tetrachloroethene	ug/L	50	49.4	48.2	99	96	75-130	2	20	
Toluene	ug/L	50	54.7	54.6	109	109	75-125	.2	20	
trans-1,2-Dichloroethene	ug/L	50	56.0	56.2	112	112	75-125	.3	20	
trans-1,3-Dichloropropene	ug/L	50	46.8	47.4	94	95	75-125	1	20	
Trichloroethene	ug/L	50	56.4	55.5	113	111	75-125	2	20	
Vinyl chloride	ug/L	50	55.0	54.4	110	109	65-130	1	20	
4-Bromofluorobenzene (S)	%				108	109	64-132			
Dibromofluoromethane (S)	%				101	100	68-122			
Toluene-d8 (S)	%				111	110	73-127			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 59401

59402

Parameter	Units	407055003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.90	50	50	51.3	50.3	103	101	70-130	2	30	
1,1,2,2-Tetrachloroethane	ug/L	<0.20	50	50	57.8	60.7	116	121	70-130	5	30	
1,1,2-Trichloroethane	ug/L	<0.42	50	50	50.5	52.7	101	105	70-130	4	30	
1,1-Dichloroethane	ug/L	<0.75	50	50	57.8	55.3	116	111	70-130	4	30	
1,1-Dichloroethene	ug/L	<0.57	50	50	57.5	57.4	115	115	70-135	2	30	
1,2-Dichloroethane	ug/L	<0.36	50	50	50.7	46.4	101	93	70-130	9	30	
1,2-Dichloropropane	ug/L	<0.46	50	50	49.3	50.4	99	101	70-130	2	30	
Benzene	ug/L	<0.41	50	50	55.2	54.3	110	109	70-130	2	30	
Bromodichloromethane	ug/L	<0.56	50	50	47.6	48.9	95	98	70-130	3	30	
Bromoform	ug/L	<0.94	50	50	44.5	44.1	89	88	70-130	.8	30	
Bromomethane	ug/L	<0.91	50	50	52.1	50.7	104	101	63-147	3	30	
Carbon tetrachloride	ug/L	<0.49	50	50	48.2	47.7	96	95	70-131	1	30	
Chlorobenzene	ug/L	<0.41	50	50	52.1	52.8	104	106	70-130	1	30	
Chloroethane	ug/L	<0.97	50	50	55.5	58.6	111	117	67-138	5	30	
Chloroform	ug/L	<0.37	50	50	51.7	51.3	103	103	70-130	.7	30	
Chloromethane	ug/L	<0.24	50	50	54.7	53.3	109	107	43-150	2	30	
cis-1,2-Dichloroethene	ug/L	<0.83	50	50	51.5	51.2	103	102	70-130	.6	30	
cis-1,3-Dichloropropene	ug/L	<0.19	50	50	47.0	47.4	94	95	70-130	.9	30	
Dibromochloromethane	ug/L	<0.81	50	50	45.1	45.6	90	91	70-130	1	30	
Ethylbenzene	ug/L	<0.54	50	50	53.0	53.9	106	108	70-136	2	30	
m&p-Xylene	ug/L	<1.8	100	100	100	105	100	105	70-137	5	30	
Methylene Chloride	ug/L	<0.43	50	50	56.6	57.3	113	115	70-130	1	30	
o-Xylene	ug/L	<0.83	50	50	46.7	47.7	93	95	70-130	2	30	
Styrene	ug/L	<0.86	50	50	33.6	45.7	67	91	70-130	31	30	M0,R1
Tetrachloroethene	ug/L	<0.45	50	50	46.6	46.4	93	93	70-130	.4	30	
Toluene	ug/L	<0.67	50	50	53.5	54.2	107	108	70-130	1	30	
trans-1,2-Dichloroethene	ug/L	<0.89	50	50	55.1	55.5	110	111	70-130	.6	30	
trans-1,3-Dichloropropene	ug/L	<0.19	50	50	45.3	45.5	91	91	70-130	.5	30	
Trichloroethene	ug/L	<0.48	50	50	53.2	53.8	106	108	70-130	1	30	

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.

