

**SAMPLE PRESERVATION VARIANCES AND VALIDATION  
MN BIO BUSINESS CENTER  
ROCHESTER, MN**

Sample ID	Variance	Matrix	Collected	Received by Lab	Dwell Time	On Ice	Preservative	Validation Rationale
B-7	Temp - 7 deg C	Soil	12/12/07 @ 1300	12/12/07 @ 1640	3 hrs 40 min	Yes	Methanol	Sample results are valid because the soil sample did not have enough time to cool to
LGP-4	Temp - 7 deg C	Soil	12/12/07 @ 1400	12/12/07 @ 1640	3 hrs 40 min	Yes	Methanol	Sample results are valid because the soil sample did not have enough time to cool to
219-FL-8	Temp - 15.8 deg C	Soil	1/23/08 @ 1000	1/23/08 @ 1725	7 hrs 25 min	No	Methanol	Sample results are valid because the soil sample was preserved with methanol. In addition, the parameters analyzed were either not detected or were significantly below the MPCA Tier 2 Industrial SRVs.
219-SW-10	Temp - 15.8 deg C	Soil	1/23/08 @ 1000	1/23/08 @ 1725	7 hrs 25 min	No	Methanol	Sample results are valid because the soil sample was preserved with methanol. In addition, the parameters analyzed were either not detected or were significantly below the MPCA Tier 2 Industrial SRVs.
223-FL-1	Temp - 13 deg C	Soil	12/26/07 @ 1245	12/26/07 @ 1710	4 hrs 25 min	Yes	Methanol	Sample results are valid because the soil sample did not have enough time to cool to ideal temperature during transit time to lab, and the sample was preserved with methanol.
223-FL-2	Temp - 13 deg C	Soil	12/26/07 @ 1300	12/26/07 @ 1710	4 hrs 10 min	Yes	Methanol	Sample results are valid because the soil sample did not have enough time to cool to ideal temperature during transit time to lab, and the sample was preserved with methanol.
223-FL-3	Temp - 10.8 deg C	Soil	12/27/07 @ 1200	12/27/07 @ 1515	5 hrs 15 min	Yes	Methanol	Sample results are valid because the soil sample did not have enough time to cool to ideal temperature during transit time to lab, and the sample was preserved with methanol.
223-FL-4	Temp - 17.3 deg C	Soil	12/28/07 @ 1000	12/28/07 @ 1420	4 hrs 20 min	Yes	Methanol	Sample results are valid because the soil sample did not have enough time to cool to ideal temperature during transit time to lab, and the sample was preserved with methanol.
223-FL-5	Temp - 17.3 deg C	Soil	12/28/07 @ 1000	12/28/07 @ 1420	4 hrs 20 min	Yes	Methanol	Sample results are valid because the soil sample did not have enough time to cool to ideal temperature during transit time to lab, and the sample was preserved with methanol.

**SAMPLE PRESERVATION VARIANCES AND VALIDATION  
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ROCHESTER, MN**

Sample ID	Variance	Matrix	Collected	Received by Lab	Dwell Time	On Ice	Preservative	Validation Rationale
223-SW-3	Temp - 10.8 deg C	Soil	12/27/07 @ 1200	12/27/07 @ 1515	5 hrs 15 min	Yes	Methanol	Sample results are valid because the soil sample did not have enough time to cool to ideal temperature during transit time to lab, and the sample was preserved with methanol.
223-SW-4	Temp - 10.8 deg C	Soil	12/27/07 @ 1200	12/27/07 @ 1515	5 hrs 15 min	Yes	Methanol	Sample results are valid because the soil sample did not have enough time to cool to ideal temperature during transit time to lab, and the sample was preserved with methanol.
223-LDF-3	Temp - 13 deg C	Soil	12/26/07 @ 1330	12/26/07 @ 1710	3 hrs 40 min	Yes	Methanol	Sample results are valid because the soil sample did not have enough time to cool to ideal temperature during transit time to lab, and the sample was preserved with methanol.
223-LDF-4	Temp - 13 deg C	Soil	12/26/07 @ 1330	12/26/07 @ 1710	3 hrs 40 min	Yes	Methanol	Sample results are valid because the soil sample did not have enough time to cool to ideal temperature during transit time to lab, and the sample was preserved with methanol.
223-LDF-5	Temp - 17.3 deg C	Soil	12/28/07 @ 1000	12/28/07 @ 1420	4 hrs 20 min	Yes	Methanol	Sample results are valid because the soil sample did not have enough time to cool to ideal temperature during transit time to lab, and the sample was preserved with methanol.
223-LDF-6	Temp - 14.2 deg. C	Soil	1/7/08 @ 1300	1/8/08 @ 1545	26 hrs 45 min	Yes	Methanol	The results for this sample are valid because the sample was preserved with HCL, and an attempt to preserve the sample temperature was made by keeping the sample on ice. In addition, soil represented by this sample went to a Subtitle D Landfill for disposal preventing any future exposure.
Drilling Water Dup	Temp - 20.1 deg. C	Water	2/11/08 @ 1100	2/13/2008 @ 1155	48 hrs 55 min	No	Hydrochloric Acid	Original sample, Drilling Water, and Drilling Water Dup were analyzed by onsite mobile lab within 1 hour of sample collection. The fixed-based and mobile lab results are similar; therefore, the results of this sample are valid. In addition, the sample was preserved with HCL and sealed without any headspace.