1241 Bellevue Street

Green Bay, WI 54302

(920)469-2436

QUALITY CONTROL DATA

Project: 4195 HA'S CLEANERS

Pace Project No.: 407065

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:			59401		59402							
Parameter	Units	407055003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Max RPD	Qual
Vinyl chloride	ug/L	<0.18	50	50	50.9	50.7	102	101	62-138	.4	30	
4-Bromofluorobenzene (S)	%						110	107	64-132			
Dibromofluoromethane (S)	%						98	100	68-122			
Toluene-d8 (S)	%						110	110	73-127			



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QUALITY CONTROL DATA

Project: 4195 HA'S CLEANERS
Pace Project No.: 407065

QC Batch: MSV/2323	Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B	Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 407065003	

METHOD BLANK: 60200

Associated Lab Samples: 407065003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<25.0	60.0	
1,1,1-Trichloroethane	ug/kg	<25.0	60.0	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	60.0	
1,1,2-Trichloroethane	ug/kg	<25.0	60.0	
1,1-Dichloroethane	ug/kg	<25.0	60.0	
1,1-Dichloroethane	ug/kg	<25.0	60.0	
1,1-Dichloropropene	ug/kg	<25.0	60.0	
1,2,3-Trichlorobenzene	ug/kg	<25.0	60.0	
1,2,3-Trichloropropane	ug/kg	<25.0	60.0	
1,2,4-Trichlorobenzene	ug/kg	<25.0	60.0	
1,2,4-Trimethylbenzene	ug/kg	<25.0	60.0	
1,2-Dibromo-3-chloropropane	ug/kg	<82.3	250	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	60.0	
1,2-Dichlorobenzene	ug/kg	<44.4	60.0	
1,2-Dichloroethane	ug/kg	<25.0	60.0	
1,2-Dichloropropane	ug/kg	<25.0	60.0	
1,3,5-Trimethylbenzene	ug/kg	<25.0	60.0	
1,3-Dichlorobenzene	ug/kg	<25.0	60.0	
1,3-Dichloropropane	ug/kg	<25.0	60.0	
1,4-Dichlorobenzene	ug/kg	<25.0	60.0	
2,2-Dichloropropane	ug/kg	<25.0	60.0	
2-Chlorotoluene	ug/kg	<25.0	60.0	
4-Chlorotoluene	ug/kg	<25.0	60.0	
Benzene	ug/kg	<25.0	60.0	
Bromobenzene	ug/kg	<25.0	60.0	
Bromochloromethane	ug/kg	<25.0	60.0	
Bromodichloromethane	ug/kg	<25.0	60.0	
Bromoform	ug/kg	<25.9	60.0	
Bromomethane	ug/kg	<25.0	60.0	
Carbon tetrachloride	ug/kg	<25.0	60.0	
Chlorobenzene	ug/kg	<25.0	60.0	
Chloroethane	ug/kg	<25.0	60.0	
Chloroform	ug/kg	<25.0	60.0	
Chloromethane	ug/kg	<25.0	60.0	
cis-1,2-Dichloroethene	ug/kg	<25.0	60.0	
cis-1,3-Dichloropropene	ug/kg	<25.0	60.0	
Dibromochloromethane	ug/kg	<25.0	60.0	
Dibromomethane	ug/kg	<25.0	60.0	
Dichlorodifluoromethane	ug/kg	<25.0	60.0	
Diisopropyl ether	ug/kg	<25.0	60.0	
Ethylbenzene	ug/kg	<25.0	60.0	
Hexachloro-1,3-butadiene	ug/kg	<26.4	60.0	
Isopropylbenzene (Cumene)	ug/kg	<25.0	60.0	

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1241 Bellevue Street

Green Bay, WI 54302

(920)469-2436

QUALITY CONTROL DATA

Project: 4195 HA'S CLEANERS

Pace Project No.: 407065

METHOD BLANK: 60200

Associated Lab Samples: 407065003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
m&p-Xylene	ug/kg	<25.0	120	
Methyl-tert-butyl ether	ug/kg	<25.0	60.0	
Methylene Chloride	ug/kg	<25.0	60.0	
n-Butylbenzene	ug/kg	<40.4	60.0	
n-Propylbenzene	ug/kg	<25.0	60.0	
Naphthalene	ug/kg	<25.0	60.0	
o-Xylene	ug/kg	<25.0	60.0	
p-Isopropyltoluene	ug/kg	<25.0	60.0	
sec-Butylbenzene	ug/kg	<25.0	60.0	
Styrene	ug/kg	<25.0	60.0	
tert-Butylbenzene	ug/kg	<25.0	60.0	
Tetrachloroethane	ug/kg	<25.0	60.0	
Toluene	ug/kg	<25.0	60.0	
trans-1,2-Dichloroethene	ug/kg	<25.0	60.0	
trans-1,3-Dichloropropene	ug/kg	<25.0	60.0	
Trichloroethane	ug/kg	<25.0	60.0	
Trichlorofluoromethane	ug/kg	<25.0	60.0	
Vinyl chloride	ug/kg	<25.0	60.0	
4-Bromofluorobenzene (S)	%	108	64-133	
Dibromofluoromethane (S)	%	112	64-140	
Toluene-d8 (S)	%	109	67-139	

LABORATORY CONTROL SAMPLE & LCSD: 60201

60202

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	2530	2570	101	103	75-125	1	20	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2410	2610	97	104	75-125	8	20	
1,1,2-Trichloroethane	ug/kg	2500	2430	2550	97	102	75-125	5	20	
1,1-Dichloroethane	ug/kg	2500	2420	2480	97	99	75-125	2	20	
1,1-Dichloroethane	ug/kg	2500	2750	2780	110	111	54-149	.9	20	
1,2-Dichloroethane	ug/kg	2500	2530	2640	101	106	75-125	4	20	
1,2-Dichloropropane	ug/kg	2500	2410	2410	96	97	75-125	.4	20	
Benzene	ug/kg	2500	2380	2410	95	97	75-125	2	20	
Bromodichloromethane	ug/kg	2500	2480	2480	100	99	75-125	.2	20	
Bromoform	ug/kg	2500	2410	2550	96	102	72-125	6	20	
Bromomethane	ug/kg	2500	2470	2530	99	101	40-159	3	20	
Carbon tetrachloride	ug/kg	2500	2580	2590	103	104	75-125	1	20	
Chlorobenzene	ug/kg	2500	2520	2510	101	100	75-125	.5	20	
Chloroethane	ug/kg	2500	2440	2440	98	98	40-179	.3	20	
Chloroform	ug/kg	2500	2450	2470	98	99	75-125	.7	20	
Chloromethane	ug/kg	2500	1970	1970	79	79	42-125	.3	20	
cis-1,2-Dichloroethene	ug/kg	2500	2470	2470	99	99	75-125	.06	20	
cis-1,3-Dichloropropene	ug/kg	2500	2500	2560	100	102	75-125	2	20	
Dibromochloromethane	ug/kg	2500	2610	2660	104	106	75-125	2	20	
Ethylbenzene	ug/kg	2500	2680	2660	108	107	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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1241 Bellevue Street
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 4195 HA'S CLEANERS

Pace Project No.: 407065

LABORATORY CONTROL SAMPLE & LCSD: 60201			60202							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
m&p-Xylene	ug/kg	5000	5530	5530	111	111	75-127	.02	20	
Methylene Chloride	ug/kg	2500	2660	2710	106	108	58-144	2	20	
o-Xylene	ug/kg	2500	2760	2750	111	110	75-125	.7	20	
Styrene	ug/kg	2500	2510	2530	100	101	75-130	1	20	
Tetrachloroethene	ug/kg	2500	2550	2630	102	105	75-125	3	20	
Toluene	ug/kg	2500	2590	2580	104	103	75-125	.4	20	
trans-1,2-Dichloroethene	ug/kg	2500	2420	2510	97	100	75-125	3	20	
trans-1,3-Dichloropropene	ug/kg	2500	2580	2730	103	109	75-125	6	20	
Trichloroethene	ug/kg	2500	2490	2550	100	102	75-125	2	20	
Vinyl chloride	ug/kg	2500	2100	2150	84	86	49-125	2	20	
4-Bromofluorobenzene (S)	%				108	107	64-133			
Dibromofluoromethane (S)	%				107	105	64-140			
Toluene-d8 (S)	%				109	107	67-139			





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QUALIFIERS

Project: 4195 HA'S CLEANERS
Pace Project No.: 407065

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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.