**SAMPLE PRESERVATION VARIANCES AND VALIDATION  
MN BIO BUSINESS CENTER  
ROCHESTER, MN**

Sample ID	Variance	Matrix	Collected	Received by Lab	Dwell Time	On Ice	Preservative	Validation Rationale
Drilling Water 2	None	Water	2/14/08 @ 1700	2/15/2008 @ 0910	16 hrs 10 min	Yes	Hydrochloric Acid	Sample temperature was 0.9 deg. C (see Chain of Custody) when received by lab, not 10.9 deg. C as indicated in the 8/5/08 email from the MPCA. Therefore, this sample did not have a sample preservation variance.



# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

1068058

<b>Section A</b> Required Client Information: Company: <b>LANDMARK</b> Address: <b>2042 W 98th St.</b> <b>Bloomington, MN</b> Email To: _____ Phone: <b>952 888 8101</b> Fax: _____ Requested Due Date/TIME: <b>RA Standard</b>		<b>Section B</b> Required Project Information: Report To: <b>CRC</b> Copy To: _____ Purchase Order No.: _____ Project Name: _____ Project Number: _____		<b>Section C</b> Invoice Information: Attention: <b>CRC</b> Company Name: _____ Address: <b>Rocheville</b> Pace Order Reference: _____ Pace Project Manager: _____ Pace Profile #: _____		Page: _____ of _____ Invoice #: <b>1194374</b>	
<b>Section D</b> Required Client Information Matrix Codes DW Drinking Water WT Waste Water P Product SL Soil/Solid OL Oil WP Air AR Air TS Tissue OT Other  <b>SAMPLE ID</b> (A-Z, 0-9 / / ) Sample IDs MUST BE UNIQUE		Matrix Code DW WT P SL OL WP AR TS OT		Matrix Code DW WT P SL OL WP AR TS OT		Matrix Code DW WT P SL OL WP AR TS OT	
ITEM #	MATRIX CODE (see valid codes to left)	DATE	TIME	DATE	TIME	DATE	TIME
1	CRC-1W-1	Feb 11	4pm				
2	CRC-1W-2	Feb 11	4pm				
3	CRC-1W-3	Feb 11	4pm				
4	CRC-2W-1	Feb 13	8am				
5	CRC-2W-2	Feb 13	8am				
6	CRC-2W-3	Feb 13	8am				
7							
8							
9							
10							
11							
12							
ADDITIONAL COMMENTS: <b>See SURT request for details via email by S. Stemstad - CRMS 2/13/08</b>							
SAMPLE CONDITIONS: <b>2/13/08 11:55 201 N W Y</b>							
Residual Chlorine (Y/N) _____ Received on Ice (Y/N) _____ Sealed Cooler (Y/N) _____ Samples Intact (Y/N) _____							
Temp in °C _____ Pace Project No./ Lab ID: _____							
Pressurized: _____ Unpreserved: _____ H <sub>2</sub> O <sub>2</sub> : _____ HNO <sub>3</sub> : _____ HCl: _____ NaOH: _____ Na <sub>2</sub> S <sub>2</sub> O <sub>8</sub> : _____ Methanol: _____ Other: _____							
# OF CONTAINERS: _____ SAMPLE TEMP AT COLLECTION: _____							
COLLECTED: _____ COURTESY ENDORSE: _____							
SIGNATURE OF SAMPLER: <b>A. M. Roke</b> DATE SIGNED (MM/DD/YYYY): <b>Feb 13, 08</b>							
ORIGINAL							

\*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to rate charges of 1.5% per month for any invoices not paid within 30 days.



# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

1068058

**Section A**  
 Required Client Information:  
 Company: **LANDMARK**  
 Address: **2048 W 9th St**  
 City: **Blomington, MN**  
 State: **55108**  
 Phone: **612 897 8001**  
 Fax: **612 897 8001**  
 Responsible Director: **Pat**

**Section B**  
 Required Project Information:  
 Report To: **CRE Jason Skamstad**  
 Copy To: **CRE Jason Skamstad**  
 Purchase Order No.: **MN B10 Business Center**  
 Project Name: **06062.04**

**Section C**  
 Invoice Information:  
 Invoice No.: **1194374**  
 Company Name: **LANDMARK ENV**  
 Address: **10000 1st Avenue S**  
 City: **Blomington, MN**  
 State: **55108**  
 Phone: **612 897 8001**  
 Fax: **612 897 8001**  
 Responsible Director: **Pat**

Page: **1** of **1**

NPDES  GROUND WATER  DRINKING WATER   
 LIST  RCRA  OTHER

ITEM #	SAMPLE ID	Matrix Codes MATRIX / CODE	SAMPLE TYPE (G-GRAB ChOMP)	COLLECTED		PRESERVATIVES	Temp in °C	Received on Ice (Y/N)	Quoted Cooling (Y/N)	Samples Introl (Y/N)
				COMPOSITE START	COMPOSITE END					
1	CRC-1W-1	Drinking Water P WV	W	Feb 11 4pm	Feb 11 4pm	Unpreserved				
2	CRC-1W-2	Drinking Water P WV	W	Feb 11 4pm	Feb 11 4pm	Unpreserved				
3	CRC-1W-3	Drinking Water P WV	W	Feb 11 4pm	Feb 11 4pm	Unpreserved				
4	CRC-2W-1	Drinking Water P WV	W	Feb 13 8am	Feb 13 8am	Unpreserved				
5	CRC-2W-2	Drinking Water P WV	W	Feb 13 8am	Feb 13 8am	Unpreserved				
6	CRC-2W-3	Drinking Water P WV	W	Feb 13 8am	Feb 13 8am	Unpreserved				
7	DRINKING WATER 2K									

**Section D**  
 Required Client Information:  
 Sample ID: **06062.04**  
 Sample Name: **DRINKING WATER 2K**  
 Matrix Code: **WV**  
 Sample Type: **W**  
 Date: **2/13/09**  
 Time: **10:15 AM**  
 Location: **10000 1st Avenue S, Blomington, MN**  
 Collector: **Pat**  
 Date of Collection: **2/13/09**  
 Time of Collection: **10:15 AM**  
 Location of Collection: **10000 1st Avenue S, Blomington, MN**  
 Date of Analysis: **Feb 17, 08**  
 Analyst: **Pat**  
 Signature: **Pat**  
 Date of Report: **Feb 17, 08**

**Section E**  
 Additional Comments:  
 Revised by Jason Skamstad

**Section F**  
 Remunished by: **Pat**  
 Date: **2/13/09**  
 Time: **10:15 AM**  
 Location: **10000 1st Avenue S, Blomington, MN**

**Section G**  
 Additional Comments:  
 ORIGINAL

**Section H**  
 Signature of Sampler: **Pat**  
 Date of Sample: **Feb 17, 08**

**Section I**  
 Signature of Sampler: **Pat**  
 Date of Sample: **Feb 17, 08**

**Section J**  
 Signature of Sampler: **Pat**  
 Date of Sample: **Feb 17, 08**

**Section K**  
 Signature of Sampler: **Pat**  
 Date of Sample: **Feb 17, 08**

**Section L**  
 Signature of Sampler: **Pat**  
 Date of Sample: **Feb 17, 08**

**Section M**  
 Signature of Sampler: **Pat**  
 Date of Sample: **Feb 17, 08**

**Section N**  
 Signature of Sampler: **Pat**  
 Date of Sample: **Feb 17, 08**

**Section O**  
 Signature of Sampler: **Pat**  
 Date of Sample: **Feb 17, 08**

**Section P**  
 Signature of Sampler: **Pat**  
 Date of Sample: **Feb 17, 08**

**Section Q**  
 Signature of Sampler: **Pat**  
 Date of Sample: **Feb 17, 08**

**Section R**  
 Signature of Sampler: **Pat**  
 Date of Sample: **Feb 17, 08**

**Section S**  
 Signature of Sampler: **Pat**  
 Date of Sample: **Feb 17, 08**

**Section T**  
 Signature of Sampler: **Pat**  
 Date of Sample: **Feb 17, 08**

**Section U**  
 Signature of Sampler: **Pat**  
 Date of Sample: **Feb 17, 08**

**Section V**  
 Signature of Sampler: **Pat**  
 Date of Sample: **Feb 17, 08**

**Section W**  
 Signature of Sampler: **Pat**  
 Date of Sample: **Feb 17, 08**

**Section X**  
 Signature of Sampler: **Pat**  
 Date of Sample: **Feb 17, 08**

**Section Y**  
 Signature of Sampler: **Pat**  
 Date of Sample: **Feb 17, 08**

**Section Z**  
 Signature of Sampler: **Pat**  
 Date of Sample: **Feb 17, 08**

1068058

**From:** "Jason Skramstad" <jskramstad@landmarkenv.com>  
**To:** "Carolynne Trout" <Carolynne.Trout@pacelabs.com>  
**Date:** 2/13/2008 2:56:41 PM  
**Subject:** RE: CRC samples received today 11:55

Carolynne,

Attached is the revised COC that you requested. As I mentioned, I changed the name of the samples to match the naming system used with the mobile lab that we had on site. Please proceed with analysis of the "Drilling Water DUP" sample even though the samples were received outside the regulatory temperature upper limit. This sample is OK to run because it was also already analyzed by an on-site mobile lab. However, please hold "Drilling Water 2" sample, we are going to have to resample this one and get it to you within the correct temperature range. Also, I thought I would let you know that it is my understanding none of the vials had a preservative in them.

Thanks.

Jason

-----Original Message-----

**From:** Carolynne Trout [mailto:Carolynne.Trout@pacelabs.com]  
**Sent:** Wednesday, February 13, 2008 12:29 PM  
**To:** jskramstad@landmarkenv.com  
**Subject:** CRC samples received today 11:55

Hi Jason,

COC is attached for samples received today from Anne Radke. Please let me know what analyses you need. If you would like to send the completed COC back to me that would be great. Please note- we received a total of 6 40 ml vials. 3 are preserved with HCL and 3 are unpreserved. Each vial is listed as a separate line item on the COC.

Also please note, the samples were received outside the regulatory temperature upper limit of 6 degrees C at 20.1 degrees C. Anne removed the samples from the cooler herself upon arrival at Pace so we were not able to record the cooler receipt information (type of ice, packing material, etc) There was no temperature blank so the temperature was taken from one of the samples with the IR thermometer. We'd like your acknowledgement that we should proceed with analysis.

Thanks,  
Carolynne

Carolynne Trout  
Project Manager  
Pace Analytical Services, Inc.  
1700 Elm St. Suite 200  
Minneapolis, MN 55414  
612-607-6351

**Sample Condition Upon Receipt**



Client Name: LAND MARK

Project # 1068058

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 FRAMIE

Thermometer Used 230194010, 72246426 Type of Ice: Wet Blue None  Samples on Ice, cooling process has begun

Cooler Temperature 20.1°C Biological Tissue Is Frozen: Yes No

Temp should be above freezing to 6°C

Comments:

Date and Initials of person explaining contents: 2/13/08 *[Signature]*

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

**Client Notification/ Resolution:**

Field Data Required? Y / N

Person Contacted: Jason Skramstad Date/Time: 2/13/08

Comments/ Resolution: Proceed with analysis despite temperature. Jason also emailed revised COC. See email correspondence attached. Analyze only Drilling Water DUP (1st 3 on COC) see corrected COC from Jason Skramstad. Dispose of Drilling Water 2 - it will be resampled.

Sample ID for Drilling Water Dup changed coll date to 2/8/08 per J. Skramstad  
 Project Manager Review: CTrust Date: 2/13/08 CT 3/4/08 see attached

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)

**From:** "Jason Skramstad" <jskramstad@landmarkenv.com>  
**To:** "Carolynne Trout" <Carolynne.Trout@pacelabs.com>  
**Date:** 3/4/2008 1:26:45 PM  
**Subject:** Report 1068058

Carolynne,

I just noticed that we had the wrong sample date on the chain of custody for "Drilling Water Dup" on report #1068058. The date collected for this sample should be February 8, not February 11, as shown on the chain. Please make this change and email me the updated final report.

Thanks.

Jason D. Skramstad, PE

Senior Environmental Engineer

Landmark Environmental, LLC

2042 West 98th Street

Bloomington, MN 55431

office: (952) 887-9601 x205

fax: (952) 887-9605

cell: (651) 717-8885

<mailto:jskramstad@landmarkenv.com> jskramstad@landmarkenv.com

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This email has been scanned by the MessageLabs Email Security System.  
For more information please visit <http://www.messagelabs.com/email>

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**CC:** <annemarie.radke@gmail.com>



# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

**Face Analytical**  
www.faceanals.com  
Email: info@faceanals.com  
Phone: 800-451-1111

1066019

**Section A** Required Client Information:  
 Company: LANDMARK  
 Address: 2042 W 98th St  
 Email To: Bloomington, MN  
 Project Name: *Agaba...*  
 Requested Due Date (A/T): *Wed 12/12/07*

**Section B** Required Project Information:  
 Report To:  
 Copy To:  
 Purchase Order No.:  
 Project Name:

**Section C** Invoice Information:  
 Attention: CCR  
 Company Name:  
 Address: Rochester, MN  
 Pace Quote Reference:  
 Pace Project Manager:  
 Pace Profile #:

**REGULATORY AGENCY**  
 NPDES  GROUND WATER  DRINKING WATER  
 UST  RCRA  OTHER

Site Location: *Rochester, MN*  
 STATE: *MN*

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
				COMPOSITE START	COMPOSITE END/GRAS						
				DATE	TIME	DATE	TIME				
1	223-LDF-6	DW	G	5/17/08	4						1066019001
2		WT									
3		WW									
4		P									
5		SL									
6		OL									
7		WP									
8		AR									
9		TS									
10		OT									
11											
12											

**ADDITIONAL COMMENTS**  
*at 1000*  
*temp 100*

**RELINQUISHED BY / AFFILIATION**  
*A. Rader*  
 DATE: *Jan 5, 2008*

**ACCEPTED BY / AFFILIATION**  
*[Signature]*  
 DATE: *1/8/08 15:45:14-2 Y*

**SAMPLE CONDITIONS**  
 Custody Sealed Cooler (Y/N): *2*  
 Received on Ice (Y/N): *Y*  
 Temp in °C: *Y*

**SAMPLER NAME AND SIGNATURE**  
 PRINT Name of SAMPLER: *Ana Rader*  
 SIGNATURE of SAMPLER: *[Signature]*  
 DATE Signed (MM/DD/YY): *Jan 9, 2008*

**ORIGINAL**

\*Important Note: By signing this form you are accepting Face's NET 30 day payment terms and agreeing to face charges of 1.5% per month for any invoices not paid within 30 days.



# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

1065018

### Section A Required Client Information:

Company: Landmark Environmental      Report To: JASON KRAMSTAD      Section B Required Project Information:      Invoice Information:      Page: \_\_\_\_\_ of \_\_\_\_\_

Address: 2042 West 98th St      Copy To: \_\_\_\_\_      Project Information:      Project Information:      1158025

Email To: 15 Kraus St And 1st Ave, Lakewood, CO      Purchase Order No.: CRC-07      Regulatory Agency: NPDES  GROUND-WATER  DRINKING WATER      UST  RCRA  OTHER \_\_\_\_\_

Phone: 303-887-9601      Fax: 303-887-9603      Project Name: City of Rochester      Site Location: \_\_\_\_\_      State: \_\_\_\_\_

Requested Due Date/FAX: 12-19-07      Project Number: CRC-06062-04      Pace Profile #: \_\_\_\_\_

### Section B Required Project Information:

Company Name: \_\_\_\_\_      Attention: \_\_\_\_\_

Address: \_\_\_\_\_

Pace Quote Reference: \_\_\_\_\_

Pace Project Manager: \_\_\_\_\_

Pace Profile #: \_\_\_\_\_

### Section C Requested Analysis Filtered (Y/N)

Matrix Codes MATRIX / CODE	Requested Analysis Filtered (Y/N)
DW	
WT	
WW	
P	
SL	
OL	
WP	
AR	
TS	
OT	

### Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / -)

Sample IDs MUST BE UNIQUE

Matrix Codes MATRIX / CODE

Drinking Water DW

Water WT

Waste Water WW

Product P

Soil/Solid SL

Oil OL

Wipe WP

Air AR

Tissue TS

Other OT

### Section E Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (A-Z, 0-9 / -)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		# OF CONTAINERS	PRESERVATIVES	ANALYSIS TEST	RESIDUAL CHLORINE (Y/N)	FACE PROJECT NO. / LAB I.D.
				COMPOSITE START	COMPOSITE END/GRAB					
1	UST1-North	SL G	G	12-13-07 1140	35	3	Na2S2O8 HCl HNO3 H2SO4 Unpreserved	X X X X	X	001
2	UST1-South	SL G	G	12-13-07 1150	35	3	Na2S2O8 HCl HNO3 H2SO4 Unpreserved	X X X X	X	002
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

### Section F Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (A-Z, 0-9 / -)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		# OF CONTAINERS	PRESERVATIVES	ANALYSIS TEST	RESIDUAL CHLORINE (Y/N)	FACE PROJECT NO. / LAB I.D.
				COMPOSITE START	COMPOSITE END/GRAB					
1	UST1-North	SL G	G	12-13-07 1140	35	3	Na2S2O8 HCl HNO3 H2SO4 Unpreserved	X X X X	X	001
2	UST1-South	SL G	G	12-13-07 1150	35	3	Na2S2O8 HCl HNO3 H2SO4 Unpreserved	X X X X	X	002
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

### ADDITIONAL COMMENTS

RELINQUISHED BY / AFFILIATION: Jerry Muller      DATE: 12-14-07 12:30

ACCEPTED BY / AFFILIATION: [Signature]      DATE: 12-14-07 13:05

SAMPLE CONDITIONS: Y      Sealed Cooler (Y/N): N      Received on Ice (Y/N): Y      Temp in °C: \_\_\_\_\_      Samples Intact (Y/N): \_\_\_\_\_

### SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jerry Muller      DATE Signed (MM/DD/YY): 12-14-07

SIGNATURE of SAMPLER: [Signature]

\*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

1064824

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: <b>LANDMARK</b>		Report To: <b>JASON SKAGASTAD</b>		Attention: <b>JASON SKAGASTAD</b>	
Address: 2012 W 88th St Bloomington, MN		Copy To: <b>ERIC GABRIELSON</b>		Company Name: <b>LANDMARK</b>	
Email To: jskagastad@landmarkenv.com		Purchase Order No.: <b>CAC</b>		Address: <b>LANDMARK</b>	
Phone: 952 887 9601		Project Name: <b>MN Bio Business Center</b>		REGULATORY AGENCY: <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input checked="" type="checkbox"/> OTHER	
Requested Due Date/TAT: <b>12/14/07</b>		Project Number: <b>CAC</b>		Site Location: <b>MN</b>	
				STATE: _____	

ITEM #	Section D Required Client Information		MATRIX CODE (see field codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives H <sub>2</sub> SO <sub>4</sub> HNO <sub>3</sub> HCl NaOH Na <sub>2</sub> O <sub>2</sub> Methanol Other	Requested Analysis Filtered (Y/N)	Pace Project No./ Lab I.D.
	MATRIX CODE Drinking Water (DW) Waste Water (WT) Product (P) Soil/Solid (SL) Oil (OL) Wipe (WP) Air (AR) Tissue (TS) Other (OT)	COMPOSITE START DATE TIME			COMPOSITE END/GRAB DATE TIME						
1	LCP-4 (2 ft)		SL G	G	12/12/07	1400		1	Unpreserved	X	001
2	B-7 (13-16 ft)		SL G	G	12/12/07	1300		1	Unpreserved	X	002
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
PUSH TURNAROUND		<i>Eric Gabrielson</i>	12/12/07	1400pm	<i>Jason Skagastad</i>	12/12/07	1640	Y N Y
Temp in °C		Received on	Custody	Sealed Cooler	Samples Intact			
SAMPLER NAME AND SIGNATURE		PRINT Name of SAMPLER:	SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YYYY):			
ORIGINAL		JASON SKAGASTAD	<i>Jason Skagastad</i>		12/12/07			

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