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

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

BATCH QUALIFIERS

Batch: MSV/2324

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

ANALYTE QUALIFIERS

M0 Matrix spike recovery was outside laboratory control limits.

R1 RPD value was outside control limits.

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

pH Post-analysis pH measurement indicates insufficient VOA sample preservation.



Sample Condition Upon Receipt

Client Name: MoraineProject # 407065Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ noPacking Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____Thermometer Used N/AType of Ice: Wet Blue None ☐ Samples on ice, cooling process has begunCooler Temperature 207

Biological Tissue Is Frozen: Yes No

Date and Initials of person examining contents: 7/20/08 JES

Temp should be above freezing to 6°C

Comments:

Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	1.
Chain of Custody Filled Out:	☒ Yes ☐ No ☐ N/A	2.
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	3.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time:	☒ Yes ☐ No ☐ N/A	5.
Short Hold Time Analysis (<72hr):	☐ Yes ☒ No ☐ N/A	6.
Rush Turn Around Time Requested:	☐ Yes ☒ No ☐ N/A	7.
Sufficient Volume:	☒ Yes ☐ No ☐ N/A	8.
Correct Containers Used:	☒ Yes ☐ No ☐ N/A	9.
Pace Containers Used:	☒ Yes ☐ No ☐ N/A	
Containers Intact:	☒ Yes ☐ No ☐ N/A	10.
Filtered volume received for Dissolved tests	☐ Yes ☐ No ☒ N/A	11.
Sample Labels match COC:	☒ Yes ☐ No ☐ N/A	12.
-Includes date/time/ID/Analysis Matrix:		
All containers needing preservation have been checked.	☐ Yes ☐ No ☒ N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐ Yes ☐ No ☒ N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐ Yes ☐ No	Initial when completed
		Lot # of added preservative
Samples checked for dechlorination:	☐ Yes ☐ No ☒ N/A	14.
Headspace in VOA Vials (>6mm):	☐ Yes ☐ No ☒ N/A	15.
Trip Blank Present:	☐ Yes ☐ No ☒ N/A	16.
Trip Blank Custody Seals Present	☐ Yes ☐ No ☒ N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted: _____

Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____

Date: 7/31/08

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

(Please Print Clearly)

Company Name: Moraine Environmental
 Branch/Location: Grafton WI
 Project Contact: Tom Sweet
 Phone: (262) 377-9060
 Project Number: 4195
 Project Name: HA's Cleaners
 Project State: WI
 Sampled By (Print): Steve R Rospiach
 Sampled By (Sign): *Steve R Rospiach*
 PO #:



CHAIN OF CUSTODY

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)*

N N N
 B F A
 VOCs VOCs Dry Weight

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

MSMSD
☐ 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=OI SW=Surface Water
 S=Soil WW=Waste Water
 SI=Sludge WP=Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	B1 Temp Well	7/29		GW
002	B2 Temp Well	7/29		GW
003	B3 - Interior Soil	7/29		S

Quote #:

Mail To Contact: Tom Sweet
 Mail To Company: Moraine Environmental
 Mail To Address: 1402 7th Ave
 Grafton WI 53024

Invoice To Contact:

Invoice To Company:

Invoice To Address:

Invoice To Phone:

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

4 vials 4-40mIP
 3 vials 3-40mIP
 1 vial 1 DW 1-40mIF 1-402poly #

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

Requisitioned By: *Steve R Rospiach* Date/Time: 7/30/08 1100
 Requisitioned By: *D. Fennell* Date/Time: 7/30/08 1150
 Requisitioned By: *D. Fennell* Date/Time: 7/30/08 1150
 Requisitioned By: *D. Fennell* Date/Time: 7/30/08 1150
 Requisitioned By: *D. Fennell* Date/Time: 7/30/08 1150
 Requisitioned By: *D. Fennell* Date/Time: 7/30/08 1150

Received By: *D. Fennell* Date/Time: 7/30/08 1145
 Received By: *D. Fennell* Date/Time: 7/30/08 1150
 Received By: *D. Fennell* Date/Time: 7/30/08 1150
 Received By: *D. Fennell* Date/Time: 7/30/08 1150
 Received By: *D. Fennell* Date/Time: 7/30/08 1150
 Received By: *D. Fennell* Date/Time: 7/30/08 1150

PACE Project No. 407065

Receipt Temp = *Re* °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact