ANALYTICAL REPORT

Job Number: 460-6741-1

Job Description: Missouri DNR Hexavalent Chromium

For:
Missouri Department of Natural Resources
Environmental Services Program
2710 W Main Street
Jefferson City, MO 65109

Attention: Mr. Ron Heckman

Preliminary Data

Designee for
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Project Manager I
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11/30/2009

cc: Mr. Chris Boldt

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Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

General Chemistry
Method(s) 7199: All of the samples were homogenized following the Japanese two dimensional slab cake method prior to digestion.

The following samples were digested by method 3060a and analyzed by method 7199 at a 2 fold dilution as per client request. The digestates were very dark in color and the 2 fold dilution was insufficient at removing the matrix interference thus causing multiple issues on the analytical run. The digestates were re-analyzed several times at a 5 fold dilution in an attempt to minimize the matrix interference, however, several of the issues persisted. These include: matrix spike soluble/insoluble/post spike recoveries outside of the acceptable range (see pages 112-116), duplicate recoveries outside of the acceptable range (see pages 117-118), laboratory control sample recoveries outside of the acceptable range (see pages 119-122), and continuing calibration verifications outside of the acceptable range (see pages 108-110). The method blank results greater than the MDL (see page 111) are due to carryover from previous samples. In addition, the RPD between duplicate injections for some samples was greater than 20%. The client was notified of these issues and the lab was instructed to stop all analyses and report the data available. Some samples are reported with both a 2 fold and 5 fold dilution and others are reported with only a 5 fold dilution.

No other analytical or quality issues were noted.

Preliminary Data

CASE NARRATIVE

Client: Missouri Department of Natural Resources

Project: Missouri DNR Hexavalent Chromium

Report Number: 460-6741-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 10/14/2009; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.0 C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

HEXAVALENT CHROMIUM
Samples 460-6741-1 through 460-6741-17 were analyzed for hexavalent chromium in accordance with EPA SW-846 Method 7199. The samples were prepared on 10/26/2009 and analyzed on 10/27/2009, 10/28/2009, 10/29/2009 and 11/03/2009.

Chromium (hexavalent) was detected in method blank MB 460-20674/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Chromium (hexavalent) was detected in method blank MB 460-20676/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been

flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Chromium (hexavalent) and Chromium (hexavalent) were detected in method blank MB 460-20678/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Chromium (hexavalent) was detected in method blank MB 460-20679/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Chromium (hexavalent) was detected in method blank MB 460-20679/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Chromium (hexavalent) was detected in method blank MB 460-20680/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Chromium (hexavalent) and Chromium (hexavalent) were detected in method blank MB 460-20681/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Chromium (hexavalent) was detected in method blank MB 460-20682/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Chromium (hexavalent) was detected in method blank MB 460-20683/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Chromium (hexavalent) was detected in method blank MB 460-20683/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Chromium (hexavalent) was detected in method blank MB 460-20684/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

Chromium (hexavalent) failed the recovery criteria low for LCS 460-20680/2-A. Chromium (hexavalent) failed the recovery criteria low for LCSI 460-20678/3-A. Chromium (hexavalent) failed the recovery criteria low for LCSI 460-20679/3-A. Chromium (hexavalent) failed the recovery criteria low for LCSI 460-20680/3-A. Chromium (hexavalent) failed the recovery criteria low for LCSI 460-20681/3-A. Refer to the QC report for details.

Chromium (hexavalent) failed the recovery criteria low for the MS of sample 460-6741-11 in batch 460-23881.

Chromium (hexavalent) and Chromium (hexavalent) failed the recovery criteria low for the MS of sample 460-6741-15 in batch 460-23881.

Chromium (hexavalent) and Chromium (hexavalent) failed the recovery criteria low for the MS of sample 460-6741-17 in batch 460-22883.

Chromium (hexavalent) and Chromium (hexavalent) failed the recovery criteria low for the MS of sample 460-6741-1 in batch 460-22883.

Chromium (hexavalent) and Chromium (hexavalent) failed the recovery criteria low for the MS of sample 460-6741-2 in batch 460-22883.

Chromium (hexavalent) and Chromium (hexavalent) failed the recovery criteria low for the MS of sample 460-6741-5 in batch 460-22883.

Chromium (hexavalent) and Chromium (hexavalent) failed the recovery criteria low for the MS of sample 460-6741-6 in batch 460-22883.

Chromium (hexavalent) and Chromium (hexavalent) failed the recovery criteria low for the MS of sample 460-6741-8 in batch 460-22883.

Refer to the QC report for details.

Chromium (hexavalent) exceeded the rpd limit for the duplicate of sample 460-6741-11. Chromium (hexavalent) exceeded the rpd limit for the duplicate of sample 460-6741-14. Chromium (hexavalent) exceeded the rpd limit for the duplicate of sample 460-6741-15. Chromium (hexavalent) exceeded the rpd limit for the duplicate of sample 460-6741-17. for the duplicate of sample 460-6741-2. Chromium (hexavalent) exceeded the rpd limit for the duplicate of sample 460-6741-5. Chromium (hexavalent) exceeded the rpd limit for the duplicate of sample 460-6741-6. Chromium (hexavalent) exceeded the rpd limit for the duplicate of sample 460-6741-8. Refer to the QC report for details.

Samples 460-6741-1 through 460-6741-17(5X) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the hex chrome analyses.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples 460-6741-1 through 460-6741-17 were analyzed for percent solids in accordance with EPA Method 160.3 Modified. The samples were analyzed on 10/19/2009.

Percent Moisture and Percent Solids exceeded the rpd limit for the duplicate of sample 460-6852-1. Refer to the QC report for details.

No other difficulties were encountered during the % solids analyses.

All other quality control parameters were within the acceptance limits.

Preliminary Data

Preliminary Data

SAMPLE SUMMARY

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-6741-1	AB07939	Solid	10/02/2009 1053	10/14/2009 1015
460-6741-1DU	AB07939	Solid	10/02/2009 1053	10/14/2009 1015
460-6741-1MS	AB07939	Solid	10/02/2009 1053	10/14/2009 1015
460-6741-2	AB07940	Solid	10/02/2009 1054	10/14/2009 1015
460-6741-2DU	AB07940	Solid	10/02/2009 1054	10/14/2009 1015
460-6741-3	AB07941	Solid	10/02/2009 1054	10/14/2009 1015
460-6741-4	AB07942	Solid	10/02/2009 1056	10/14/2009 1015
460-6741-5	AB07943	Solid	10/02/2009 1058	10/14/2009 1015
460-6741-5DU	AB07943	Solid	10/02/2009 1058	10/14/2009 1015
460-6741-6	AB07944	Solid	10/02/2009 1100	10/14/2009 1015
460-6741-6DU	AB07944	Solid	10/02/2009 1100	10/14/2009 1015
460-6741-6MS	AB07944	Solid	10/02/2009 1100	10/14/2009 1015
460-6741-7	AB07945	Solid	10/02/2009 1100	10/14/2009 1015
460-6741-8	AB07946	Solid	10/02/2009 1102	10/14/2009 1015
460-6741-8DU	AB07946	Solid	10/02/2009 1102	10/14/2009 1015
460-6741-9	AB07947	Solid	10/02/2009 1102	10/14/2009 1015
460-6741-10	AB07948	Solid	10/02/2009 1105	10/14/2009 1015
460-6741-11	AB07949	Solid	10/02/2009 1107	10/14/2009 1015
460-6741-11DU	AB07949	Solid	10/02/2009 1107	10/14/2009 1015
460-6741-11MS	AB07949	Solid	10/02/2009 1107	10/14/2009 1015
460-6741-12	AB07950	Solid	10/02/2009 1110	10/14/2009 1015
460-6741-13	AB07951	Solid	10/02/2009 1053	10/14/2009 1015
460-6741-14	AB07952	Solid	10/02/2009 1056	10/14/2009 1015
460-6741-14DU	AB07952	Solid	10/02/2009 1056	10/14/2009 1015
460-6741-15	AB07953	Solid	10/02/2009 1102	10/14/2009 1015
460-6741-15DU	AB07953	Solid	10/02/2009 1102	10/14/2009 1015
460-6741-16	AB07954	Solid	10/02/2009 1107	10/14/2009 1015
460-6741-17	AB07955	Solid	10/02/2009 1110	10/14/2009 1015
460-6741-17DU	AB07955	Solid	10/02/2009 1110	10/14/2009 1015

Preliminary Data

EXECUTIVE SUMMARY - Detections

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
460-6741-1	**AB07939**					
Chromium (hexavalent)		2.1	B	0.83	mg/Kg	7199
Percent Moisture		3.1		1.0	%	Moisture
Percent Solids		96.9		1.0	%	Moisture
460-6741-2	**AB07940**					
Chromium (hexavalent)		2.2	^ B	0.84	mg/Kg	7199
Percent Moisture		4.7		1.0	%	Moisture
Percent Solids		95.3		1.0	%	Moisture
460-6741-3	**AB07941**					
Chromium (hexavalent)		0.42	J ^ B *	0.82	mg/Kg	7199
Percent Moisture		2.1		1.0	%	Moisture
Percent Solids		97.9		1.0	%	Moisture
460-6741-4	**AB07942**					
Chromium (hexavalent)		0.12	J ^ B	0.83	mg/Kg	7199
Percent Moisture		3.8		1.0	%	Moisture
Percent Solids		96.2		1.0	%	Moisture
460-6741-5	**AB07943**					
Chromium (hexavalent)		0.43	J ^ B *	0.83	mg/Kg	7199
Percent Moisture		3.9		1.0	%	Moisture
Percent Solids		96.1		1.0	%	Moisture
460-6741-6	**AB07944**					
Chromium (hexavalent)		1.1	^ B *	0.84	mg/Kg	7199
Percent Moisture		4.2		1.0	%	Moisture
Percent Solids		95.8		1.0	%	Moisture
460-6741-7	**AB07945**					
Chromium (hexavalent)		0.83	J ^ B *	0.83	mg/Kg	7199
Percent Moisture		3.9		1.0	%	Moisture
Percent Solids		96.1		1.0	%	Moisture

Preliminary Data

EXECUTIVE SUMMARY - Detections

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
460-6741-8	**AB07946**					
Chromium (hexavalent)		0.90	^ B *	0.82	mg/Kg	7199
Percent Moisture		2.7		1.0	%	Moisture
Percent Solids		97.3		1.0	%	Moisture
460-6741-9	**AB07947**					
Chromium (hexavalent)		0.20	J ^ B *	0.82	mg/Kg	7199
Percent Moisture		2.7		1.0	%	Moisture
Percent Solids		97.3		1.0	%	Moisture
460-6741-10	**AB07948**					
Chromium (hexavalent)		0.20	J ^ B *	0.83	mg/Kg	7199
Percent Moisture		3.4		1.0	%	Moisture
Percent Solids		96.6		1.0	%	Moisture
460-6741-11	**AB07949**					
Chromium (hexavalent)		0.42	J ^ B *	1.3	mg/Kg	7199
Percent Moisture		37.0		1.0	%	Moisture
Percent Solids		63.0		1.0	%	Moisture
460-6741-12	**AB07950**					
Chromium (hexavalent)		0.29	J ^ B	2.1	mg/Kg	7199
Percent Moisture		3.1		1.0	%	Moisture
Percent Solids		96.9		1.0	%	Moisture
460-6741-13	**AB07951**					
Chromium (hexavalent)		0.31	J ^ B	2.1	mg/Kg	7199
Percent Moisture		3.2		1.0	%	Moisture
Percent Solids		96.8		1.0	%	Moisture
460-6741-14	**AB07952**					
Chromium (hexavalent)		0.63	J ^ *	2.1	mg/Kg	7199
Percent Moisture		3.7		1.0	%	Moisture
Percent Solids		96.3		1.0	%	Moisture

Preliminary Data

EXECUTIVE SUMMARY - Detections

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
460-6741-15	**AB07953**					
Chromium (hexavalent)		4.5	H ^	2.1	mg/Kg	7199
Percent Moisture		3.1		1.0	%	Moisture
Percent Solids		96.9		1.0	%	Moisture
460-6741-16	**AB07954**					
Percent Moisture		4.9		1.0	%	Moisture
Percent Solids		95.1		1.0	%	Moisture
460-6741-17	**AB07955**					
Chromium (hexavalent)		3.6	H ^	2.1	mg/Kg	7199
Percent Moisture		3.7		1.0	%	Moisture
Percent Solids		96.3		1.0	%	Moisture

Preliminary Data

METHOD SUMMARY

Client: Missouri Department of Natural Resources | Job Number: 460-6741-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Chromium, Hexavalent (IC)	TAL EDI	SW846 7199	
Alkaline Digestion (Chromium, Hexavalent)	TAL EDI		SW846 3060A
Percent Moisture	TAL EDI	EPA Moisture	

Lab References:

TAL EDI = TestAmerica Edison

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Preliminary Data

METHOD / ANALYST SUMMARY

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Method	Analyst	Analyst ID
SW846 7199	Earomirski, Laura	LE
EPA Moisture	Retana, Camille	CR

Preliminary Data

General Chemistry

Client Sample ID: **AB07939**

Lab Sample ID: 460-6741-1 Date Sampled: 10/02/2009 1053
Client Matrix: Solid % Moisture: 3.1 Date Received: 10/14/2009 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium (hexavalent)	2.1	B	mg/Kg	0.083	0.83	2.0	7199
Analysis Batch: 460-22883	Date Analyzed: 10/27/2009 1853						DryWt Corrected: Y
Prep Batch: 460-20674	Date Prepared: 10/26/2009 1638						
Chromium (hexavalent)	2.1		mg/Kg	0.21	2.1	5.0	7199
Analysis Batch: 460-23659	Date Analyzed: 10/28/2009 1215						DryWt Corrected: Y
Prep Batch: 460-20674	Date Prepared: 10/26/2009 1638						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-20072	Date Analyzed: 10/19/2009 2142						DryWt Corrected: N
Percent Solids	96.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-20072	Date Analyzed: 10/19/2009 2142						DryWt Corrected: N

Preliminary Data

General Chemistry

Client Sample ID: **AB07940**

Lab Sample ID: 460-6741-2 Date Sampled: 10/02/2009 1054
Client Matrix: Solid % Moisture: 4.7 Date Received: 10/14/2009 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium (hexavalent)	2.2	^ B	mg/Kg	0.084	0.84	2.0	7199
Analysis Batch: 460-22883	Date Analyzed: 10/27/2009 2121						DryWt Corrected: Y
Prep Batch: 460-20676	Date Prepared: 10/26/2009 1651						
Chromium (hexavalent)	2.5		mg/Kg	0.21	2.1	5.0	7199
Analysis Batch: 460-23659	Date Analyzed: 10/28/2009 1454						DryWt Corrected: Y
Prep Batch: 460-20676	Date Prepared: 10/26/2009 1651						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	4.7		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-20072	Date Analyzed: 10/19/2009 2142						DryWt Corrected: N
Percent Solids	95.3		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-20072	Date Analyzed: 10/19/2009 2142						DryWt Corrected: N

Preliminary Data

General Chemistry

Client Sample ID: **AB07941**

Lab Sample ID: 460-6741-3 Date Sampled: 10/02/2009 1054
Client Matrix: Solid % Moisture: 2.1 Date Received: 10/14/2009 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium (hexavalent)	0.42	J ^ B *	mg/Kg	0.082	0.82	2.0	7199
Analysis Batch: 460-22883	Date Analyzed: 10/27/2009 2234						DryWt Corrected: Y
Prep Batch: 460-20676	Date Prepared: 10/26/2009 1651						
Chromium (hexavalent)	0.60	J	mg/Kg	0.20	2.0	5.0	7199
Analysis Batch: 460-23659	Date Analyzed: 10/28/2009 1609						DryWt Corrected: Y
Prep Batch: 460-20676	Date Prepared: 10/26/2009 1651						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	2.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-20072	Date Analyzed: 10/19/2009 2142						DryWt Corrected: N
Percent Solids	97.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-20072	Date Analyzed: 10/19/2009 2142						DryWt Corrected: N

Preliminary Data

General Chemistry

Client Sample ID: **AB07942**

Lab Sample ID: 460-6741-4 Date Sampled: 10/02/2009 1056
Client Matrix: Solid % Moisture: 3.8 Date Received: 10/14/2009 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium (hexavalent)	0.12	J ^ B	mg/Kg	0.083	0.83	2.0	7199
Analysis Batch: 460-22883	Date Analyzed: 10/27/2009 2248						DryWt Corrected: Y
Prep Batch: 460-20676	Date Prepared: 10/26/2009 1651						
Chromium (hexavalent)	0.30	J	mg/Kg	0.21	2.1	5.0	7199
Analysis Batch: 460-23659	Date Analyzed: 10/28/2009 1640						DryWt Corrected: Y
Prep Batch: 460-20676	Date Prepared: 10/26/2009 1651						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.8		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-20072	Date Analyzed: 10/19/2009 2142						DryWt Corrected: N
Percent Solids	96.2		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-20072	Date Analyzed: 10/19/2009 2142						DryWt Corrected: N

Preliminary Data

General Chemistry

Client Sample ID: **AB07943**

Lab Sample ID: 460-6741-5 Date Sampled: 10/02/2009 1058
Client Matrix: Solid % Moisture: 3.9 Date Received: 10/14/2009 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium (hexavalent)	0.43	J ^ B *	mg/Kg	0.083	0.83	2.0	7199
Analysis Batch: 460-22883	Date Analyzed: 10/28/2009 0016						DryWt Corrected: Y
Prep Batch: 460-20678	Date Prepared: 10/26/2009 1656						
Chromium (hexavalent)	0.30	J B ^	mg/Kg	0.21	2.1	5.0	7199
Analysis Batch: 460-23659	Date Analyzed: 10/28/2009 1809						DryWt Corrected: Y
Prep Batch: 460-20678	Date Prepared: 10/26/2009 1656						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-20072	Date Analyzed: 10/19/2009 2142						DryWt Corrected: N
Percent Solids	96.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-20072	Date Analyzed: 10/19/2009 2142						DryWt Corrected: N

Preliminary Data

General Chemistry

Client Sample ID: **AB07944**

Lab Sample ID: 460-6741-6 Date Sampled: 10/02/2009 1100
Client Matrix: Solid % Moisture: 4.2 Date Received: 10/14/2009 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium (hexavalent)	1.1	^ B *	mg/Kg	0.084	0.84	2.0	7199
Analysis Batch: 460-22883	Date Analyzed: 10/28/2009 0229						DryWt Corrected: Y
Prep Batch: 460-20679	Date Prepared: 10/26/2009 1700						
Chromium (hexavalent)	0.69	J ^	mg/Kg	0.21	2.1	5.0	7199
Analysis Batch: 460-23659	Date Analyzed: 10/28/2009 2015						DryWt Corrected: Y
Prep Batch: 460-20679	Date Prepared: 10/26/2009 1700						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	4.2		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-20072	Date Analyzed: 10/19/2009 2142						DryWt Corrected: N
Percent Solids	95.8		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-20072	Date Analyzed: 10/19/2009 2142						DryWt Corrected: N

Preliminary Data

General Chemistry

Client Sample ID: **AB07945**

Lab Sample ID: 460-6741-7 Date Sampled: 10/02/2009 1100
Client Matrix: Solid % Moisture: 3.9 Date Received: 10/14/2009 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium (hexavalent)	0.83	J ^ B *	mg/Kg	0.083	0.83	2.0	7199
Analysis Batch: 460-22883	Date Analyzed: 10/28/2009 0341						DryWt Corrected: Y
Prep Batch: 460-20679	Date Prepared: 10/26/2009 1700						
Chromium (hexavalent)	0.31	J	mg/Kg	0.21	2.1	5.0	7199
Analysis Batch: 460-23659	Date Analyzed: 10/28/2009 2127						DryWt Corrected: Y
Prep Batch: 460-20679	Date Prepared: 10/26/2009 1700						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-20072	Date Analyzed: 10/19/2009 2142						DryWt Corrected: N
Percent Solids	96.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-20072	Date Analyzed: 10/19/2009 2142						DryWt Corrected: N

Preliminary Data

General Chemistry

Client Sample ID: **AB07946**

Lab Sample ID: 460-6741-8 Date Sampled: 10/02/2009 1102
Client Matrix: Solid % Moisture: 2.7 Date Received: 10/14/2009 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium (hexavalent)	0.90	^ B *	mg/Kg	0.082	0.82	2.0	7199
Analysis Batch: 460-22883	Date Analyzed: 10/28/2009 0509						DryWt Corrected: Y
Prep Batch: 460-20680	Date Prepared: 10/26/2009 1704						
Chromium (hexavalent)	0.35	J	mg/Kg	0.21	2.1	5.0	7199
Analysis Batch: 460-23659	Date Analyzed: 10/28/2009 2303						DryWt Corrected: Y
Prep Batch: 460-20680	Date Prepared: 10/26/2009 1704						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	2.7		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-20072	Date Analyzed: 10/19/2009 2142						DryWt Corrected: N
Percent Solids	97.3		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-20072	Date Analyzed: 10/19/2009 2142						DryWt Corrected: N

Preliminary Data

General Chemistry

Client Sample ID: **AB07947**

Lab Sample ID: 460-6741-9 Date Sampled: 10/02/2009 1102
Client Matrix: Solid % Moisture: 2.7 Date Received: 10/14/2009 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium (hexavalent)	0.20	J ^ B *	mg/Kg	0.082	0.82	2.0	7199
Analysis Batch: 460-22883	Date Analyzed: 10/28/2009 0631						DryWt Corrected: Y
Prep Batch: 460-20680	Date Prepared: 10/26/2009 1704						
Chromium (hexavalent)	0.36	J	mg/Kg	0.21	2.1	5.0	7199
Analysis Batch: 460-23659	Date Analyzed: 10/29/2009 0009						DryWt Corrected: Y
Prep Batch: 460-20680	Date Prepared: 10/26/2009 1704						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	2.7		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-20072	Date Analyzed: 10/19/2009 2142						DryWt Corrected: N
Percent Solids	97.3		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-20072	Date Analyzed: 10/19/2009 2142						DryWt Corrected: N

Preliminary Data

General Chemistry

Client Sample ID: **AB07948**

Lab Sample ID: 460-6741-10 Date Sampled: 10/02/2009 1105
Client Matrix: Solid % Moisture: 3.4 Date Received: 10/14/2009 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium (hexavalent)	0.20	J ^ B *	mg/Kg	0.083	0.83	2.0	7199
Analysis Batch: 460-22883	Date Analyzed: 10/28/2009 0638						DryWt Corrected: Y
Prep Batch: 460-20680	Date Prepared: 10/26/2009 1704						
Chromium (hexavalent)	0.30	J	mg/Kg	0.21	2.1	5.0	7199
Analysis Batch: 460-23659	Date Analyzed: 10/29/2009 0031						DryWt Corrected: Y
Prep Batch: 460-20680	Date Prepared: 10/26/2009 1704						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.4		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-20072	Date Analyzed: 10/19/2009 2142						DryWt Corrected: N
Percent Solids	96.6		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-20072	Date Analyzed: 10/19/2009 2142						DryWt Corrected: N

Preliminary Data

General Chemistry

Client Sample ID: **AB07949**

Lab Sample ID: 460-6741-11 Date Sampled: 10/02/2009 1107

Client Matrix: Solid % Moisture: 37.0 Date Received: 10/14/2009 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium (hexavalent)	0.42	J ^ B *	mg/Kg	0.13	1.3	2.0	7199
Analysis Batch: 460-22883	Date Analyzed: 10/28/2009 0811						DryWt Corrected: Y
Prep Batch: 460-20681	Date Prepared: 10/26/2009 1708						
Chromium (hexavalent)	1.5	J B ^	mg/Kg	0.32	3.2	5.0	7199
Analysis Batch: 460-23659	Date Analyzed: 10/29/2009 0151						DryWt Corrected: Y
Prep Batch: 460-20681	Date Prepared: 10/26/2009 1708						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	37.0		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-20072	Date Analyzed: 10/19/2009 2142						DryWt Corrected: N
Percent Solids	63.0		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-20072	Date Analyzed: 10/19/2009 2142						DryWt Corrected: N

Preliminary Data

General Chemistry

Client Sample ID: **AB07950**

Lab Sample ID: 460-6741-12 Date Sampled: 10/02/2009 1110
Client Matrix: Solid % Moisture: 3.1 Date Received: 10/14/2009 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium (hexavalent)	0.29	J ^ B	mg/Kg	0.21	2.1	5.0	7199
Analysis Batch: 460-23659	Date Analyzed: 10/29/2009 0312						DryWt Corrected: Y
Prep Batch: 460-20681	Date Prepared: 10/26/2009 1708						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-20072	Date Analyzed: 10/19/2009 2142						DryWt Corrected: N
Percent Solids	96.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-20072	Date Analyzed: 10/19/2009 2142						DryWt Corrected: N

Preliminary Data

General Chemistry

Client Sample ID: **AB07951**

Lab Sample ID: 460-6741-13 Date Sampled: 10/02/2009 1053
Client Matrix: Solid % Moisture: 3.2 Date Received: 10/14/2009 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium (hexavalent)	0.31	J ^ B	mg/Kg	0.21	2.1	5.0	7199
Analysis Batch: 460-23659	Date Analyzed: 10/29/2009 0320						DryWt Corrected: Y
Prep Batch: 460-20681	Date Prepared: 10/26/2009 1708						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.2		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-20072	Date Analyzed: 10/19/2009 2142						DryWt Corrected: N
Percent Solids	96.8		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-20072	Date Analyzed: 10/19/2009 2142						DryWt Corrected: N

Preliminary Data

General Chemistry

Client Sample ID: **AB07952**

Lab Sample ID: 460-6741-14 Date Sampled: 10/02/2009 1056

Client Matrix: Solid % Moisture: 3.7 Date Received: 10/14/2009 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium (hexavalent)	0.63	J ^ *	mg/Kg	0.21	2.1	5.0	7199
Analysis Batch: 460-23659	Date Analyzed: 10/29/2009 0448						DryWt Corrected: Y
Prep Batch: 460-20682	Date Prepared: 10/26/2009 1713						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.7		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-20072	Date Analyzed: 10/19/2009 2142						DryWt Corrected: N
Percent Solids	96.3		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-20072	Date Analyzed: 10/19/2009 2142						DryWt Corrected: N

Preliminary Data

General Chemistry

Client Sample ID: **AB07953**

Lab Sample ID: 460-6741-15 Date Sampled: 10/02/2009 1102
Client Matrix: Solid % Moisture: 3.1 Date Received: 10/14/2009 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium (hexavalent)	3.9	B ^ *	mg/Kg	0.21	2.1	5.0	7199
Analysis Batch: 460-23659	Date Analyzed: 10/29/2009 0714						DryWt Corrected: Y
Prep Batch: 460-20683	Date Prepared: 10/26/2009 1716						
Chromium (hexavalent)	4.5	H ^	mg/Kg	0.21	2.1	5.0	7199
Analysis Batch: 460-23881	Date Analyzed: 11/03/2009 0222						DryWt Corrected: Y
Prep Batch: 460-20683	Date Prepared: 10/26/2009 1716						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-20072	Date Analyzed: 10/19/2009 2142						DryWt Corrected: N
Percent Solids	96.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-20072	Date Analyzed: 10/19/2009 2142						DryWt Corrected: N

Preliminary Data

General Chemistry

Client Sample ID: **AB07954**

Lab Sample ID: 460-6741-16 Date Sampled: 10/02/2009 1107

Client Matrix: Solid % Moisture: 4.9 Date Received: 10/14/2009 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium (hexavalent)	2.1	U H ^	mg/Kg	0.21	2.1	5.0	7199
Analysis Batch: 460-23881	Date Analyzed: 11/03/2009 0342						DryWt Corrected: Y
Prep Batch: 460-20683	Date Prepared: 10/26/2009 1716						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	4.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-20072	Date Analyzed: 10/19/2009 2142						DryWt Corrected: N
Percent Solids	95.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-20072	Date Analyzed: 10/19/2009 2142						DryWt Corrected: N

Preliminary Data

General Chemistry

Client Sample ID: **AB07955**

Lab Sample ID: 460-6741-17 Date Sampled: 10/02/2009 1110

Client Matrix: Solid % Moisture: 3.7 Date Received: 10/14/2009 1015

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium (hexavalent)	3.6	H ^	mg/Kg	0.21	2.1	5.0	7199
Analysis Batch: 460-23881	Date Analyzed: 11/03/2009 0509						DryWt Corrected: Y
Prep Batch: 460-20684	Date Prepared: 10/26/2009 1723						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.7		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-20072	Date Analyzed: 10/19/2009 2142						DryWt Corrected: N
Percent Solids	96.3		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-20072	Date Analyzed: 10/19/2009 2142						DryWt Corrected: N

Preliminary Data

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Method Blank - Batch: 460-20674

Method: 7199
Preparation: 3060A

Lab Sample ID: MB 460-20674/1-A ^2
Client Matrix: Solid
Dilution: 2.0
Date Analyzed: 10/27/2009 1801
Date Prepared: 10/26/2009 1638

Analysis Batch: 460-22883
Prep Batch: 460-20674
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a271801.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Chromium (hexavalent)	0.108	J	0.080	0.80

Method Blank - Batch: 460-20674

Method: 7199
Preparation: 3060A

Lab Sample ID: MB 460-20674/1-A ^2
Client Matrix: Solid
Dilution: 2.0
Date Analyzed: 10/28/2009 1139
Date Prepared: 10/26/2009 1638

Analysis Batch: 460-23659
Prep Batch: 460-20674
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a281139.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Chromium (hexavalent)	0.80	U	0.080	0.80

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Lab Control Sample - Batch: 460-20674

Method: 7199
Preparation: 3060A

Lab Sample ID: LCS 460-20674/2-A ^25
Client Matrix: Solid
Dilution: 25
Date Analyzed: 10/27/2009 1831
Date Prepared: 10/26/2009 1638

Analysis Batch: 460-22883
Prep Batch: 460-20674
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a271831.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	21.2	21.07	99	85 - 115	

Lab Control Sample Insoluble - Batch: 460-20674

Method: 7199
Preparation: 3060A

Lab Sample ID: LCSI 460-20674/3-A ^500
Client Matrix: Solid
Dilution: 500
Date Analyzed: 10/27/2009 1846
Date Prepared: 10/26/2009 1638

Analysis Batch: 460-22883
Prep Batch: 460-20674
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a271846.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	708	653.1	92	80 - 120	

Lab Control Sample - Batch: 460-20674

Method: 7199
Preparation: 3060A

Lab Sample ID: LCS 460-20674/2-A ^25
Client Matrix: Solid
Dilution: 25
Date Analyzed: 10/28/2009 1153
Date Prepared: 10/26/2009 1638

Analysis Batch: 460-23659
Prep Batch: 460-20674
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a281153.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	21.2	21.56	102	85 - 115	

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Lab Control Sample Insoluble - Batch: 460-20674

Method: 7199
Preparation: 3060A

Lab Sample ID:	LCSI 460-20674/3-A ^500	Analysis Batch:	460-23659	Instrument ID:	Metrohm Peak Ion
Client Matrix:	Solid	Prep Batch:	460-20674	Lab File ID:	a281208.CHW
Dilution:	500	Units:	mg/Kg	Initial Weight/Volume:	2.50 g
Date Analyzed:	10/28/2009 1208			Final Weight/Volume:	100 mL
Date Prepared:	10/26/2009 1638				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	708	710.7	100	80 - 120	

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Matrix Spike - Batch: 460-20674

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-1
Client Matrix: Solid
Dilution: 40
Date Analyzed: 10/27/2009 1945
Date Prepared: 10/26/2009 1638

Analysis Batch: 460-22883
Prep Batch: 460-20674
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a271945.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	2.1	41.3	30.80	70	75 - 125	^ F

Matrix Spike Insoluble - Batch: 460-20674

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-1
Client Matrix: Solid
Dilution: 500
Date Analyzed: 10/27/2009 2000
Date Prepared: 10/26/2009 1638

Analysis Batch: 460-22883
Prep Batch: 460-20674
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a272000.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	2.1	730	494.8	67	75 - 125	^ F

Matrix Spike - Batch: 460-20674

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-1
Client Matrix: Solid
Dilution: 40
Date Analyzed: 10/28/2009 1311
Date Prepared: 10/26/2009 1638

Analysis Batch: 460-23659
Prep Batch: 460-20674
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a281311.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	2.1	41.3	31.16	70	75 - 125	F

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Matrix Spike Insoluble - Batch: 460-20674

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-1
Client Matrix: Solid
Dilution: 500
Date Analyzed: 10/28/2009 1333
Date Prepared: 10/26/2009 1638

Analysis Batch: 460-23659
Prep Batch: 460-20674
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a281333.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	2.1	730	523.2	71	75 - 125	F

Duplicate - Batch: 460-20674

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-1
Client Matrix: Solid
Dilution: 2.0
Date Analyzed: 10/27/2009 1916
Date Prepared: 10/26/2009 1638

Analysis Batch: 460-22883
Prep Batch: 460-20674
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a271916.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chromium (hexavalent)	2.1	2.28	10	20	

Duplicate - Batch: 460-20674

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-1
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 10/28/2009 1243
Date Prepared: 10/26/2009 1638

Analysis Batch: 460-23659
Prep Batch: 460-20674
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a281243.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chromium (hexavalent)	2.1	2.34	11	20	

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Method Blank - Batch: 460-20676

Method: 7199
Preparation: 3060A

Lab Sample ID: MB 460-20676/1-A ^2
Client Matrix: Solid
Dilution: 2.0
Date Analyzed: 10/27/2009 2030
Date Prepared: 10/26/2009 1651

Analysis Batch: 460-22883
Prep Batch: 460-20676
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a272030.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Chromium (hexavalent)	0.108	J ^	0.080	0.80

Method Blank - Batch: 460-20676

Method: 7199
Preparation: 3060A

Lab Sample ID: MB 460-20676/1-A ^2
Client Matrix: Solid
Dilution: 2.0
Date Analyzed: 10/28/2009 1403
Date Prepared: 10/26/2009 1651

Analysis Batch: 460-23659
Prep Batch: 460-20676
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a281403.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Chromium (hexavalent)	0.80	U	0.080	0.80

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Lab Control Sample - Batch: 460-20676

Method: 7199
Preparation: 3060A

Lab Sample ID: LCS 460-20676/2-A ^25
Client Matrix: Solid
Dilution: 25
Date Analyzed: 10/27/2009 2037
Date Prepared: 10/26/2009 1651

Analysis Batch: 460-22883
Prep Batch: 460-20676
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a272037.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	21.2	21.01	99	85 - 115	^

Lab Control Sample Insoluble - Batch: 460-20676

Method: 7199
Preparation: 3060A

Lab Sample ID: LCSI 460-20676/3-A ^500
Client Matrix: Solid
Dilution: 500
Date Analyzed: 10/27/2009 2114
Date Prepared: 10/26/2009 1651

Analysis Batch: 460-22883
Prep Batch: 460-20676
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a272114.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	708	577.6	82	80 - 120	^

Lab Control Sample - Batch: 460-20676

Method: 7199
Preparation: 3060A

Lab Sample ID: LCS 460-20676/2-A ^25
Client Matrix: Solid
Dilution: 25
Date Analyzed: 10/28/2009 1410
Date Prepared: 10/26/2009 1651

Analysis Batch: 460-23659
Prep Batch: 460-20676
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a281410.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	21.2	21.50	101	85 - 115	

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Lab Control Sample Insoluble - Batch: 460-20676

Method: 7199
Preparation: 3060A

Lab Sample ID:	LCSI 460-20676/3-A ^500	Analysis Batch:	460-23659	Instrument ID:	Metrohm Peak Ion
Client Matrix:	Solid	Prep Batch:	460-20676	Lab File ID:	a281439.CHW
Dilution:	500	Units:	mg/Kg	Initial Weight/Volume:	2.50 g
Date Analyzed:	10/28/2009 1439			Final Weight/Volume:	100 mL
Date Prepared:	10/26/2009 1651				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	708	714.6	101	80 - 120	

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Matrix Spike - Batch: 460-20676

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-2
Client Matrix: Solid
Dilution: 40
Date Analyzed: 10/27/2009 2150
Date Prepared: 10/26/2009 1651

Analysis Batch: 460-22883
Prep Batch: 460-20676
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a272150.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	2.2	42.0	29.09	64	75 - 125	^ F

Matrix Spike Insoluble - Batch: 460-20676

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-2
Client Matrix: Solid
Dilution: 500
Date Analyzed: 10/27/2009 2205
Date Prepared: 10/26/2009 1651

Analysis Batch: 460-22883
Prep Batch: 460-20676
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a272205.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	2.2	742	418.6	56	75 - 125	^ F

Matrix Spike - Batch: 460-20676

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-2
Client Matrix: Solid
Dilution: 40
Date Analyzed: 10/28/2009 1523
Date Prepared: 10/26/2009 1651

Analysis Batch: 460-23659
Prep Batch: 460-20676
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a281523.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	2.5	42.0	29.07	63	75 - 125	F

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Matrix Spike Insoluble - Batch: 460-20676

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-2
Client Matrix: Solid
Dilution: 500
Date Analyzed: 10/28/2009 1538
Date Prepared: 10/26/2009 1651

Analysis Batch: 460-23659
Prep Batch: 460-20676
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a281538.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	2.5	742	525.1	70	75 - 125	F

Duplicate - Batch: 460-20676

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-2
Client Matrix: Solid
Dilution: 2.0
Date Analyzed: 10/27/2009 2143
Date Prepared: 10/26/2009 1651

Analysis Batch: 460-22883
Prep Batch: 460-20676
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a272143.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chromium (hexavalent)	2.2	2.71	19	20	^

Duplicate - Batch: 460-20676

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-2
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 10/28/2009 1509
Date Prepared: 10/26/2009 1651

Analysis Batch: 460-23659
Prep Batch: 460-20676
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a281509.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chromium (hexavalent)	2.5	2.83	14	20	

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Method Blank - Batch: 460-20678

Method: 7199
Preparation: 3060A

Lab Sample ID: MB 460-20678/1-A ^2
Client Matrix: Solid
Dilution: 2.0
Date Analyzed: 10/27/2009 2317
Date Prepared: 10/26/2009 1656

Analysis Batch: 460-22883
Prep Batch: 460-20678
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a272317.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Chromium (hexavalent)	0.111	J ^	0.080	0.80

Method Blank - Batch: 460-20678

Method: 7199
Preparation: 3060A

Lab Sample ID: MB 460-20678/1-A ^2
Client Matrix: Solid
Dilution: 2.0
Date Analyzed: 10/28/2009 1703
Date Prepared: 10/26/2009 1656

Analysis Batch: 460-23659
Prep Batch: 460-20678
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a281703.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Chromium (hexavalent)	0.163	J	0.080	0.80

Method Blank - Batch: 460-20678

Method: 7199
Preparation: 3060A

Lab Sample ID: MB 460-20678/1-A ^2
Client Matrix: Solid
Dilution: 2.0
Date Analyzed: 10/28/2009 1711
Date Prepared: 10/26/2009 1656

Analysis Batch: 460-23659
Prep Batch: 460-20678
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a281711.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Chromium (hexavalent)	0.80	U	0.080	0.80

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Lab Control Sample - Batch: 460-20678

Method: 7199
Preparation: 3060A

Lab Sample ID: LCS 460-20678/2-A ^25
Client Matrix: Solid
Dilution: 25
Date Analyzed: 10/27/2009 2339
Date Prepared: 10/26/2009 1656

Analysis Batch: 460-22883
Prep Batch: 460-20678
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a272339.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	21.2	20.16	95	85 - 115	^

Lab Control Sample Insoluble - Batch: 460-20678

Method: 7199
Preparation: 3060A

Lab Sample ID: LCSI 460-20678/3-A ^500
Client Matrix: Solid
Dilution: 500
Date Analyzed: 10/28/2009 0009
Date Prepared: 10/26/2009 1656

Analysis Batch: 460-22883
Prep Batch: 460-20678
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a280009.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	708	291.2	41	80 - 120	^ *

Lab Control Sample - Batch: 460-20678

Method: 7199
Preparation: 3060A

Lab Sample ID: LCS 460-20678/2-A ^25
Client Matrix: Solid
Dilution: 25
Date Analyzed: 10/28/2009 1725
Date Prepared: 10/26/2009 1656

Analysis Batch: 460-23659
Prep Batch: 460-20678
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a281725.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	21.2	22.11	104	85 - 115	

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Lab Control Sample Insoluble - Batch: 460-20678

Method: 7199
Preparation: 3060A

Lab Sample ID:	LCSI 460-20678/3-A ^500	Analysis Batch:	460-23659	Instrument ID:	Metrohm Peak Ion
Client Matrix:	Solid	Prep Batch:	460-20678	Lab File ID:	a281755.CHW
Dilution:	500	Units:	mg/Kg	Initial Weight/Volume:	2.50 g
Date Analyzed:	10/28/2009 1755			Final Weight/Volume:	100 mL
Date Prepared:	10/26/2009 1656				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	708	725.1	102	80 - 120	^

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Matrix Spike - Batch: 460-20678

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-5
Client Matrix: Solid
Dilution: 40
Date Analyzed: 10/28/2009 0053
Date Prepared: 10/26/2009 1656

Analysis Batch: 460-22883
Prep Batch: 460-20678
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a280053.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	0.43	J	41.6	4.03	9	75 - 125	J ^ F

Matrix Spike Insoluble - Batch: 460-20678

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-5
Client Matrix: Solid
Dilution: 500
Date Analyzed: 10/28/2009 0108
Date Prepared: 10/26/2009 1656

Analysis Batch: 460-22883
Prep Batch: 460-20678
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a280108.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	0.43	J	737	115.7	16	75 - 125	J ^ F

Matrix Spike - Batch: 460-20678

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-5
Client Matrix: Solid
Dilution: 40
Date Analyzed: 10/28/2009 1832
Date Prepared: 10/26/2009 1656

Analysis Batch: 460-23659
Prep Batch: 460-20678
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a281832.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	0.30	J	41.6	4.69	11	75 - 125	J ^ F

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Matrix Spike Insoluble - Batch: 460-20678

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-5
Client Matrix: Solid
Dilution: 500
Date Analyzed: 10/28/2009 1854
Date Prepared: 10/26/2009 1656

Analysis Batch: 460-23659
Prep Batch: 460-20678
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a281854.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	0.30	J	737	213.9	29	75 - 125	^ F

Duplicate - Batch: 460-20678

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-5
Client Matrix: Solid
Dilution: 2.0
Date Analyzed: 10/28/2009 0031
Date Prepared: 10/26/2009 1656

Analysis Batch: 460-22883
Prep Batch: 460-20678
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a280031.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Chromium (hexavalent)	0.43	J	0.137	103	20	J ^

Duplicate - Batch: 460-20678

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-5
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 10/28/2009 1824
Date Prepared: 10/26/2009 1656

Analysis Batch: 460-23659
Prep Batch: 460-20678
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a281824.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Chromium (hexavalent)	0.30	J	0.282	6	20	J ^

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Method Blank - Batch: 460-20679

Method: 7199
Preparation: 3060A

Lab Sample ID: MB 460-20679/1-A ^2
Client Matrix: Solid
Dilution: 2.0
Date Analyzed: 10/28/2009 0145
Date Prepared: 10/26/2009 1700

Analysis Batch: 460-22883
Prep Batch: 460-20679
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a280145.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Chromium (hexavalent)	0.715	J ^	0.080	0.80

Method Blank - Batch: 460-20679

Method: 7199
Preparation: 3060A

Lab Sample ID: MB 460-20679/1-A ^2
Client Matrix: Solid
Dilution: 2.0
Date Analyzed: 10/28/2009 1938
Date Prepared: 10/26/2009 1700

Analysis Batch: 460-23659
Prep Batch: 460-20679
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a281938.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Chromium (hexavalent)	0.80	U ^	0.080	0.80

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Lab Control Sample - Batch: 460-20679

Method: 7199
Preparation: 3060A

Lab Sample ID: LCS 460-20679/2-A ^25
Client Matrix: Solid
Dilution: 25
Date Analyzed: 10/28/2009 0207
Date Prepared: 10/26/2009 1700

Analysis Batch: 460-22883
Prep Batch: 460-20679
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a280207.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	21.2	18.83	89	85 - 115	^

Lab Control Sample Insoluble - Batch: 460-20679

Method: 7199
Preparation: 3060A

Lab Sample ID: LCSI 460-20679/3-A ^500
Client Matrix: Solid
Dilution: 500
Date Analyzed: 10/28/2009 0214
Date Prepared: 10/26/2009 1700

Analysis Batch: 460-22883
Prep Batch: 460-20679
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a280214.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	708	352.5	50	80 - 120	^ *

Lab Control Sample - Batch: 460-20679

Method: 7199
Preparation: 3060A

Lab Sample ID: LCS 460-20679/2-A ^25
Client Matrix: Solid
Dilution: 25
Date Analyzed: 10/28/2009 1953
Date Prepared: 10/26/2009 1700

Analysis Batch: 460-23659
Prep Batch: 460-20679
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a281953.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	21.2	21.89	103	85 - 115	^

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Lab Control Sample Insoluble - Batch: 460-20679

Method: 7199
Preparation: 3060A

Lab Sample ID:	LCSI 460-20679/3-A ^500	Analysis Batch:	460-23659	Instrument ID:	Metrohm Peak Ion
Client Matrix:	Solid	Prep Batch:	460-20679	Lab File ID:	a282000.CHW
Dilution:	500	Units:	mg/Kg	Initial Weight/Volume:	2.50 g
Date Analyzed:	10/28/2009 2000			Final Weight/Volume:	100 mL
Date Prepared:	10/26/2009 1700				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	708	733.5	104	80 - 120	^

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Matrix Spike - Batch: 460-20679

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-6
Client Matrix: Solid
Dilution: 40
Date Analyzed: 10/28/2009 0320
Date Prepared: 10/26/2009 1700

Analysis Batch: 460-22883
Prep Batch: 460-20679
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a280320.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	1.1	41.8	15.32	34	75 - 125	J ^ F

Matrix Spike Insoluble - Batch: 460-20679

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-6
Client Matrix: Solid
Dilution: 500
Date Analyzed: 10/28/2009 0327
Date Prepared: 10/26/2009 1700

Analysis Batch: 460-22883
Prep Batch: 460-20679
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a280327.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	1.1	739	192.6	26	75 - 125	J ^ F

Matrix Spike - Batch: 460-20679

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-6
Client Matrix: Solid
Dilution: 40
Date Analyzed: 10/28/2009 2106
Date Prepared: 10/26/2009 1700

Analysis Batch: 460-23659
Prep Batch: 460-20679
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a282106.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	0.69	J	41.8	23.60	55	75 - 125	F

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Matrix Spike Insoluble - Batch: 460-20679

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-6
Client Matrix: Solid
Dilution: 500
Date Analyzed: 10/28/2009 2120
Date Prepared: 10/26/2009 1700

Analysis Batch: 460-23659
Prep Batch: 460-20679
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a282120.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	0.69	J	739	497.4	67	75 - 125	F

Duplicate - Batch: 460-20679

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-6
Client Matrix: Solid
Dilution: 2.0
Date Analyzed: 10/28/2009 0305
Date Prepared: 10/26/2009 1700

Analysis Batch: 460-22883
Prep Batch: 460-20679
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a280305.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chromium (hexavalent)	1.1	0.331	110	20	J ^

Duplicate - Batch: 460-20679

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-6
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 10/28/2009 2044
Date Prepared: 10/26/2009 1700

Analysis Batch: 460-23659
Prep Batch: 460-20679
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a282044.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Chromium (hexavalent)	0.69	J	1.0	NC	20	U

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Method Blank - Batch: 460-20680

Method: 7199
Preparation: 3060A

Lab Sample ID: MB 460-20680/1-A ^2
Client Matrix: Solid
Dilution: 2.0
Date Analyzed: 10/28/2009 0425
Date Prepared: 10/26/2009 1704

Analysis Batch: 460-22883
Prep Batch: 460-20680
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a280425.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Chromium (hexavalent)	0.122	J ^	0.080	0.80

Method Blank - Batch: 460-20680

Method: 7199
Preparation: 3060A

Lab Sample ID: MB 460-20680/1-A ^2
Client Matrix: Solid
Dilution: 2.0
Date Analyzed: 10/28/2009 2219
Date Prepared: 10/26/2009 1704

Analysis Batch: 460-23659
Prep Batch: 460-20680
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a282219.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Chromium (hexavalent)	0.80	U	0.080	0.80

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Lab Control Sample - Batch: 460-20680

Method: 7199
Preparation: 3060A

Lab Sample ID: LCS 460-20680/2-A ^25
Client Matrix: Solid
Dilution: 25
Date Analyzed: 10/28/2009 0447
Date Prepared: 10/26/2009 1704

Analysis Batch: 460-22883
Prep Batch: 460-20680
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a280447.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	21.2	14.82	70	85 - 115	^ *

Lab Control Sample Insoluble - Batch: 460-20680

Method: 7199
Preparation: 3060A

Lab Sample ID: LCSI 460-20680/3-A ^500
Client Matrix: Solid
Dilution: 500
Date Analyzed: 10/28/2009 0455
Date Prepared: 10/26/2009 1704

Analysis Batch: 460-22883
Prep Batch: 460-20680
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a280455.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	708	293.4	41	80 - 120	^ *

Lab Control Sample - Batch: 460-20680

Method: 7199
Preparation: 3060A

Lab Sample ID: LCS 460-20680/2-A ^25
Client Matrix: Solid
Dilution: 25
Date Analyzed: 10/28/2009 2233
Date Prepared: 10/26/2009 1704

Analysis Batch: 460-23659
Prep Batch: 460-20680
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a282233.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	21.2	22.69	107	85 - 115	

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Lab Control Sample Insoluble - Batch: 460-20680

Method: 7199
Preparation: 3060A

Lab Sample ID:	LCSI 460-20680/3-A ^500	Analysis Batch:	460-23659	Instrument ID:	Metrohm Peak Ion
Client Matrix:	Solid	Prep Batch:	460-20680	Lab File ID:	a282248.CHW
Dilution:	500	Units:	mg/Kg	Initial Weight/Volume:	2.50 g
Date Analyzed:	10/28/2009 2248			Final Weight/Volume:	100 mL
Date Prepared:	10/26/2009 1704				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	708	737.3	104	80 - 120	

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Matrix Spike - Batch: 460-20680

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-8
Client Matrix: Solid
Dilution: 40
Date Analyzed: 10/28/2009 0601
Date Prepared: 10/26/2009 1704

Analysis Batch: 460-22883
Prep Batch: 460-20680
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a280601.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	0.90	41.1	2.39	4	75 - 125	J ^ F

Matrix Spike Insoluble - Batch: 460-20680

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-8
Client Matrix: Solid
Dilution: 500
Date Analyzed: 10/28/2009 0616
Date Prepared: 10/26/2009 1704

Analysis Batch: 460-22883
Prep Batch: 460-20680
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a280616.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	0.90	728	35.68	5	75 - 125	J ^ F

Matrix Spike - Batch: 460-20680

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-8
Client Matrix: Solid
Dilution: 40
Date Analyzed: 10/28/2009 2340
Date Prepared: 10/26/2009 1704

Analysis Batch: 460-23659
Prep Batch: 460-20680
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a282340.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	0.35 J	41.1	2.85	6	75 - 125	J F

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Matrix Spike Insoluble - Batch: 460-20680

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-8
Client Matrix: Solid
Dilution: 500
Date Analyzed: 10/29/2009 0002
Date Prepared: 10/26/2009 1704

Analysis Batch: 460-23659
Prep Batch: 460-20680
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a290002.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	0.35	J	728	101.3	14	75 - 125	J F

Duplicate - Batch: 460-20680

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-8
Client Matrix: Solid
Dilution: 2.0
Date Analyzed: 10/28/2009 0532
Date Prepared: 10/26/2009 1704

Analysis Batch: 460-22883
Prep Batch: 460-20680
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a280532.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chromium (hexavalent)	0.90	0.200	127	20	J ^ *

Duplicate - Batch: 460-20680

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-8
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 10/28/2009 2310
Date Prepared: 10/26/2009 1704

Analysis Batch: 460-23659
Prep Batch: 460-20680
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a282310.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Chromium (hexavalent)	0.35	J	0.356	3	20	J

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Method Blank - Batch: 460-20681

Method: 7199
Preparation: 3060A

Lab Sample ID: MB 460-20681/1-A ^2
Client Matrix: Solid
Dilution: 2.0
Date Analyzed: 10/28/2009 0729
Date Prepared: 10/26/2009 1708

Analysis Batch: 460-22883
Prep Batch: 460-20681
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a280729.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Chromium (hexavalent)	0.117	J ^	0.080	0.80

Method Blank - Batch: 460-20681

Method: 7199
Preparation: 3060A

Lab Sample ID: MB 460-20681/1-A ^2
Client Matrix: Solid
Dilution: 2.0
Date Analyzed: 10/29/2009 0115
Date Prepared: 10/26/2009 1708

Analysis Batch: 460-23659
Prep Batch: 460-20681
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a290115.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Chromium (hexavalent)	0.0978	J ^	0.080	0.80

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Lab Control Sample - Batch: 460-20681

Method: 7199
Preparation: 3060A

Lab Sample ID: LCS 460-20681/2-A ^25
Client Matrix: Solid
Dilution: 25
Date Analyzed: 10/28/2009 0744
Date Prepared: 10/26/2009 1708

Analysis Batch: 460-22883
Prep Batch: 460-20681
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a280744.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	21.2	18.19	86	85 - 115	^

Lab Control Sample Insoluble - Batch: 460-20681

Method: 7199
Preparation: 3060A

Lab Sample ID: LCSI 460-20681/3-A ^500
Client Matrix: Solid
Dilution: 500
Date Analyzed: 10/28/2009 0751
Date Prepared: 10/26/2009 1708

Analysis Batch: 460-22883
Prep Batch: 460-20681
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a280751.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	708	355.0	50	80 - 120	^ *

Lab Control Sample - Batch: 460-20681

Method: 7199
Preparation: 3060A

Lab Sample ID: LCS 460-20681/2-A ^25
Client Matrix: Solid
Dilution: 25
Date Analyzed: 10/29/2009 0130
Date Prepared: 10/26/2009 1708

Analysis Batch: 460-23659
Prep Batch: 460-20681
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a290130.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	21.2	22.08	104	85 - 115	^

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Lab Control Sample Insoluble - Batch: 460-20681

Method: 7199
Preparation: 3060A

Lab Sample ID: LCSI 460-20681/3-A ^500
Client Matrix: Solid
Dilution: 500
Date Analyzed: 10/29/2009 0137
Date Prepared: 10/26/2009 1708

Analysis Batch: 460-23659
Prep Batch: 460-20681
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a290137.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	708	629.0	89	80 - 120	^

Matrix Spike - Batch: 460-20681

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-11
Client Matrix: Solid
Dilution: 40
Date Analyzed: 10/29/2009 0243
Date Prepared: 10/26/2009 1708

Analysis Batch: 460-23659
Prep Batch: 460-20681
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a290243.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	1.5	J	63.5	47.93	73	75 - 125	^ F

Matrix Spike Insoluble - Batch: 460-20681

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-11
Client Matrix: Solid
Dilution: 500
Date Analyzed: 10/29/2009 0250
Date Prepared: 10/26/2009 1708

Analysis Batch: 460-23659
Prep Batch: 460-20681
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a290250.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	1.5	J	1120	527.0	47	75 - 125	^ F

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Duplicate - Batch: 460-20681

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-11
Client Matrix: Solid
Dilution: 2.0
Date Analyzed: 10/28/2009 0826
Date Prepared: 10/26/2009 1708

Analysis Batch: 460-22883
Prep Batch: 460-20681
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a280826.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Chromium (hexavalent)	0.42	J	0.639	42	20	^

Duplicate - Batch: 460-20681

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-11
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 10/29/2009 0206
Date Prepared: 10/26/2009 1708

Analysis Batch: 460-23659
Prep Batch: 460-20681
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a290206.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Chromium (hexavalent)	1.5	J	1.27	17	20	J ^

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Method Blank - Batch: 460-20682

Method: 7199
Preparation: 3060A

Lab Sample ID: MB 460-20682/1-A ^2
Client Matrix: Solid
Dilution: 2.0
Date Analyzed: 10/29/2009 0411
Date Prepared: 10/26/2009 1713

Analysis Batch: 460-23659
Prep Batch: 460-20682
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a290411.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Chromium (hexavalent)	0.80	U ^	0.080	0.80

Lab Control Sample - Batch: 460-20682

Method: 7199
Preparation: 3060A

Lab Sample ID: LCS 460-20682/2-A ^25
Client Matrix: Solid
Dilution: 25
Date Analyzed: 10/29/2009 0426
Date Prepared: 10/26/2009 1713

Analysis Batch: 460-23659
Prep Batch: 460-20682
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a290426.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	21.2	21.02	99	85 - 115	^

Lab Control Sample Insoluble - Batch: 460-20682

Method: 7199
Preparation: 3060A

Lab Sample ID: LCSI 460-20682/3-A ^500
Client Matrix: Solid
Dilution: 500
Date Analyzed: 10/29/2009 0433
Date Prepared: 10/26/2009 1713

Analysis Batch: 460-23659
Prep Batch: 460-20682
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a290433.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	708	434.9	61	80 - 120	^ *

Calculations are performed before rounding to avoid round-off errors in calculated results.

Preliminary Data

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Matrix Spike - Batch: 460-20682

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-14
Client Matrix: Solid
Dilution: 40
Date Analyzed: 10/29/2009 0539
Date Prepared: 10/26/2009 1713

Analysis Batch: 460-23659
Prep Batch: 460-20682
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a290539.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	0.63	J	41.5	3.84	8	75 - 125	J ^ F

Matrix Spike Insoluble - Batch: 460-20682

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-14
Client Matrix: Solid
Dilution: 500
Date Analyzed: 10/29/2009 0546
Date Prepared: 10/26/2009 1713

Analysis Batch: 460-23659
Prep Batch: 460-20682
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a290546.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	0.63	J	735	70.30	9	75 - 125	J ^ F

Duplicate - Batch: 460-20682

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-14
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 10/29/2009 0502
Date Prepared: 10/26/2009 1713

Analysis Batch: 460-23659
Prep Batch: 460-20682
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a290502.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Chromium (hexavalent)	0.63	J	0.301	71	20	J ^

Calculations are performed before rounding to avoid round-off errors in calculated results.

Preliminary Data

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Method Blank - Batch: 460-20683

Method: 7199
Preparation: 3060A

Lab Sample ID: MB 460-20683/1-A ^2
Client Matrix: Solid
Dilution: 2.0
Date Analyzed: 10/29/2009 0615
Date Prepared: 10/26/2009 1716

Analysis Batch: 460-23659
Prep Batch: 460-20683
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a290615.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Chromium (hexavalent)	0.224	J ^	0.080	0.80

Method Blank - Batch: 460-20683

Method: 7199
Preparation: 3060A

Lab Sample ID: MB 460-20683/1-A ^2
Client Matrix: Solid
Dilution: 2.0
Date Analyzed: 11/03/2009 0124
Date Prepared: 10/26/2009 1716

Analysis Batch: 460-23881
Prep Batch: 460-20683
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: b030124.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Chromium (hexavalent)	0.80	U ^	0.080	0.80

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Lab Control Sample - Batch: 460-20683

Method: 7199
Preparation: 3060A

Lab Sample ID: LCS 460-20683/2-A ^25
Client Matrix: Solid
Dilution: 25
Date Analyzed: 10/29/2009 0637
Date Prepared: 10/26/2009 1716

Analysis Batch: 460-23659
Prep Batch: 460-20683
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a290637.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	21.2	20.70	97	85 - 115	^

Lab Control Sample Insoluble - Batch: 460-20683

Method: 7199
Preparation: 3060A

Lab Sample ID: LCSI 460-20683/3-A ^500
Client Matrix: Solid
Dilution: 500
Date Analyzed: 10/29/2009 0707
Date Prepared: 10/26/2009 1716

Analysis Batch: 460-23659
Prep Batch: 460-20683
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a290707.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	708	288.6	41	80 - 120	^ *

Lab Control Sample - Batch: 460-20683

Method: 7199
Preparation: 3060A

Lab Sample ID: LCS 460-20683/2-A ^25
Client Matrix: Solid
Dilution: 25
Date Analyzed: 11/03/2009 0146
Date Prepared: 10/26/2009 1716

Analysis Batch: 460-23881
Prep Batch: 460-20683
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: b030146.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	21.2	22.16	104	85 - 115	^

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Lab Control Sample Insoluble - Batch: 460-20683

Method: 7199
Preparation: 3060A

Lab Sample ID:	LCSI 460-20683/3-A ^500	Analysis Batch:	460-23881	Instrument ID:	Metrohm Peak Ion
Client Matrix:	Solid	Prep Batch:	460-20683	Lab File ID:	b030215.CHW
Dilution:	500	Units:	mg/Kg	Initial Weight/Volume:	2.50 g
Date Analyzed:	11/03/2009 0215			Final Weight/Volume:	100 mL
Date Prepared:	10/26/2009 1716				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	708	702.3	99	80 - 120	^

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Matrix Spike - Batch: 460-20683

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-15
Client Matrix: Solid
Dilution: 40
Date Analyzed: 10/29/2009 0744
Date Prepared: 10/26/2009 1716

Analysis Batch: 460-23659
Prep Batch: 460-20683
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a290744.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	3.9	41.3	22.59	45	75 - 125	^ F

Matrix Spike - Batch: 460-20683

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-15
Client Matrix: Solid
Dilution: 40
Date Analyzed: 11/03/2009 0251
Date Prepared: 10/26/2009 1716

Analysis Batch: 460-23881
Prep Batch: 460-20683
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: b030251.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	4.5	41.3	34.00	71	75 - 125	^ F

Matrix Spike Insoluble - Batch: 460-20683

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-15
Client Matrix: Solid
Dilution: 500
Date Analyzed: 11/03/2009 0313
Date Prepared: 10/26/2009 1716

Analysis Batch: 460-23881
Prep Batch: 460-20683
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: b030313.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	4.5	731	455.8	62	75 - 125	^ F

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Duplicate - Batch: 460-20683

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-15
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 10/29/2009 0736
Date Prepared: 10/26/2009 1716

Analysis Batch: 460-23659
Prep Batch: 460-20683
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: a290736.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chromium (hexavalent)	3.9	7.86	67	20	^ F

Duplicate - Batch: 460-20683

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-15
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 11/03/2009 0237
Date Prepared: 10/26/2009 1716

Analysis Batch: 460-23881
Prep Batch: 460-20683
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: b030237.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chromium (hexavalent)	4.5	2.72	50	20	H ^

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Method Blank - Batch: 460-20684

Method: 7199
Preparation: 3060A

Lab Sample ID: MB 460-20684/1-A ^2
Client Matrix: Solid
Dilution: 2.0
Date Analyzed: 11/03/2009 0403
Date Prepared: 10/26/2009 1723

Analysis Batch: 460-23881
Prep Batch: 460-20684
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: b030403.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Chromium (hexavalent)	0.80	U ^	0.080	0.80

Lab Control Sample - Batch: 460-20684

Method: 7199
Preparation: 3060A

Lab Sample ID: LCS 460-20684/2-A ^25
Client Matrix: Solid
Dilution: 25
Date Analyzed: 11/03/2009 0425
Date Prepared: 10/26/2009 1723

Analysis Batch: 460-23881
Prep Batch: 460-20684
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: b030425.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	21.2	22.37	105	85 - 115	^

Lab Control Sample Insoluble - Batch: 460-20684

Method: 7199
Preparation: 3060A

Lab Sample ID: LCSI 460-20684/3-A ^500
Client Matrix: Solid
Dilution: 500
Date Analyzed: 11/03/2009 0432
Date Prepared: 10/26/2009 1723

Analysis Batch: 460-23881
Prep Batch: 460-20684
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: b030432.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	708	621.9	88	80 - 120	^

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Matrix Spike - Batch: 460-20684

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-17
Client Matrix: Solid
Dilution: 40
Date Analyzed: 11/03/2009 0539
Date Prepared: 10/26/2009 1723

Analysis Batch: 460-23881
Prep Batch: 460-20684
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: b030539.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	3.6	41.6	31.60	67	75 - 125	^ F

Matrix Spike Insoluble - Batch: 460-20684

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-17
Client Matrix: Solid
Dilution: 500
Date Analyzed: 11/03/2009 0553
Date Prepared: 10/26/2009 1723

Analysis Batch: 460-23881
Prep Batch: 460-20684
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: b030553.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	3.6	735	364.1	49	75 - 125	^ F

Duplicate - Batch: 460-20684

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-6741-17
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 11/03/2009 0517
Date Prepared: 10/26/2009 1723

Analysis Batch: 460-23881
Prep Batch: 460-20684
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: b030517.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chromium (hexavalent)	3.6	0.811	127	20	J H ^ F

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Duplicate - Batch: 460-20072

Method: Moisture
Preparation: N/A

Lab Sample ID: 460-6852-B-1 DU
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/19/2009 2142
Date Prepared: N/A

Analysis Batch: 460-20072
Prep Batch: N/A
Units: %

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	37.0	5.66	147	20	F
Percent Solids	63.0	94.3	40	20	F

Duplicate - Batch: 460-20072

Method: Moisture
Preparation: N/A

Lab Sample ID: 460-6928-A-7 DU
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/19/2009 2142
Date Prepared: N/A

Analysis Batch: 460-20072
Prep Batch: N/A
Units: %

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	13.4	12.6	6	20	
Percent Solids	86.6	87.4	1	20	

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

DATA REPORTING QUALIFIERS

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Lab Section	Qualifier	Description
General Chemistry		
	B	Compound was found in the blank and sample.
	U	Indicates the analyte was analyzed for but not detected.
	^	Instrument related QC exceeds the control limits
	F	MS/MSD Recovery or RPD exceeds the control limits
	W	PS: Post-digestion spike was outside control limits
	*	Recovery or RPD exceeds control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	H	Sample was prepped or analyzed beyond the specified holding time

Preliminary Data

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:460-20072					
460-6741-1	AB07939	T	Solid	Moisture	
460-6741-2	AB07940	T	Solid	Moisture	
460-6741-3	AB07941	T	Solid	Moisture	
460-6741-4	AB07942	T	Solid	Moisture	
460-6741-5	AB07943	T	Solid	Moisture	
460-6741-6	AB07944	T	Solid	Moisture	
460-6741-7	AB07945	T	Solid	Moisture	
460-6741-8	AB07946	T	Solid	Moisture	
460-6741-9	AB07947	T	Solid	Moisture	
460-6741-10	AB07948	T	Solid	Moisture	
460-6741-11	AB07949	T	Solid	Moisture	
460-6741-12	AB07950	T	Solid	Moisture	
460-6741-13	AB07951	T	Solid	Moisture	
460-6741-14	AB07952	T	Solid	Moisture	
460-6741-15	AB07953	T	Solid	Moisture	
460-6741-16	AB07954	T	Solid	Moisture	
460-6741-17	AB07955	T	Solid	Moisture	
460-6852-B-1 DU	Duplicate	T	Solid	Moisture	
460-6928-A-7 DU	Duplicate	T	Solid	Moisture	
Prep Batch: 460-20674					
LCS 460-20674/2-A ^25	Lab Control Sample	T	Solid	3060A	
LCSI 460-20674/3-A ^500	Lab Control Sample Insoluble	T	Solid	3060A	
MB 460-20674/1-A ^2	Method Blank	T	Solid	3060A	
460-6741-1	AB07939	T	Solid	3060A	
460-6741-1DU	Duplicate	T	Solid	3060A	
460-6741-1MS	Matrix Spike	T	Solid	3060A	
460-6741-1	Matrix Spike Insoluble	T	Solid	3060A	
Prep Batch: 460-20676					
LCS 460-20676/2-A ^25	Lab Control Sample	T	Solid	3060A	
LCSI 460-20676/3-A ^500	Lab Control Sample Insoluble	T	Solid	3060A	
MB 460-20676/1-A ^2	Method Blank	T	Solid	3060A	
460-6741-2	AB07940	T	Solid	3060A	
460-6741-2DU	Duplicate	T	Solid	3060A	
460-6741-2MS	Matrix Spike	T	Solid	3060A	
460-6741-2	Matrix Spike Insoluble	T	Solid	3060A	
460-6741-3	AB07941	T	Solid	3060A	
460-6741-4	AB07942	T	Solid	3060A	

Preliminary Data

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 460-20678					
LCS 460-20678/2-A ^25	Lab Control Sample	T	Solid	3060A	
LCSI 460-20678/3-A ^500	Lab Control Sample Insoluble	T	Solid	3060A	
MB 460-20678/1-A ^2	Method Blank	T	Solid	3060A	
460-6741-5	AB07943	T	Solid	3060A	
460-6741-5DU	Duplicate	T	Solid	3060A	
460-6741-5MS	Matrix Spike	T	Solid	3060A	
460-6741-5	Matrix Spike Insoluble	T	Solid	3060A	
Prep Batch: 460-20679					
LCS 460-20679/2-A ^25	Lab Control Sample	T	Solid	3060A	
LCSI 460-20679/3-A ^500	Lab Control Sample Insoluble	T	Solid	3060A	
MB 460-20679/1-A ^2	Method Blank	T	Solid	3060A	
460-6741-6	AB07944	T	Solid	3060A	
460-6741-6DU	Duplicate	T	Solid	3060A	
460-6741-6MS	Matrix Spike	T	Solid	3060A	
460-6741-6	Matrix Spike Insoluble	T	Solid	3060A	
460-6741-7	AB07945	T	Solid	3060A	
Prep Batch: 460-20680					
LCS 460-20680/2-A ^25	Lab Control Sample	T	Solid	3060A	
LCSI 460-20680/3-A ^500	Lab Control Sample Insoluble	T	Solid	3060A	
MB 460-20680/1-A ^2	Method Blank	T	Solid	3060A	
460-6741-8	AB07946	T	Solid	3060A	
460-6741-8DU	Duplicate	T	Solid	3060A	
460-6741-8MS	Matrix Spike	T	Solid	3060A	
460-6741-8	Matrix Spike Insoluble	T	Solid	3060A	
460-6741-9	AB07947	T	Solid	3060A	
460-6741-10	AB07948	T	Solid	3060A	
Prep Batch: 460-20681					
LCS 460-20681/2-A ^25	Lab Control Sample	T	Solid	3060A	
LCSI 460-20681/3-A ^500	Lab Control Sample Insoluble	T	Solid	3060A	
MB 460-20681/1-A ^2	Method Blank	T	Solid	3060A	
460-6741-11	AB07949	T	Solid	3060A	
460-6741-11DU	Duplicate	T	Solid	3060A	
460-6741-11MS	Matrix Spike	T	Solid	3060A	
460-6741-11	Matrix Spike Insoluble	T	Solid	3060A	
460-6741-12	AB07950	T	Solid	3060A	
460-6741-13	AB07951	T	Solid	3060A	

Preliminary Data

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 460-20682					
LCS 460-20682/2-A ^25	Lab Control Sample	T	Solid	3060A	
LCSI 460-20682/3-A ^500	Lab Control Sample Insoluble	T	Solid	3060A	
MB 460-20682/1-A ^2	Method Blank	T	Solid	3060A	
460-6741-14	AB07952	T	Solid	3060A	
460-6741-14DU	Duplicate	T	Solid	3060A	
460-6741-14MS	Matrix Spike	T	Solid	3060A	
460-6741-14	Matrix Spike Insoluble	T	Solid	3060A	
Prep Batch: 460-20683					
LCS 460-20683/2-A ^25	Lab Control Sample	T	Solid	3060A	
LCSI 460-20683/3-A ^500	Lab Control Sample Insoluble	T	Solid	3060A	
MB 460-20683/1-A ^2	Method Blank	T	Solid	3060A	
460-6741-15	AB07953	T	Solid	3060A	
460-6741-15DU	Duplicate	T	Solid	3060A	
460-6741-15MS	Matrix Spike	T	Solid	3060A	
460-6741-15	Matrix Spike Insoluble	T	Solid	3060A	
460-6741-16	AB07954	T	Solid	3060A	
Prep Batch: 460-20684					
LCS 460-20684/2-A ^25	Lab Control Sample	T	Solid	3060A	
LCSI 460-20684/3-A ^500	Lab Control Sample Insoluble	T	Solid	3060A	
MB 460-20684/1-A ^2	Method Blank	T	Solid	3060A	
460-6741-17	AB07955	T	Solid	3060A	
460-6741-17DU	Duplicate	T	Solid	3060A	
460-6741-17MS	Matrix Spike	T	Solid	3060A	
460-6741-17	Matrix Spike Insoluble	T	Solid	3060A	

Preliminary Data

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:460-22883					
LCS 460-20674/2-A ^25	Lab Control Sample	T	Solid	7199	460-20674
LCSI 460-20674/3-A ^500	Lab Control Sample Insoluble	T	Solid	7199	460-20674
MB 460-20674/1-A ^2	Method Blank	T	Solid	7199	460-20674
LCS 460-20676/2-A ^25	Lab Control Sample	T	Solid	7199	460-20676
LCSI 460-20676/3-A ^500	Lab Control Sample Insoluble	T	Solid	7199	460-20676
MB 460-20676/1-A ^2	Method Blank	T	Solid	7199	460-20676
LCS 460-20678/2-A ^25	Lab Control Sample	T	Solid	7199	460-20678
LCSI 460-20678/3-A ^500	Lab Control Sample Insoluble	T	Solid	7199	460-20678
MB 460-20678/1-A ^2	Method Blank	T	Solid	7199	460-20678
LCS 460-20679/2-A ^25	Lab Control Sample	T	Solid	7199	460-20679
LCSI 460-20679/3-A ^500	Lab Control Sample Insoluble	T	Solid	7199	460-20679
MB 460-20679/1-A ^2	Method Blank	T	Solid	7199	460-20679
LCS 460-20680/2-A ^25	Lab Control Sample	T	Solid	7199	460-20680
LCSI 460-20680/3-A ^500	Lab Control Sample Insoluble	T	Solid	7199	460-20680
MB 460-20680/1-A ^2	Method Blank	T	Solid	7199	460-20680
LCS 460-20681/2-A ^25	Lab Control Sample	T	Solid	7199	460-20681
LCSI 460-20681/3-A ^500	Lab Control Sample Insoluble	T	Solid	7199	460-20681
MB 460-20681/1-A ^2	Method Blank	T	Solid	7199	460-20681
460-6741-1	AB07939	T	Solid	7199	460-20674
460-6741-1DU	Duplicate	T	Solid	7199	460-20674
460-6741-1MS	Matrix Spike	T	Solid	7199	460-20674
460-6741-1	Matrix Spike Insoluble	T	Solid	7199	460-20674
460-6741-2	AB07940	T	Solid	7199	460-20676
460-6741-2DU	Duplicate	T	Solid	7199	460-20676
460-6741-2MS	Matrix Spike	T	Solid	7199	460-20676
460-6741-2	Matrix Spike Insoluble	T	Solid	7199	460-20676
460-6741-3	AB07941	T	Solid	7199	460-20676
460-6741-4	AB07942	T	Solid	7199	460-20676
460-6741-5	AB07943	T	Solid	7199	460-20678
460-6741-5DU	Duplicate	T	Solid	7199	460-20678
460-6741-5MS	Matrix Spike	T	Solid	7199	460-20678
460-6741-5	Matrix Spike Insoluble	T	Solid	7199	460-20678
460-6741-6	AB07944	T	Solid	7199	460-20679
460-6741-6DU	Duplicate	T	Solid	7199	460-20679
460-6741-6MS	Matrix Spike	T	Solid	7199	460-20679
460-6741-6	Matrix Spike Insoluble	T	Solid	7199	460-20679
460-6741-7	AB07945	T	Solid	7199	460-20679
460-6741-8	AB07946	T	Solid	7199	460-20680
460-6741-8DU	Duplicate	T	Solid	7199	460-20680
460-6741-8MS	Matrix Spike	T	Solid	7199	460-20680
460-6741-8	Matrix Spike Insoluble	T	Solid	7199	460-20680
460-6741-9	AB07947	T	Solid	7199	460-20680
460-6741-10	AB07948	T	Solid	7199	460-20680
460-6741-11	AB07949	T	Solid	7199	460-20681
460-6741-11DU	Duplicate	T	Solid	7199	460-20681

Preliminary Data

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:460-23659					
LCS 460-20674/2-A ^25	Lab Control Sample	T	Solid	7199	460-20674
LCSI 460-20674/3-A ^500	Lab Control Sample Insoluble	T	Solid	7199	460-20674
MB 460-20674/1-A ^2	Method Blank	T	Solid	7199	460-20674
LCS 460-20676/2-A ^25	Lab Control Sample	T	Solid	7199	460-20676
LCSI 460-20676/3-A ^500	Lab Control Sample Insoluble	T	Solid	7199	460-20676
MB 460-20676/1-A ^2	Method Blank	T	Solid	7199	460-20676
LCS 460-20678/2-A ^25	Lab Control Sample	T	Solid	7199	460-20678
LCSI 460-20678/3-A ^500	Lab Control Sample Insoluble	T	Solid	7199	460-20678
MB 460-20678/1-A ^2	Method Blank	T	Solid	7199	460-20678
LCS 460-20679/2-A ^25	Lab Control Sample	T	Solid	7199	460-20679
LCSI 460-20679/3-A ^500	Lab Control Sample Insoluble	T	Solid	7199	460-20679
MB 460-20679/1-A ^2	Method Blank	T	Solid	7199	460-20679
LCS 460-20680/2-A ^25	Lab Control Sample	T	Solid	7199	460-20680
LCSI 460-20680/3-A ^500	Lab Control Sample Insoluble	T	Solid	7199	460-20680
MB 460-20680/1-A ^2	Method Blank	T	Solid	7199	460-20680
LCS 460-20681/2-A ^25	Lab Control Sample	T	Solid	7199	460-20681
LCSI 460-20681/3-A ^500	Lab Control Sample Insoluble	T	Solid	7199	460-20681
MB 460-20681/1-A ^2	Method Blank	T	Solid	7199	460-20681
LCS 460-20682/2-A ^25	Lab Control Sample	T	Solid	7199	460-20682
LCSI 460-20682/3-A ^500	Lab Control Sample Insoluble	T	Solid	7199	460-20682
MB 460-20682/1-A ^2	Method Blank	T	Solid	7199	460-20682
LCS 460-20683/2-A ^25	Lab Control Sample	T	Solid	7199	460-20683
LCSI 460-20683/3-A ^500	Lab Control Sample Insoluble	T	Solid	7199	460-20683
MB 460-20683/1-A ^2	Method Blank	T	Solid	7199	460-20683
460-6741-1	AB07939	T	Solid	7199	460-20674
460-6741-1DU	Duplicate	T	Solid	7199	460-20674
460-6741-1MS	Matrix Spike	T	Solid	7199	460-20674
460-6741-1	Matrix Spike Insoluble	T	Solid	7199	460-20674
460-6741-2	AB07940	T	Solid	7199	460-20676
460-6741-2DU	Duplicate	T	Solid	7199	460-20676
460-6741-2MS	Matrix Spike	T	Solid	7199	460-20676
460-6741-2	Matrix Spike Insoluble	T	Solid	7199	460-20676
460-6741-3	AB07941	T	Solid	7199	460-20676
460-6741-4	AB07942	T	Solid	7199	460-20676
460-6741-5	AB07943	T	Solid	7199	460-20678
460-6741-5DU	Duplicate	T	Solid	7199	460-20678
460-6741-5MS	Matrix Spike	T	Solid	7199	460-20678
460-6741-5	Matrix Spike Insoluble	T	Solid	7199	460-20678
460-6741-6	AB07944	T	Solid	7199	460-20679
460-6741-6DU	Duplicate	T	Solid	7199	460-20679
460-6741-6MS	Matrix Spike	T	Solid	7199	460-20679
460-6741-6	Matrix Spike Insoluble	T	Solid	7199	460-20679
460-6741-7	AB07945	T	Solid	7199	460-20679
460-6741-8	AB07946	T	Solid	7199	460-20680
460-6741-8DU	Duplicate	T	Solid	7199	460-20680
460-6741-8MS	Matrix Spike	T	Solid	7199	460-20680

Preliminary Data

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:460-23659					
460-6741-8	Matrix Spike Insoluble	T	Solid	7199	460-20680
460-6741-9	AB07947	T	Solid	7199	460-20680
460-6741-10	AB07948	T	Solid	7199	460-20680
460-6741-11	AB07949	T	Solid	7199	460-20681
460-6741-11DU	Duplicate	T	Solid	7199	460-20681
460-6741-11MS	Matrix Spike	T	Solid	7199	460-20681
460-6741-11	Matrix Spike Insoluble	T	Solid	7199	460-20681
460-6741-12	AB07950	T	Solid	7199	460-20681
460-6741-13	AB07951	T	Solid	7199	460-20681
460-6741-14	AB07952	T	Solid	7199	460-20682
460-6741-14DU	Duplicate	T	Solid	7199	460-20682
460-6741-14MS	Matrix Spike	T	Solid	7199	460-20682
460-6741-14	Matrix Spike Insoluble	T	Solid	7199	460-20682
460-6741-15	AB07953	T	Solid	7199	460-20683
460-6741-15DU	Duplicate	T	Solid	7199	460-20683
460-6741-15MS	Matrix Spike	T	Solid	7199	460-20683
Analysis Batch:460-23881					
LCS 460-20683/2-A ^25	Lab Control Sample	T	Solid	7199	460-20683
LCSI 460-20683/3-A ^500	Lab Control Sample Insoluble	T	Solid	7199	460-20683
MB 460-20683/1-A ^2	Method Blank	T	Solid	7199	460-20683
LCS 460-20684/2-A ^25	Lab Control Sample	T	Solid	7199	460-20684
LCSI 460-20684/3-A ^500	Lab Control Sample Insoluble	T	Solid	7199	460-20684
MB 460-20684/1-A ^2	Method Blank	T	Solid	7199	460-20684
460-6741-15	AB07953	T	Solid	7199	460-20683
460-6741-15DU	Duplicate	T	Solid	7199	460-20683
460-6741-15MS	Matrix Spike	T	Solid	7199	460-20683
460-6741-15	Matrix Spike Insoluble	T	Solid	7199	460-20683
460-6741-16	AB07954	T	Solid	7199	460-20683
460-6741-17	AB07955	T	Solid	7199	460-20684
460-6741-17DU	Duplicate	T	Solid	7199	460-20684
460-6741-17MS	Matrix Spike	T	Solid	7199	460-20684
460-6741-17	Matrix Spike Insoluble	T	Solid	7199	460-20684

Report Basis

T = Total

Preliminary Data

Client: Missouri Department of Natural Resources Job Number: 460-6741-1

Laboratory Chronicle

Lab ID: 460-6741-1 **Client ID:** AB07939

Sample Date/Time: 10/02/2009 10:53 Received Date/Time: 10/14/2009 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-6741-A-1-A ^2		460-22883	460-20674	10/26/2009 16:38	2	TAL EDI	JC
A:7199	460-6741-A-1-A ^2		460-22883	460-20674	10/27/2009 18:53	2	TAL EDI	LE
P:3060A	460-6741-A-1-A ^5		460-23659	460-20674	10/26/2009 16:38	5	TAL EDI	JC
A:7199	460-6741-A-1-A ^5		460-23659	460-20674	10/28/2009 12:15	5	TAL EDI	LE
A:Moisture	460-6741-A-1		460-20072		10/19/2009 21:42	1	TAL EDI	CR

Lab ID: 460-6741-1 **Client ID:** AB07939

Sample Date/Time: 10/02/2009 10:53 Received Date/Time: 10/14/2009 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-6741-A-1-C MS ^40		460-22883	460-20674	10/26/2009 16:38	40	TAL EDI	JC
A:7199	460-6741-A-1-C MS ^40		460-22883	460-20674	10/27/2009 19:45	40	TAL EDI	LE
P:3060A	460-6741-A-1-C MS ^40		460-23659	460-20674	10/26/2009 16:38	40	TAL EDI	JC
A:7199	460-6741-A-1-C MS ^40		460-23659	460-20674	10/28/2009 13:11	40	TAL EDI	LE

Lab ID: 460-6741-1 **Client ID:** AB07939

Sample Date/Time: 10/02/2009 10:53 Received Date/Time: 10/14/2009 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-6741-A-1-B DU ^2		460-22883	460-20674	10/26/2009 16:38	2	TAL EDI	JC
A:7199	460-6741-A-1-B DU ^2		460-22883	460-20674	10/27/2009 19:16	2	TAL EDI	LE
P:3060A	460-6741-A-1-B DU ^5		460-23659	460-20674	10/26/2009 16:38	5	TAL EDI	JC
A:7199	460-6741-A-1-B DU ^5		460-23659	460-20674	10/28/2009 12:43	5	TAL EDI	LE

Lab ID: 460-6741-2 **Client ID:** AB07940

Sample Date/Time: 10/02/2009 10:54 Received Date/Time: 10/14/2009 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-6741-A-2-A ^2		460-22883	460-20676	10/26/2009 16:51	2	TAL EDI	JC
A:7199	460-6741-A-2-A ^2		460-22883	460-20676	10/27/2009 21:21	2	TAL EDI	LE
P:3060A	460-6741-A-2-A ^5		460-23659	460-20676	10/26/2009 16:51	5	TAL EDI	JC
A:7199	460-6741-A-2-A ^5		460-23659	460-20676	10/28/2009 14:54	5	TAL EDI	LE
A:Moisture	460-6741-A-2		460-20072		10/19/2009 21:42	1	TAL EDI	CR

Preliminary Data

Client: Missouri Department of Natural Resources Job Number: 460-6741-1

Laboratory Chronicle

Lab ID: **460-6741-2 MS** **Client ID:** **AB07940**

Sample Date/Time: 10/02/2009 10:54 Received Date/Time: 10/14/2009 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-6741-A-2-C MS ^40		460-22883	460-20676	10/26/2009 16:51	40	TAL EDI	JC
A:7199	460-6741-A-2-C MS ^40		460-22883	460-20676	10/27/2009 21:50	40	TAL EDI	LE
P:3060A	460-6741-A-2-C MS ^40		460-23659	460-20676	10/26/2009 16:51	40	TAL EDI	JC
A:7199	460-6741-A-2-C MS ^40		460-23659	460-20676	10/28/2009 15:23	40	TAL EDI	LE

Lab ID: **460-6741-2** **Client ID:** **AB07940**

Sample Date/Time: 10/02/2009 10:54 Received Date/Time: 10/14/2009 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-6741-A-2-B DU ^2		460-22883	460-20676	10/26/2009 16:51	2	TAL EDI	JC
A:7199	460-6741-A-2-B DU ^2		460-22883	460-20676	10/27/2009 21:43	2	TAL EDI	LE
P:3060A	460-6741-A-2-B DU ^5		460-23659	460-20676	10/26/2009 16:51	5	TAL EDI	JC
A:7199	460-6741-A-2-B DU ^5		460-23659	460-20676	10/28/2009 15:09	5	TAL EDI	LE

Lab ID: **460-6741-3** **Client ID:** **AB07941**

Sample Date/Time: 10/02/2009 10:54 Received Date/Time: 10/14/2009 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-6741-A-3-A ^2		460-22883	460-20676	10/26/2009 16:51	2	TAL EDI	JC
A:7199	460-6741-A-3-A ^2		460-22883	460-20676	10/27/2009 22:34	2	TAL EDI	LE
P:3060A	460-6741-A-3-A ^5		460-23659	460-20676	10/26/2009 16:51	5	TAL EDI	JC
A:7199	460-6741-A-3-A ^5		460-23659	460-20676	10/28/2009 16:09	5	TAL EDI	LE
A:Moisture	460-6741-A-3		460-20072		10/19/2009 21:42	1	TAL EDI	CR

Lab ID: **460-6741-4** **Client ID:** **AB07942**

Sample Date/Time: 10/02/2009 10:56 Received Date/Time: 10/14/2009 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-6741-A-4-A ^2		460-22883	460-20676	10/26/2009 16:51	2	TAL EDI	JC
A:7199	460-6741-A-4-A ^2		460-22883	460-20676	10/27/2009 22:48	2	TAL EDI	LE
P:3060A	460-6741-A-4-A ^5		460-23659	460-20676	10/26/2009 16:51	5	TAL EDI	JC
A:7199	460-6741-A-4-A ^5		460-23659	460-20676	10/28/2009 16:40	5	TAL EDI	LE
A:Moisture	460-6741-A-4		460-20072		10/19/2009 21:42	1	TAL EDI	CR

Preliminary Data

Client: Missouri Department of Natural Resources Job Number: 460-6741-1

Laboratory Chronicle

Lab ID: 460-6741-5 **Client ID:** AB07943

Sample Date/Time: 10/02/2009 10:58 Received Date/Time: 10/14/2009 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-6741-A-5-A ^2		460-22883	460-20678	10/26/2009 16:56	2	TAL EDI	JC
A:7199	460-6741-A-5-A ^2		460-22883	460-20678	10/28/2009 00:16	2	TAL EDI	LE
P:3060A	460-6741-A-5-A ^5		460-23659	460-20678	10/26/2009 16:56	5	TAL EDI	JC
A:7199	460-6741-A-5-A ^5		460-23659	460-20678	10/28/2009 18:09	5	TAL EDI	LE
A:Moisture	460-6741-A-5		460-20072		10/19/2009 21:42	1	TAL EDI	CR

Lab ID: 460-6741-5 MS **Client ID:** AB07943

Sample Date/Time: 10/02/2009 10:58 Received Date/Time: 10/14/2009 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-6741-A-5-C MS ^40		460-22883	460-20678	10/26/2009 16:56	40	TAL EDI	JC
A:7199	460-6741-A-5-C MS ^40		460-22883	460-20678	10/28/2009 00:53	40	TAL EDI	LE
P:3060A	460-6741-A-5-C MS ^40		460-23659	460-20678	10/26/2009 16:56	40	TAL EDI	JC
A:7199	460-6741-A-5-C MS ^40		460-23659	460-20678	10/28/2009 18:32	40	TAL EDI	LE

Lab ID: 460-6741-5 **Client ID:** AB07943

Sample Date/Time: 10/02/2009 10:58 Received Date/Time: 10/14/2009 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-6741-A-5-B DU ^2		460-22883	460-20678	10/26/2009 16:56	2	TAL EDI	JC
A:7199	460-6741-A-5-B DU ^2		460-22883	460-20678	10/28/2009 00:31	2	TAL EDI	LE
P:3060A	460-6741-A-5-B DU ^5		460-23659	460-20678	10/26/2009 16:56	5	TAL EDI	JC
A:7199	460-6741-A-5-B DU ^5		460-23659	460-20678	10/28/2009 18:24	5	TAL EDI	LE

Lab ID: 460-6741-6 **Client ID:** AB07944

Sample Date/Time: 10/02/2009 11:00 Received Date/Time: 10/14/2009 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-6741-A-6-A ^2		460-22883	460-20679	10/26/2009 17:00	2	TAL EDI	JC
A:7199	460-6741-A-6-A ^2		460-22883	460-20679	10/28/2009 02:29	2	TAL EDI	LE
P:3060A	460-6741-A-6-A ^5		460-23659	460-20679	10/26/2009 17:00	5	TAL EDI	JC
A:7199	460-6741-A-6-A ^5		460-23659	460-20679	10/28/2009 20:15	5	TAL EDI	LE
A:Moisture	460-6741-A-6		460-20072		10/19/2009 21:42	1	TAL EDI	CR

Preliminary Data

Client: Missouri Department of Natural Resources Job Number: 460-6741-1

Laboratory Chronicle

Lab ID: 460-6741-6 **Client ID:** AB07944

Sample Date/Time: 10/02/2009 11:00 Received Date/Time: 10/14/2009 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-6741-A-6-C MS ^40		460-22883	460-20679	10/26/2009 17:00	40	TAL EDI	JC
A:7199	460-6741-A-6-C MS ^40		460-22883	460-20679	10/28/2009 03:20	40	TAL EDI	LE
P:3060A	460-6741-A-6-C MS ^40		460-23659	460-20679	10/26/2009 17:00	40	TAL EDI	JC
A:7199	460-6741-A-6-C MS ^40		460-23659	460-20679	10/28/2009 21:06	40	TAL EDI	LE

Lab ID: 460-6741-6 **Client ID:** AB07944

Sample Date/Time: 10/02/2009 11:00 Received Date/Time: 10/14/2009 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-6741-A-6-B DU ^2		460-22883	460-20679	10/26/2009 17:00	2	TAL EDI	JC
A:7199	460-6741-A-6-B DU ^2		460-22883	460-20679	10/28/2009 03:05	2	TAL EDI	LE
P:3060A	460-6741-A-6-B DU ^5		460-23659	460-20679	10/26/2009 17:00	5	TAL EDI	JC
A:7199	460-6741-A-6-B DU ^5		460-23659	460-20679	10/28/2009 20:44	5	TAL EDI	LE

Lab ID: 460-6741-7 **Client ID:** AB07945

Sample Date/Time: 10/02/2009 11:00 Received Date/Time: 10/14/2009 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-6741-A-7-A ^2		460-22883	460-20679	10/26/2009 17:00	2	TAL EDI	JC
A:7199	460-6741-A-7-A ^2		460-22883	460-20679	10/28/2009 03:41	2	TAL EDI	LE
P:3060A	460-6741-A-7-A ^5		460-23659	460-20679	10/26/2009 17:00	5	TAL EDI	JC
A:7199	460-6741-A-7-A ^5		460-23659	460-20679	10/28/2009 21:27	5	TAL EDI	LE
A:Moisture	460-6741-A-7		460-20072		10/19/2009 21:42	1	TAL EDI	CR

Lab ID: 460-6741-8 **Client ID:** AB07946

Sample Date/Time: 10/02/2009 11:02 Received Date/Time: 10/14/2009 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-6741-A-8-A ^2		460-22883	460-20680	10/26/2009 17:04	2	TAL EDI	JC
A:7199	460-6741-A-8-A ^2		460-22883	460-20680	10/28/2009 05:09	2	TAL EDI	LE
P:3060A	460-6741-A-8-A ^5		460-23659	460-20680	10/26/2009 17:04	5	TAL EDI	JC
A:7199	460-6741-A-8-A ^5		460-23659	460-20680	10/28/2009 23:03	5	TAL EDI	LE
A:Moisture	460-6741-A-8		460-20072		10/19/2009 21:42	1	TAL EDI	CR

Preliminary Data

Client: Missouri Department of Natural Resources Job Number: 460-6741-1

Laboratory Chronicle

Lab ID: **460-6741-8 MS** **Client ID:** **AB07946**

Sample Date/Time: 10/02/2009 11:02 Received Date/Time: 10/14/2009 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-6741-A-8-C MS ^40		460-22883	460-20680	10/26/2009 17:04	40	TAL EDI	JC
A:7199	460-6741-A-8-C MS ^40		460-22883	460-20680	10/28/2009 06:01	40	TAL EDI	LE
P:3060A	460-6741-A-8-C MS ^40		460-23659	460-20680	10/26/2009 17:04	40	TAL EDI	JC
A:7199	460-6741-A-8-C MS ^40		460-23659	460-20680	10/28/2009 23:40	40	TAL EDI	LE

Lab ID: **460-6741-8** **Client ID:** **AB07946**

Sample Date/Time: 10/02/2009 11:02 Received Date/Time: 10/14/2009 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-6741-A-8-B DU ^2		460-22883	460-20680	10/26/2009 17:04	2	TAL EDI	JC
A:7199	460-6741-A-8-B DU ^2		460-22883	460-20680	10/28/2009 05:32	2	TAL EDI	LE
P:3060A	460-6741-A-8-B DU ^5		460-23659	460-20680	10/26/2009 17:04	5	TAL EDI	JC
A:7199	460-6741-A-8-B DU ^5		460-23659	460-20680	10/28/2009 23:10	5	TAL EDI	LE

Lab ID: **460-6741-9** **Client ID:** **AB07947**

Sample Date/Time: 10/02/2009 11:02 Received Date/Time: 10/14/2009 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-6741-A-9-A ^2		460-22883	460-20680	10/26/2009 17:04	2	TAL EDI	JC
A:7199	460-6741-A-9-A ^2		460-22883	460-20680	10/28/2009 06:31	2	TAL EDI	LE
P:3060A	460-6741-A-9-A ^5		460-23659	460-20680	10/26/2009 17:04	5	TAL EDI	JC
A:7199	460-6741-A-9-A ^5		460-23659	460-20680	10/29/2009 00:09	5	TAL EDI	LE
A:Moisture	460-6741-A-9		460-20072		10/19/2009 21:42	1	TAL EDI	CR

Lab ID: **460-6741-10** **Client ID:** **AB07948**

Sample Date/Time: 10/02/2009 11:05 Received Date/Time: 10/14/2009 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-6741-A-10-A ^2		460-22883	460-20680	10/26/2009 17:04	2	TAL EDI	JC
A:7199	460-6741-A-10-A ^2		460-22883	460-20680	10/28/2009 06:38	2	TAL EDI	LE
P:3060A	460-6741-A-10-A ^5		460-23659	460-20680	10/26/2009 17:04	5	TAL EDI	JC
A:7199	460-6741-A-10-A ^5		460-23659	460-20680	10/29/2009 00:31	5	TAL EDI	LE
A:Moisture	460-6741-A-10		460-20072		10/19/2009 21:42	1	TAL EDI	CR

Preliminary Data

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Laboratory Chronicle

Lab ID: **460-6741-11** **Client ID:** **AB07949**

Sample Date/Time: 10/02/2009 11:07 Received Date/Time: 10/14/2009 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-6741-A-11-A ^2		460-22883	460-20681	10/26/2009 17:08	2	TAL EDI	JC
A:7199	460-6741-A-11-A ^2		460-22883	460-20681	10/28/2009 08:11	2	TAL EDI	LE
P:3060A	460-6741-A-11-A ^5		460-23659	460-20681	10/26/2009 17:08	5	TAL EDI	JC
A:7199	460-6741-A-11-A ^5		460-23659	460-20681	10/29/2009 01:51	5	TAL EDI	LE
A:Moisture	460-6741-A-11		460-20072		10/19/2009 21:42	1	TAL EDI	CR

Lab ID: **460-6741-11** **Client ID:** **AB07949**

Sample Date/Time: 10/02/2009 11:07 Received Date/Time: 10/14/2009 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-6741-A-11-C MS ^40		460-23659	460-20681	10/26/2009 17:08	40	TAL EDI	JC
A:7199	460-6741-A-11-C MS ^40		460-23659	460-20681	10/29/2009 02:43	40	TAL EDI	LE

Lab ID: **460-6741-11** **Client ID:** **AB07949**

Sample Date/Time: 10/02/2009 11:07 Received Date/Time: 10/14/2009 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-6741-A-11-B DU ^2		460-22883	460-20681	10/26/2009 17:08	2	TAL EDI	JC
A:7199	460-6741-A-11-B DU ^2		460-22883	460-20681	10/28/2009 08:26	2	TAL EDI	LE
P:3060A	460-6741-A-11-B DU ^5		460-23659	460-20681	10/26/2009 17:08	5	TAL EDI	JC
A:7199	460-6741-A-11-B DU ^5		460-23659	460-20681	10/29/2009 02:06	5	TAL EDI	LE

Lab ID: **460-6741-12** **Client ID:** **AB07950**

Sample Date/Time: 10/02/2009 11:10 Received Date/Time: 10/14/2009 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-6741-A-12-A ^5		460-23659	460-20681	10/26/2009 17:08	5	TAL EDI	JC
A:7199	460-6741-A-12-A ^5		460-23659	460-20681	10/29/2009 03:12	5	TAL EDI	LE
A:Moisture	460-6741-A-12		460-20072		10/19/2009 21:42	1	TAL EDI	CR

Preliminary Data

Client: Missouri Department of Natural Resources Job Number: 460-6741-1

Laboratory Chronicle

Lab ID: 460-6741-13 **Client ID:** AB07951

Sample Date/Time: 10/02/2009 10:53 Received Date/Time: 10/14/2009 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-6741-A-13-A ^5		460-23659	460-20681	10/26/2009 17:08	5	TAL EDI	JC
A:7199	460-6741-A-13-A ^5		460-23659	460-20681	10/29/2009 03:20	5	TAL EDI	LE
A:Moisture	460-6741-A-13		460-20072		10/19/2009 21:42	1	TAL EDI	CR

Lab ID: 460-6741-14 **Client ID:** AB07952

Sample Date/Time: 10/02/2009 10:56 Received Date/Time: 10/14/2009 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-6741-A-14-A ^5		460-23659	460-20682	10/26/2009 17:13	5	TAL EDI	JC
A:7199	460-6741-A-14-A ^5		460-23659	460-20682	10/29/2009 04:48	5	TAL EDI	LE
A:Moisture	460-6741-A-14		460-20072		10/19/2009 21:42	1	TAL EDI	CR

Lab ID: 460-6741-14 MS **Client ID:** AB07952

Sample Date/Time: 10/02/2009 10:56 Received Date/Time: 10/14/2009 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-6741-A-14-C MS ^40		460-23659	460-20682	10/26/2009 17:13	40	TAL EDI	JC
A:7199	460-6741-A-14-C MS ^40		460-23659	460-20682	10/29/2009 05:39	40	TAL EDI	LE

Lab ID: 460-6741-14 **Client ID:** AB07952

Sample Date/Time: 10/02/2009 10:56 Received Date/Time: 10/14/2009 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-6741-A-14-B DU ^5		460-23659	460-20682	10/26/2009 17:13	5	TAL EDI	JC
A:7199	460-6741-A-14-B DU ^5		460-23659	460-20682	10/29/2009 05:02	5	TAL EDI	LE

Lab ID: 460-6741-15 **Client ID:** AB07953

Sample Date/Time: 10/02/2009 11:02 Received Date/Time: 10/14/2009 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-6741-A-15-A ^5		460-23659	460-20683	10/26/2009 17:16	5	TAL EDI	JC
A:7199	460-6741-A-15-A ^5		460-23659	460-20683	10/29/2009 07:14	5	TAL EDI	LE
P:3060A	460-6741-A-15-A ^5		460-23881	460-20683	10/26/2009 17:16	5	TAL EDI	JC
A:7199	460-6741-A-15-A ^5		460-23881	460-20683	11/03/2009 02:22	5	TAL EDI	LE
A:Moisture	460-6741-A-15		460-20072		10/19/2009 21:42	1	TAL EDI	CR

Preliminary Data

Client: Missouri Department of Natural Resources Job Number: 460-6741-1

Laboratory Chronicle

Lab ID: **460-6741-15 MS** **Client ID:** **AB07953**

Sample Date/Time: 10/02/2009 11:02 Received Date/Time: 10/14/2009 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-6741-A-15-C MS ^40		460-23659	460-20683	10/26/2009 17:16	40	TAL EDI	JC
A:7199	460-6741-A-15-C MS ^40		460-23659	460-20683	10/29/2009 07:44	40	TAL EDI	LE
P:3060A	460-6741-A-15-C MS ^40		460-23881	460-20683	10/26/2009 17:16	40	TAL EDI	JC
A:7199	460-6741-A-15-C MS ^40		460-23881	460-20683	11/03/2009 02:51	40	TAL EDI	LE

Lab ID: **460-6741-15** **Client ID:** **AB07953**

Sample Date/Time: 10/02/2009 11:02 Received Date/Time: 10/14/2009 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-6741-A-15-B DU ^5		460-23659	460-20683	10/26/2009 17:16	5	TAL EDI	JC
A:7199	460-6741-A-15-B DU ^5		460-23659	460-20683	10/29/2009 07:36	5	TAL EDI	LE
P:3060A	460-6741-A-15-B DU ^5		460-23881	460-20683	10/26/2009 17:16	5	TAL EDI	JC
A:7199	460-6741-A-15-B DU ^5		460-23881	460-20683	11/03/2009 02:37	5	TAL EDI	LE

Lab ID: **460-6741-16** **Client ID:** **AB07954**

Sample Date/Time: 10/02/2009 11:07 Received Date/Time: 10/14/2009 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-6741-A-16-A ^5		460-23881	460-20683	10/26/2009 17:16	5	TAL EDI	JC
A:7199	460-6741-A-16-A ^5		460-23881	460-20683	11/03/2009 03:42	5	TAL EDI	LE
A:Moisture	460-6741-A-16		460-20072		10/19/2009 21:42	1	TAL EDI	CR

Lab ID: **460-6741-17** **Client ID:** **AB07955**

Sample Date/Time: 10/02/2009 11:10 Received Date/Time: 10/14/2009 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-6741-A-17-A ^5		460-23881	460-20684	10/26/2009 17:23	5	TAL EDI	JC
A:7199	460-6741-A-17-A ^5		460-23881	460-20684	11/03/2009 05:09	5	TAL EDI	LE
A:Moisture	460-6741-A-17		460-20072		10/19/2009 21:42	1	TAL EDI	CR

Preliminary Data

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Laboratory Chronicle

Lab ID: **460-6741-17 MS** **Client ID:** **AB07955**

Sample Date/Time: 10/02/2009 11:10 Received Date/Time: 10/14/2009 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-6741-A-17-C MS ^40		460-23881	460-20684	10/26/2009 17:23	40	TAL EDI	JC
A:7199	460-6741-A-17-C MS ^40		460-23881	460-20684	11/03/2009 05:39	40	TAL EDI	LE

Lab ID: **460-6741-17** **Client ID:** **AB07955**

Sample Date/Time: 10/02/2009 11:10 Received Date/Time: 10/14/2009 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-6741-A-17-B DU ^5		460-23881	460-20684	10/26/2009 17:23	5	TAL EDI	JC
A:7199	460-6741-A-17-B DU ^5		460-23881	460-20684	11/03/2009 05:17	5	TAL EDI	LE

Preliminary Data

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Laboratory Chronicle

Lab ID: **MB** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	MB 460-20674/1-A ^2		460-22883	460-20674	10/26/2009 16:38	2	TAL EDI	JC
A:7199	MB 460-20674/1-A ^2		460-22883	460-20674	10/27/2009 18:01	2	TAL EDI	LE
P:3060A	MB 460-20676/1-A ^2		460-22883	460-20676	10/26/2009 16:51	2	TAL EDI	JC
A:7199	MB 460-20676/1-A ^2		460-22883	460-20676	10/27/2009 20:30	2	TAL EDI	LE
P:3060A	MB 460-20678/1-A ^2		460-22883	460-20678	10/26/2009 16:56	2	TAL EDI	JC
A:7199	MB 460-20678/1-A ^2		460-22883	460-20678	10/27/2009 23:17	2	TAL EDI	LE
P:3060A	MB 460-20679/1-A ^2		460-22883	460-20679	10/26/2009 17:00	2	TAL EDI	JC
A:7199	MB 460-20679/1-A ^2		460-22883	460-20679	10/28/2009 01:45	2	TAL EDI	LE
P:3060A	MB 460-20680/1-A ^2		460-22883	460-20680	10/26/2009 17:04	2	TAL EDI	JC
A:7199	MB 460-20680/1-A ^2		460-22883	460-20680	10/28/2009 04:25	2	TAL EDI	LE
P:3060A	MB 460-20681/1-A ^2		460-22883	460-20681	10/26/2009 17:08	2	TAL EDI	JC
A:7199	MB 460-20681/1-A ^2		460-22883	460-20681	10/28/2009 07:29	2	TAL EDI	LE
P:3060A	MB 460-20674/1-A ^2		460-23659	460-20674	10/26/2009 16:38	2	TAL EDI	JC
A:7199	MB 460-20674/1-A ^2		460-23659	460-20674	10/28/2009 11:39	2	TAL EDI	LE
P:3060A	MB 460-20676/1-A ^2		460-23659	460-20676	10/26/2009 16:51	2	TAL EDI	JC
A:7199	MB 460-20676/1-A ^2		460-23659	460-20676	10/28/2009 14:03	2	TAL EDI	LE
P:3060A	MB 460-20678/1-A ^2		460-23659	460-20678	10/26/2009 16:56	2	TAL EDI	JC
A:7199	MB 460-20678/1-A ^2		460-23659	460-20678	10/28/2009 17:03	2	TAL EDI	LE
P:3060A	MB 460-20678/1-A ^2		460-23659	460-20678	10/26/2009 16:56	2	TAL EDI	JC
A:7199	MB 460-20678/1-A ^2		460-23659	460-20678	10/28/2009 17:11	2	TAL EDI	LE
P:3060A	MB 460-20679/1-A ^2		460-23659	460-20679	10/26/2009 17:00	2	TAL EDI	JC
A:7199	MB 460-20679/1-A ^2		460-23659	460-20679	10/28/2009 19:38	2	TAL EDI	LE
P:3060A	MB 460-20680/1-A ^2		460-23659	460-20680	10/26/2009 17:04	2	TAL EDI	JC
A:7199	MB 460-20680/1-A ^2		460-23659	460-20680	10/28/2009 22:19	2	TAL EDI	LE
P:3060A	MB 460-20681/1-A ^2		460-23659	460-20681	10/26/2009 17:08	2	TAL EDI	JC
A:7199	MB 460-20681/1-A ^2		460-23659	460-20681	10/29/2009 01:15	2	TAL EDI	LE
P:3060A	MB 460-20682/1-A ^2		460-23659	460-20682	10/26/2009 17:13	2	TAL EDI	JC
A:7199	MB 460-20682/1-A ^2		460-23659	460-20682	10/29/2009 04:11	2	TAL EDI	LE
P:3060A	MB 460-20683/1-A ^2		460-23659	460-20683	10/26/2009 17:16	2	TAL EDI	JC
A:7199	MB 460-20683/1-A ^2		460-23659	460-20683	10/29/2009 06:15	2	TAL EDI	LE
P:3060A	MB 460-20683/1-A ^2		460-23881	460-20683	10/26/2009 17:16	2	TAL EDI	JC
A:7199	MB 460-20683/1-A ^2		460-23881	460-20683	11/03/2009 01:24	2	TAL EDI	LE
P:3060A	MB 460-20684/1-A ^2		460-23881	460-20684	10/26/2009 17:23	2	TAL EDI	JC
A:7199	MB 460-20684/1-A ^2		460-23881	460-20684	11/03/2009 04:03	2	TAL EDI	LE

Preliminary Data

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Laboratory Chronicle

Lab ID: **LCS** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	LCS 460-20674/2-A ^25		460-22883	460-20674	10/26/2009 16:38	25	TAL EDI	JC
A:7199	LCS 460-20674/2-A ^25		460-22883	460-20674	10/27/2009 18:31	25	TAL EDI	LE
P:3060A	LCS 460-20676/2-A ^25		460-22883	460-20676	10/26/2009 16:51	25	TAL EDI	JC
A:7199	LCS 460-20676/2-A ^25		460-22883	460-20676	10/27/2009 20:37	25	TAL EDI	LE
P:3060A	LCS 460-20678/2-A ^25		460-22883	460-20678	10/26/2009 16:56	25	TAL EDI	JC
A:7199	LCS 460-20678/2-A ^25		460-22883	460-20678	10/27/2009 23:39	25	TAL EDI	LE
P:3060A	LCS 460-20679/2-A ^25		460-22883	460-20679	10/26/2009 17:00	25	TAL EDI	JC
A:7199	LCS 460-20679/2-A ^25		460-22883	460-20679	10/28/2009 02:07	25	TAL EDI	LE
P:3060A	LCS 460-20680/2-A ^25		460-22883	460-20680	10/26/2009 17:04	25	TAL EDI	JC
A:7199	LCS 460-20680/2-A ^25		460-22883	460-20680	10/28/2009 04:47	25	TAL EDI	LE
P:3060A	LCS 460-20681/2-A ^25		460-22883	460-20681	10/26/2009 17:08	25	TAL EDI	JC
A:7199	LCS 460-20681/2-A ^25		460-22883	460-20681	10/28/2009 07:44	25	TAL EDI	LE
P:3060A	LCS 460-20674/2-A ^25		460-23659	460-20674	10/26/2009 16:38	25	TAL EDI	JC
A:7199	LCS 460-20674/2-A ^25		460-23659	460-20674	10/28/2009 11:53	25	TAL EDI	LE
P:3060A	LCS 460-20676/2-A ^25		460-23659	460-20676	10/26/2009 16:51	25	TAL EDI	JC
A:7199	LCS 460-20676/2-A ^25		460-23659	460-20676	10/28/2009 14:10	25	TAL EDI	LE
P:3060A	LCS 460-20678/2-A ^25		460-23659	460-20678	10/26/2009 16:56	25	TAL EDI	JC
A:7199	LCS 460-20678/2-A ^25		460-23659	460-20678	10/28/2009 17:25	25	TAL EDI	LE
P:3060A	LCS 460-20679/2-A ^25		460-23659	460-20679	10/26/2009 17:00	25	TAL EDI	JC
A:7199	LCS 460-20679/2-A ^25		460-23659	460-20679	10/28/2009 19:53	25	TAL EDI	LE
P:3060A	LCS 460-20680/2-A ^25		460-23659	460-20680	10/26/2009 17:04	25	TAL EDI	JC
A:7199	LCS 460-20680/2-A ^25		460-23659	460-20680	10/28/2009 22:33	25	TAL EDI	LE
P:3060A	LCS 460-20681/2-A ^25		460-23659	460-20681	10/26/2009 17:08	25	TAL EDI	JC
A:7199	LCS 460-20681/2-A ^25		460-23659	460-20681	10/29/2009 01:30	25	TAL EDI	LE
P:3060A	LCS 460-20682/2-A ^25		460-23659	460-20682	10/26/2009 17:13	25	TAL EDI	JC
A:7199	LCS 460-20682/2-A ^25		460-23659	460-20682	10/29/2009 04:26	25	TAL EDI	LE

Preliminary Data

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Laboratory Chronicle

Lab ID: **LCS** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	LCS 460-20683/2-A ^25		460-23659	460-20683	10/26/2009 17:16	25	TAL EDI	JC
A:7199	LCS 460-20683/2-A ^25		460-23659	460-20683	10/29/2009 06:37	25	TAL EDI	LE
P:3060A	LCS 460-20683/2-A ^25		460-23881	460-20683	10/26/2009 17:16	25	TAL EDI	JC
A:7199	LCS 460-20683/2-A ^25		460-23881	460-20683	11/03/2009 01:46	25	TAL EDI	LE
P:3060A	LCS 460-20684/2-A ^25		460-23881	460-20684	10/26/2009 17:23	25	TAL EDI	JC
A:7199	LCS 460-20684/2-A ^25		460-23881	460-20684	11/03/2009 04:25	25	TAL EDI	LE

Lab ID: **DU** **Client ID:** **N/A**

Sample Date/Time: 08/18/2009 10:30 Received Date/Time: 10/15/2009 13:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	460-6852-B-1 DU		460-20072		10/19/2009 21:42	1	TAL EDI	CR
A:Moisture	460-6928-A-7 DU		460-20072		10/19/2009 21:42	1	TAL EDI	CR

Preliminary Data

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Laboratory Chronicle

Lab ID: **LCSI** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	LCSI 460-20674/3-A ^500		460-22883	460-20674	10/26/2009 16:38	500	TAL EDI	JC
A:7199	LCSI 460-20674/3-A ^500		460-22883	460-20674	10/27/2009 18:46	500	TAL EDI	LE
P:3060A	460-6741-A-1-D MSI ^500		460-22883	460-20674	10/26/2009 16:38	500	TAL EDI	JC
A:7199	460-6741-A-1-D MSI ^500		460-22883	460-20674	10/27/2009 20:00	500	TAL EDI	LE
P:3060A	LCSI 460-20676/3-A ^500		460-22883	460-20676	10/26/2009 16:51	500	TAL EDI	JC
A:7199	LCSI 460-20676/3-A ^500		460-22883	460-20676	10/27/2009 21:14	500	TAL EDI	LE
P:3060A	460-6741-A-2-D MSI ^500		460-22883	460-20676	10/26/2009 16:51	500	TAL EDI	JC
A:7199	460-6741-A-2-D MSI ^500		460-22883	460-20676	10/27/2009 22:05	500	TAL EDI	LE
P:3060A	LCSI 460-20678/3-A ^500		460-22883	460-20678	10/26/2009 16:56	500	TAL EDI	JC
A:7199	LCSI 460-20678/3-A ^500		460-22883	460-20678	10/28/2009 00:09	500	TAL EDI	LE
P:3060A	460-6741-A-5-D MSI ^500		460-22883	460-20678	10/26/2009 16:56	500	TAL EDI	JC
A:7199	460-6741-A-5-D MSI ^500		460-22883	460-20678	10/28/2009 01:08	500	TAL EDI	LE
P:3060A	LCSI 460-20679/3-A ^500		460-22883	460-20679	10/26/2009 17:00	500	TAL EDI	JC
A:7199	LCSI 460-20679/3-A ^500		460-22883	460-20679	10/28/2009 02:14	500	TAL EDI	LE
P:3060A	460-6741-A-6-D MSI ^500		460-22883	460-20679	10/26/2009 17:00	500	TAL EDI	JC
A:7199	460-6741-A-6-D MSI ^500		460-22883	460-20679	10/28/2009 03:27	500	TAL EDI	LE
P:3060A	LCSI 460-20680/3-A ^500		460-22883	460-20680	10/26/2009 17:04	500	TAL EDI	JC
A:7199	LCSI 460-20680/3-A ^500		460-22883	460-20680	10/28/2009 04:55	500	TAL EDI	LE
P:3060A	460-6741-A-8-D MSI ^500		460-22883	460-20680	10/26/2009 17:04	500	TAL EDI	JC
A:7199	460-6741-A-8-D MSI ^500		460-22883	460-20680	10/28/2009 06:16	500	TAL EDI	LE
P:3060A	LCSI 460-20681/3-A ^500		460-22883	460-20681	10/26/2009 17:08	500	TAL EDI	JC
A:7199	LCSI 460-20681/3-A ^500		460-22883	460-20681	10/28/2009 07:51	500	TAL EDI	LE
P:3060A	LCSI 460-20674/3-A ^500		460-23659	460-20674	10/26/2009 16:38	500	TAL EDI	JC
A:7199	LCSI 460-20674/3-A ^500		460-23659	460-20674	10/28/2009 12:08	500	TAL EDI	LE
P:3060A	460-6741-A-1-D MSI ^500		460-23659	460-20674	10/26/2009 16:38	500	TAL EDI	JC
A:7199	460-6741-A-1-D MSI ^500		460-23659	460-20674	10/28/2009 13:33	500	TAL EDI	LE

Preliminary Data

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Laboratory Chronicle

Lab ID: **LCSI** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	LCSI 460-20676/3-A ^500		460-23659	460-20676	10/26/2009 16:51	500	TAL EDI	JC
A:7199	LCSI 460-20676/3-A ^500		460-23659	460-20676	10/28/2009 14:39	500	TAL EDI	LE
P:3060A	460-6741-A-2-D MSI ^500		460-23659	460-20676	10/26/2009 16:51	500	TAL EDI	JC
A:7199	460-6741-A-2-D MSI ^500		460-23659	460-20676	10/28/2009 15:38	500	TAL EDI	LE
P:3060A	LCSI 460-20678/3-A ^500		460-23659	460-20678	10/26/2009 16:56	500	TAL EDI	JC
A:7199	LCSI 460-20678/3-A ^500		460-23659	460-20678	10/28/2009 17:55	500	TAL EDI	LE
P:3060A	460-6741-A-5-D MSI ^500		460-23659	460-20678	10/26/2009 16:56	500	TAL EDI	JC
A:7199	460-6741-A-5-D MSI ^500		460-23659	460-20678	10/28/2009 18:54	500	TAL EDI	LE
P:3060A	LCSI 460-20679/3-A ^500		460-23659	460-20679	10/26/2009 17:00	500	TAL EDI	JC
A:7199	LCSI 460-20679/3-A ^500		460-23659	460-20679	10/28/2009 20:00	500	TAL EDI	LE
P:3060A	460-6741-A-6-D MSI ^500		460-23659	460-20679	10/26/2009 17:00	500	TAL EDI	JC
A:7199	460-6741-A-6-D MSI ^500		460-23659	460-20679	10/28/2009 21:20	500	TAL EDI	LE
P:3060A	LCSI 460-20680/3-A ^500		460-23659	460-20680	10/26/2009 17:04	500	TAL EDI	JC
A:7199	LCSI 460-20680/3-A ^500		460-23659	460-20680	10/28/2009 22:48	500	TAL EDI	LE
P:3060A	460-6741-A-8-D MSI ^500		460-23659	460-20680	10/26/2009 17:04	500	TAL EDI	JC
A:7199	460-6741-A-8-D MSI ^500		460-23659	460-20680	10/29/2009 00:02	500	TAL EDI	LE
P:3060A	LCSI 460-20681/3-A ^500		460-23659	460-20681	10/26/2009 17:08	500	TAL EDI	JC
A:7199	LCSI 460-20681/3-A ^500		460-23659	460-20681	10/29/2009 01:37	500	TAL EDI	LE
P:3060A	460-6741-A-11-D MSI ^500		460-23659	460-20681	10/26/2009 17:08	500	TAL EDI	JC
A:7199	460-6741-A-11-D MSI ^500		460-23659	460-20681	10/29/2009 02:50	500	TAL EDI	LE
P:3060A	LCSI 460-20682/3-A ^500		460-23659	460-20682	10/26/2009 17:13	500	TAL EDI	JC
A:7199	LCSI 460-20682/3-A ^500		460-23659	460-20682	10/29/2009 04:33	500	TAL EDI	LE
P:3060A	460-6741-A-14-D MSI ^500		460-23659	460-20682	10/26/2009 17:13	500	TAL EDI	JC
A:7199	460-6741-A-14-D MSI ^500		460-23659	460-20682	10/29/2009 05:46	500	TAL EDI	LE
P:3060A	LCSI 460-20683/3-A ^500		460-23659	460-20683	10/26/2009 17:16	500	TAL EDI	JC
A:7199	LCSI 460-20683/3-A ^500		460-23659	460-20683	10/29/2009 07:07	500	TAL EDI	LE

Preliminary Data

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Laboratory Chronicle

Lab ID: **LCSI** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	LCSI 460-20683/3-A ^500		460-23881	460-20683	10/26/2009 17:16	500	TAL EDI	JC
A:7199	LCSI 460-20683/3-A ^500		460-23881	460-20683	11/03/2009 02:15	500	TAL EDI	LE
P:3060A	460-6741-A-15-D MSI ^500		460-23881	460-20683	10/26/2009 17:16	500	TAL EDI	JC
A:7199	460-6741-A-15-D MSI ^500		460-23881	460-20683	11/03/2009 03:13	500	TAL EDI	LE
P:3060A	LCSI 460-20684/3-A ^500		460-23881	460-20684	10/26/2009 17:23	500	TAL EDI	JC
A:7199	LCSI 460-20684/3-A ^500		460-23881	460-20684	11/03/2009 04:32	500	TAL EDI	LE
P:3060A	460-6741-A-17-D MSI ^500		460-23881	460-20684	10/26/2009 17:23	500	TAL EDI	JC
A:7199	460-6741-A-17-D MSI ^500		460-23881	460-20684	11/03/2009 05:53	500	TAL EDI	LE

Lab References:
TAL EDI = TestAmerica Edison

Preliminary Data

GENERAL CHEMISTRY

Preliminary Data

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-6741-1

SDG No.:

Project: Missouri DNR Hexavalent Chromium

Client Sample ID	Lab Sample ID
AB07939	460-6741-1
AB07940	460-6741-2
AB07941	460-6741-3
AB07942	460-6741-4
AB07943	460-6741-5
AB07944	460-6741-6
AB07945	460-6741-7
AB07946	460-6741-8
AB07947	460-6741-9
AB07948	460-6741-10
AB07949	460-6741-11
AB07950	460-6741-12
AB07951	460-6741-13
AB07952	460-6741-14
AB07953	460-6741-15
AB07954	460-6741-16
AB07955	460-6741-17

Preliminary Data

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: AB07939
Lab Sample ID: 460-6741-1
Lab Name: TestAmerica Edison
Job No.: 460-6741-1
SDG ID.:
Matrix: Solid
Date Sampled: 10/02/2009 10:53
Reporting Basis: DRY
Date Received: 10/14/2009 10:15
% Solids: 96.9

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	2.1	0.83	0.083	mg/Kg		B	2	7199
18540-29-9	Chromium (hexavalent)	2.1	2.1	0.21	mg/Kg			5	7199

Preliminary Data

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: AB07940
Lab Sample ID: 460-6741-2
Lab Name: TestAmerica Edison
Job No.: 460-6741-1
SDG ID.:
Matrix: Solid
Date Sampled: 10/02/2009 10:54
Reporting Basis: DRY
Date Received: 10/14/2009 10:15
% Solids: 95.3

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	2.2	0.84	0.084	mg/Kg		^ B	2	7199
18540-29-9	Chromium (hexavalent)	2.5	2.1	0.21	mg/Kg			5	7199

Preliminary Data

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: AB07941
Lab Sample ID: 460-6741-3
Lab Name: TestAmerica Edison
Job No.: 460-6741-1
SDG ID.:
Matrix: Solid
Date Sampled: 10/02/2009 10:54
Reporting Basis: DRY
Date Received: 10/14/2009 10:15
% Solids: 97.9

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	0.42	0.82	0.082	mg/Kg	J	^ B *	2	7199
18540-29-9	Chromium (hexavalent)	0.60	2.0	0.20	mg/Kg	J		5	7199

Preliminary Data

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: AB07942
Lab Sample ID: 460-6741-4
Lab Name: TestAmerica Edison
Job No.: 460-6741-1
SDG ID.:
Matrix: Solid
Date Sampled: 10/02/2009 10:56
Reporting Basis: DRY
Date Received: 10/14/2009 10:15
% Solids: 96.2

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	0.12	0.83	0.083	mg/Kg	J	^ B	2	7199
18540-29-9	Chromium (hexavalent)	0.30	2.1	0.21	mg/Kg	J		5	7199

Preliminary Data

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: AB07943
Lab Sample ID: 460-6741-5
Lab Name: TestAmerica Edison
Job No.: 460-6741-1
SDG ID.:
Matrix: Solid
Date Sampled: 10/02/2009 10:58
Reporting Basis: DRY
Date Received: 10/14/2009 10:15
% Solids: 96.1

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	0.43	0.83	0.083	mg/Kg	J	^ B *	2	7199
18540-29-9	Chromium (hexavalent)	0.30	2.1	0.21	mg/Kg	J	B ^	5	7199

Preliminary Data

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: AB07944
Lab Sample ID: 460-6741-6
Lab Name: TestAmerica Edison
Job No.: 460-6741-1
SDG ID.:
Matrix: Solid
Date Sampled: 10/02/2009 11:00
Reporting Basis: DRY
Date Received: 10/14/2009 10:15
% Solids: 95.8

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	1.1	0.84	0.084	mg/Kg		^ B *	2	7199
18540-29-9	Chromium (hexavalent)	0.69	2.1	0.21	mg/Kg	J	^	5	7199

Preliminary Data

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: AB07945
Lab Sample ID: 460-6741-7
Lab Name: TestAmerica Edison
Job No.: 460-6741-1
SDG ID.:
Matrix: Solid
Date Sampled: 10/02/2009 11:00
Reporting Basis: DRY
Date Received: 10/14/2009 10:15
% Solids: 96.1

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	0.83	0.83	0.083	mg/Kg	J	^ B *	2	7199
18540-29-9	Chromium (hexavalent)	0.31	2.1	0.21	mg/Kg	J		5	7199

Preliminary Data

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: AB07946
Lab Sample ID: 460-6741-8
Lab Name: TestAmerica Edison
Job No.: 460-6741-1
SDG ID.:
Matrix: Solid
Date Sampled: 10/02/2009 11:02
Reporting Basis: DRY
Date Received: 10/14/2009 10:15
% Solids: 97.3

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	0.90	0.82	0.082	mg/Kg		^ B *	2	7199
18540-29-9	Chromium (hexavalent)	0.35	2.1	0.21	mg/Kg	J		5	7199

Preliminary Data

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: AB07947
Lab Sample ID: 460-6741-9
Lab Name: TestAmerica Edison
Job No.: 460-6741-1
SDG ID.:
Matrix: Solid
Date Sampled: 10/02/2009 11:02
Reporting Basis: DRY
Date Received: 10/14/2009 10:15
% Solids: 97.3

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	0.20	0.82	0.082	mg/Kg	J	^ B *	2	7199
18540-29-9	Chromium (hexavalent)	0.36	2.1	0.21	mg/Kg	J		5	7199

Preliminary Data

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: AB07948
Lab Sample ID: 460-6741-10
Lab Name: TestAmerica Edison
Job No.: 460-6741-1
SDG ID.:
Matrix: Solid
Date Sampled: 10/02/2009 11:05
Reporting Basis: DRY
Date Received: 10/14/2009 10:15
% Solids: 96.6

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	0.20	0.83	0.083	mg/Kg	J	^ B *	2	7199
18540-29-9	Chromium (hexavalent)	0.30	2.1	0.21	mg/Kg	J		5	7199

Preliminary Data

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: AB07949
Lab Sample ID: 460-6741-11
Lab Name: TestAmerica Edison
Job No.: 460-6741-1
SDG ID.:
Matrix: Solid
Date Sampled: 10/02/2009 11:07
Reporting Basis: DRY
Date Received: 10/14/2009 10:15
% Solids: 63.0

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	0.42	1.3	0.13	mg/Kg	J	^ B *	2	7199
18540-29-9	Chromium (hexavalent)	1.5	3.2	0.32	mg/Kg	J	B ^	5	7199

Preliminary Data

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: AB07950
Lab Sample ID: 460-6741-12
Lab Name: TestAmerica Edison
Job No.: 460-6741-1
SDG ID.:
Matrix: Solid
Date Sampled: 10/02/2009 11:10
Reporting Basis: DRY
Date Received: 10/14/2009 10:15
% Solids: 96.9

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	0.29	2.1	0.21	mg/Kg	J	^ B	5	7199

Preliminary Data

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: AB07951
Lab Sample ID: 460-6741-13
Lab Name: TestAmerica Edison
Job No.: 460-6741-1
SDG ID.:
Matrix: Solid
Date Sampled: 10/02/2009 10:53
Reporting Basis: DRY
Date Received: 10/14/2009 10:15
% Solids: 96.8

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	0.31	2.1	0.21	mg/Kg	J	^ B	5	7199

Preliminary Data

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: AB07952
Lab Sample ID: 460-6741-14
Lab Name: TestAmerica Edison
Job No.: 460-6741-1
SDG ID.:
Matrix: Solid
Date Sampled: 10/02/2009 10:56
Reporting Basis: DRY
Date Received: 10/14/2009 10:15
% Solids: 96.3

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	0.63	2.1	0.21	mg/Kg	J	^ *	5	7199

Preliminary Data

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: AB07953
Lab Sample ID: 460-6741-15
Lab Name: TestAmerica Edison
Job No.: 460-6741-1
SDG ID.:
Matrix: Solid
Date Sampled: 10/02/2009 11:02
Reporting Basis: DRY
Date Received: 10/14/2009 10:15
% Solids: 96.9

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	3.9	2.1	0.21	mg/Kg		B ^ *	5	7199
18540-29-9	Chromium (hexavalent)	4.5	2.1	0.21	mg/Kg		H ^	5	7199

Preliminary Data

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: AB07954
Lab Sample ID: 460-6741-16
Lab Name: TestAmerica Edison
Job No.: 460-6741-1
SDG ID.:
Matrix: Solid
Date Sampled: 10/02/2009 11:07
Reporting Basis: DRY
Date Received: 10/14/2009 10:15
% Solids: 95.1

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	2.1	2.1	0.21	mg/Kg	U	H ^	5	7199

Preliminary Data

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: AB07955
Lab Sample ID: 460-6741-17
Lab Name: TestAmerica Edison
Job No.: 460-6741-1
SDG ID.:
Matrix: Solid
Date Sampled: 10/02/2009 11:10
Reporting Basis: DRY
Date Received: 10/14/2009 10:15
% Solids: 96.3

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	3.6	2.1	0.21	mg/Kg		H ^	5	7199

Preliminary Data

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Analyst: LE Batch Start Date: 10/27/2009

Reporting Units: ug/L Analytical Batch No.: 22883

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
6	ICV	17:36	Cr (VI)	24.6	25.0	98	90-110		WThcrIM6_00060
7	ICB	17:46	Cr (VI)	1.0				U	
18	CCV	19:23	Cr (VI)	23.2	25.0	93	90-110		WThcrIM6_00060
19	CCB	19:30	Cr (VI)	1.0				U	
30	CCV	20:52	Cr (VI)	18.6	25.0	74	90-110		WThcrIM6_00060
31	CCB	20:59	Cr (VI)	1.0				U	
42	CCV	22:19	Cr (VI)	13.7	25.0	55	90-110		WThcrIM6_00060
43	CCB	22:27	Cr (VI)	1.0				U	
54	CCV	23:47	Cr (VI)	13.1	25.0	52	90-110		WThcrIM6_00060
55	CCB	23:54	Cr (VI)	2.60					
66	CCV	01:15	Cr (VI)	5.16	25.0	21	90-110		WThcrIM6_00060
67	CCB	01:23	Cr (VI)	9.01					
78	CCV	02:43	Cr (VI)	7.91	25.0	32	90-110		WThcrIM6_00060
79	CCB	02:51	Cr (VI)	9.66					
90	CCV	04:10	Cr (VI)	16.2	25.0	65	90-110		WThcrIM6_00060
91	CCB	04:18	Cr (VI)	4.96					
102	CCV	05:39	Cr (VI)	2.36	25.0	9	90-110		WThcrIM6_00060
103	CCB	05:46	Cr (VI)	4.12					
114	CCV	07:07	Cr (VI)	17.4	25.0	69	90-110		WThcrIM6_00060
115	CCB	07:14	Cr (VI)	3.07					
126	CCV	08:40	Cr (VI)	9.26	25.0	37	90-110		WThcrIM6_00060

Preliminary Data

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Analyst: LE Batch Start Date: 10/28/2009

Reporting Units: ug/L Analytical Batch No.: 23659

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
6	ICV	11:17	Cr (VI)	25.4	25.0	102	90-110		WThcrIM6_00065
7	ICB	11:24	Cr (VI)	1.0				U	
18	CCV	12:53	Cr (VI)	25.4	25.0	102	90-110		WThcrIM6_00065
19	CCB	13:03	Cr (VI)	1.0				U	
30	CCV	14:25	Cr (VI)	25.1	25.0	101	90-110		WThcrIM6_00065
31	CCB	14:32	Cr (VI)	1.0				U	
42	CCV	15:54	Cr (VI)	25.3	25.0	101	90-110		WThcrIM6_00065
43	CCB	16:01	Cr (VI)	1.0				U	
54	CCV	17:33	Cr (VI)	25.8	25.0	103	90-110		WThcrIM6_00065
55	CCB	17:40	Cr (VI)	1.0				U	
66	CCV	19:01	Cr (VI)	30.0	25.0	120	90-110		WThcrIM6_00065
67	CCB	19:09	Cr (VI)	1.0				U	
78	CCV	20:29	Cr (VI)	24.1	25.0	97	90-110		WThcrIM6_00065
79	CCB	20:37	Cr (VI)	1.0				U	
90	CCV	21:57	Cr (VI)	25.7	25.0	103	90-110		WThcrIM6_00065
91	CCB	22:04	Cr (VI)	1.0				U	
102	CCV	23:25	Cr (VI)	25.9	25.0	104	90-110		WThcrIM6_00065
103	CCB	23:32	Cr (VI)	1.0				U	
114	CCV	00:53	Cr (VI)	24.9	25.0	100	90-110		WThcrIM6_00065
115	CCB	01:01	Cr (VI)	1.0				U	
126	CCV	02:21	Cr (VI)	15.8	25.0	63	90-110		WThcrIM6_00065
127	CCB	02:28	Cr (VI)	1.77					
138	CCV	03:49	Cr (VI)	11.3	25.0	45	90-110		WThcrIM6_00065
139	CCB	03:57	Cr (VI)	2.00					
150	CCV	05:17	Cr (VI)	16.9	25.0	68	90-110		WThcrIM6_00065
151	CCB	05:24	Cr (VI)	2.65					
162	CCV	06:45	Cr (VI)	11.6	25.0	46	90-110		WThcrIM6_00065
163	CCB	06:52	Cr (VI)	2.40					

Preliminary Data

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Analyst: LE Batch Start Date: 11/03/2009

Reporting Units: ug/L Analytical Batch No.: 23881

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
49	CCV	01:53	Cr (VI)	22.6	25.0	90	90-110		WThcrIM6_00057
50	CCB	02:01	Cr (VI)	0.974				J	
61	CCV	03:20	Cr (VI)	16.9	25.0	67	90-110		WThcrIM6_00057
62	CCB	03:27	Cr (VI)	0.930				J	
73	CCV	04:47	Cr (VI)	16.6	25.0	66	90-110		WThcrIM6_00057
74	CCB	04:55	Cr (VI)	0.999				J	
85	CCV	06:15	Cr (VI)	13.2	25.0	53	90-110		WThcrIM6_00057
86	CCB	06:22	Cr (VI)	1.29					

Preliminary Data

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 22883 Date: 10/27/2009 18:01 Prep Batch: 20674 Date: 10/26/2009 16:38							
7199	MB 460-20674/1-A ^2	Chromium (hexavalent)	0.108	J	mg/Kg	0.80	2
Batch ID: 22883 Date: 10/27/2009 20:30 Prep Batch: 20676 Date: 10/26/2009 16:51							
7199	MB 460-20676/1-A ^2	Chromium (hexavalent)	0.108	J ^	mg/Kg	0.80	2
Batch ID: 22883 Date: 10/27/2009 23:17 Prep Batch: 20678 Date: 10/26/2009 16:56							
7199	MB 460-20678/1-A ^2	Chromium (hexavalent)	0.111	J ^	mg/Kg	0.80	2
Batch ID: 22883 Date: 10/28/2009 01:45 Prep Batch: 20679 Date: 10/26/2009 17:00							
7199	MB 460-20679/1-A ^2	Chromium (hexavalent)	0.715	J ^	mg/Kg	0.80	2
Batch ID: 22883 Date: 10/28/2009 04:25 Prep Batch: 20680 Date: 10/26/2009 17:04							
7199	MB 460-20680/1-A ^2	Chromium (hexavalent)	0.122	J ^	mg/Kg	0.80	2
Batch ID: 22883 Date: 10/28/2009 07:29 Prep Batch: 20681 Date: 10/26/2009 17:08							
7199	MB 460-20681/1-A ^2	Chromium (hexavalent)	0.117	J ^	mg/Kg	0.80	2
Batch ID: 23659 Date: 10/28/2009 11:39 Prep Batch: 20674 Date: 10/26/2009 16:38							
7199	MB 460-20674/1-A ^2	Chromium (hexavalent)	0.80	U	mg/Kg	0.80	2
Batch ID: 23659 Date: 10/28/2009 14:03 Prep Batch: 20676 Date: 10/26/2009 16:51							
7199	MB 460-20676/1-A ^2	Chromium (hexavalent)	0.80	U	mg/Kg	0.80	2
Batch ID: 23659 Date: 10/28/2009 17:03 Prep Batch: 20678 Date: 10/26/2009 16:56							
7199	MB 460-20678/1-A ^2	Chromium (hexavalent)	0.163	J	mg/Kg	0.80	2
Batch ID: 23659 Date: 10/28/2009 17:11 Prep Batch: 20678 Date: 10/26/2009 16:56							
7199	MB 460-20678/1-A ^2	Chromium (hexavalent)	0.80	U	mg/Kg	0.80	2
Batch ID: 23659 Date: 10/28/2009 19:38 Prep Batch: 20679 Date: 10/26/2009 17:00							
7199	MB 460-20679/1-A ^2	Chromium (hexavalent)	0.80	U ^	mg/Kg	0.80	2
Batch ID: 23659 Date: 10/28/2009 22:19 Prep Batch: 20680 Date: 10/26/2009 17:04							
7199	MB 460-20680/1-A ^2	Chromium (hexavalent)	0.80	U	mg/Kg	0.80	2
Batch ID: 23659 Date: 10/29/2009 01:15 Prep Batch: 20681 Date: 10/26/2009 17:08							
7199	MB 460-20681/1-A ^2	Chromium (hexavalent)	0.0978	J ^	mg/Kg	0.80	2
Batch ID: 23659 Date: 10/29/2009 04:11 Prep Batch: 20682 Date: 10/26/2009 17:13							
7199	MB 460-20682/1-A ^2	Chromium (hexavalent)	0.80	U ^	mg/Kg	0.80	2
Batch ID: 23659 Date: 10/29/2009 06:15 Prep Batch: 20683 Date: 10/26/2009 17:16							
7199	MB 460-20683/1-A ^2	Chromium (hexavalent)	0.224	J ^	mg/Kg	0.80	2
Batch ID: 23881 Date: 11/03/2009 01:24 Prep Batch: 20683 Date: 10/26/2009 17:16							
7199	MB 460-20683/1-A ^2	Chromium (hexavalent)	0.80	U ^	mg/Kg	0.80	2
Batch ID: 23881 Date: 11/03/2009 04:03 Prep Batch: 20684 Date: 10/26/2009 17:23							
7199	MB 460-20684/1-A ^2	Chromium (hexavalent)	0.80	U ^	mg/Kg	0.80	2

Preliminary Data

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 22883	Date: 10/27/2009 19:45		Prep Batch: 20674			Date: 10/26/2009 16:38					
7199	460-6741-1	Chromium (hexavalent)	2.1		mg/Kg						B
7199	460-6741-1 MS	Chromium (hexavalent)	30.80		mg/Kg	41.3	70	75-125			^ F
Batch ID: 22883	Date: 10/27/2009 21:50		Prep Batch: 20676			Date: 10/26/2009 16:51					
7199	460-6741-2	Chromium (hexavalent)	2.2		mg/Kg						^ B
7199	460-6741-2 MS	Chromium (hexavalent)	29.09		mg/Kg	42.0	64	75-125			^ F
Batch ID: 22883	Date: 10/28/2009 00:53		Prep Batch: 20678			Date: 10/26/2009 16:56					
7199	460-6741-5	Chromium (hexavalent)	0.43	J	mg/Kg						^ B *
7199	460-6741-5 MS	Chromium (hexavalent)	4.03	J	mg/Kg	41.6	9	75-125			^ F
Batch ID: 22883	Date: 10/28/2009 03:20		Prep Batch: 20679			Date: 10/26/2009 17:00					
7199	460-6741-6	Chromium (hexavalent)	1.1		mg/Kg						^ B *
7199	460-6741-6 MS	Chromium (hexavalent)	15.32	J	mg/Kg	41.8	34	75-125			^ F
Batch ID: 22883	Date: 10/28/2009 06:01		Prep Batch: 20680			Date: 10/26/2009 17:04					
7199	460-6741-8	Chromium (hexavalent)	0.90		mg/Kg						^ B *
7199	460-6741-8 MS	Chromium (hexavalent)	2.39	J	mg/Kg	41.1	4	75-125			^ F
Batch ID: 23659	Date: 10/28/2009 13:11		Prep Batch: 20674			Date: 10/26/2009 16:38					
7199	460-6741-1	Chromium (hexavalent)	2.1		mg/Kg						
7199	460-6741-1 MS	Chromium (hexavalent)	31.16		mg/Kg	41.3	70	75-125			F
Batch ID: 23659	Date: 10/28/2009 15:23		Prep Batch: 20676			Date: 10/26/2009 16:51					
7199	460-6741-2	Chromium (hexavalent)	2.5		mg/Kg						
7199	460-6741-2 MS	Chromium (hexavalent)	29.07		mg/Kg	42.0	63	75-125			F
Batch ID: 23659	Date: 10/28/2009 18:32		Prep Batch: 20678			Date: 10/26/2009 16:56					
7199	460-6741-5	Chromium (hexavalent)	0.30	J	mg/Kg						B ^
7199	460-6741-5 MS	Chromium (hexavalent)	4.69	J	mg/Kg	41.6	11	75-125			^ F
Batch ID: 23659	Date: 10/28/2009 21:06		Prep Batch: 20679			Date: 10/26/2009 17:00					
7199	460-6741-6	Chromium (hexavalent)	0.69	J	mg/Kg						^
7199	460-6741-6 MS	Chromium (hexavalent)	23.60		mg/Kg	41.8	55	75-125			F
Batch ID: 23659	Date: 10/28/2009 23:40		Prep Batch: 20680			Date: 10/26/2009 17:04					
7199	460-6741-8	Chromium (hexavalent)	0.35	J	mg/Kg						
7199	460-6741-8 MS	Chromium (hexavalent)	2.85	J	mg/Kg	41.1	6	75-125			F
Batch ID: 23659	Date: 10/29/2009 02:43		Prep Batch: 20681			Date: 10/26/2009 17:08					
7199	460-6741-11	Chromium (hexavalent)	1.5	J	mg/Kg						B ^
7199	460-6741-11 MS	Chromium (hexavalent)	47.93		mg/Kg	63.5	73	75-125			^ F
Batch ID: 23659	Date: 10/29/2009 05:39		Prep Batch: 20682			Date: 10/26/2009 17:13					
7199	460-6741-14	Chromium (hexavalent)	0.63	J	mg/Kg						^ *
7199	460-6741-14 MS	Chromium (hexavalent)	3.84	J	mg/Kg	41.5	8	75-125			^ F
Batch ID: 23659	Date: 10/29/2009 07:44		Prep Batch: 20683			Date: 10/26/2009 17:16					
7199	460-6741-15	Chromium (hexavalent)	3.9		mg/Kg						B ^ *
7199	460-6741-15 MS	Chromium (hexavalent)	22.59		mg/Kg	41.3	45	75-125			^ F
Batch ID: 23881	Date: 11/03/2009 02:51		Prep Batch: 20683			Date: 10/26/2009 17:16					

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

Preliminary Data

FORM V-IN

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
7199	460-6741-15	Chromium (hexavalent)	4.5		mg/Kg						H ^
7199	460-6741-15 MS	Chromium (hexavalent)	34.00		mg/Kg	41.3	71	75-125			^ F
Batch ID: 23881	Date: 11/03/2009 05:39		Prep Batch: 20684			Date: 10/26/2009 17:23					
7199	460-6741-17	Chromium (hexavalent)	3.6		mg/Kg						H ^
7199	460-6741-17 MS	Chromium (hexavalent)	31.60		mg/Kg	41.6	67	75-125			^ F

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM V-IN

5-IN
MATRIX SPIKE INSOLUBLE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 22883		Date: 10/27/2009 20:00	Prep Batch: 20674			Date: 10/26/2009 16:38					
7199	460-6741-1	Chromium (hexavalent)	2.1		mg/Kg						B
7199	460-6741-1 MSI	Chromium (hexavalent)	494.8		mg/Kg	730	67	75-125			^ F
Batch ID: 22883		Date: 10/27/2009 20:15	Prep Batch: 20674			Date: 10/26/2009 16:38					
7199	460-6741-1	Chromium (hexavalent)	2.1		mg/Kg						B
7199	460-6741-1 PDS	Chromium (hexavalent)	42.45		mg/Kg	41.3	98	85-115			^
Batch ID: 22883		Date: 10/27/2009 22:05	Prep Batch: 20676			Date: 10/26/2009 16:51					
7199	460-6741-2	Chromium (hexavalent)	2.2		mg/Kg						^ B
7199	460-6741-2 MSI	Chromium (hexavalent)	418.6		mg/Kg	742	56	75-125			^ F
Batch ID: 22883		Date: 10/27/2009 23:03	Prep Batch: 20676			Date: 10/26/2009 16:51					
7199	460-6741-2	Chromium (hexavalent)	2.2		mg/Kg						^ B
7199	460-6741-2 PDS	Chromium (hexavalent)	41.61		mg/Kg	42.0	94	85-115			^
Batch ID: 22883		Date: 10/28/2009 01:08	Prep Batch: 20678			Date: 10/26/2009 16:56					
7199	460-6741-5	Chromium (hexavalent)	0.43	J	mg/Kg						^ B *
7199	460-6741-5 MSI	Chromium (hexavalent)	115.7	J	mg/Kg	737	16	75-125			^ F
Batch ID: 22883		Date: 10/28/2009 01:37	Prep Batch: 20678			Date: 10/26/2009 16:56					
7199	460-6741-5	Chromium (hexavalent)	0.43	J	mg/Kg						^ B *
7199	460-6741-5 PDS	Chromium (hexavalent)	29.76		mg/Kg	41.6	71	85-115			^ W
Batch ID: 22883		Date: 10/28/2009 03:27	Prep Batch: 20679			Date: 10/26/2009 17:00					
7199	460-6741-6	Chromium (hexavalent)	1.1		mg/Kg						^ B *
7199	460-6741-6 MSI	Chromium (hexavalent)	192.6	J	mg/Kg	739	26	75-125			^ F
Batch ID: 22883		Date: 10/28/2009 04:03	Prep Batch: 20679			Date: 10/26/2009 17:00					
7199	460-6741-6	Chromium (hexavalent)	1.1		mg/Kg						^ B *
7199	460-6741-6 PDS	Chromium (hexavalent)	28.86		mg/Kg	41.8	69	85-115			^ W
Batch ID: 22883		Date: 10/28/2009 06:16	Prep Batch: 20680			Date: 10/26/2009 17:04					
7199	460-6741-8	Chromium (hexavalent)	0.90		mg/Kg						^ B *
7199	460-6741-8 MSI	Chromium (hexavalent)	35.68	J	mg/Kg	728	5	75-125			^ F
Batch ID: 22883		Date: 10/28/2009 07:00	Prep Batch: 20680			Date: 10/26/2009 17:04					
7199	460-6741-8	Chromium (hexavalent)	0.90		mg/Kg						^ B *
7199	460-6741-8 PDS	Chromium (hexavalent)	32.27		mg/Kg	41.1	78	85-115			^ W
Batch ID: 23659		Date: 10/28/2009 13:33	Prep Batch: 20674			Date: 10/26/2009 16:38					
7199	460-6741-1	Chromium (hexavalent)	2.1		mg/Kg						
7199	460-6741-1 MSI	Chromium (hexavalent)	523.2		mg/Kg	730	71	75-125			F
Batch ID: 23659		Date: 10/28/2009 13:40	Prep Batch: 20674			Date: 10/26/2009 16:38					
7199	460-6741-1	Chromium (hexavalent)	2.1		mg/Kg						
7199	460-6741-1 PDS	Chromium (hexavalent)	43.09		mg/Kg	41.3	99	85-115			

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM V-IN

Preliminary Data

5-IN
MATRIX SPIKE INSOLUBLE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 23659	Date: 10/28/2009 15:38		Prep Batch: 20676			Date: 10/26/2009 16:51					
7199	460-6741-2	Chromium (hexavalent)	2.5		mg/Kg						
7199	460-6741-2 MSI	Chromium (hexavalent)	525.1		mg/Kg	742	70	75-125			F
Batch ID: 23659	Date: 10/28/2009 16:49		Prep Batch: 20676			Date: 10/26/2009 16:51					
7199	460-6741-2	Chromium (hexavalent)	2.5		mg/Kg						
7199	460-6741-2 PDS	Chromium (hexavalent)	43.54		mg/Kg	42.0	98	85-115			
Batch ID: 23659	Date: 10/28/2009 18:54		Prep Batch: 20678			Date: 10/26/2009 16:56					
7199	460-6741-5	Chromium (hexavalent)	0.30	J	mg/Kg						B ^
7199	460-6741-5 MSI	Chromium (hexavalent)	213.9		mg/Kg	737	29	75-125			^ F
Batch ID: 23659	Date: 10/28/2009 19:16		Prep Batch: 20678			Date: 10/26/2009 16:56					
7199	460-6741-5	Chromium (hexavalent)	0.30	J	mg/Kg						B ^
7199	460-6741-5 PDS	Chromium (hexavalent)	58.32		mg/Kg	41.6	140	85-115			^ W
Batch ID: 23659	Date: 10/28/2009 21:20		Prep Batch: 20679			Date: 10/26/2009 17:00					
7199	460-6741-6	Chromium (hexavalent)	0.69	J	mg/Kg						^
7199	460-6741-6 MSI	Chromium (hexavalent)	497.4		mg/Kg	739	67	75-125			F
Batch ID: 23659	Date: 10/28/2009 21:42		Prep Batch: 20679			Date: 10/26/2009 17:00					
7199	460-6741-6	Chromium (hexavalent)	0.69	J	mg/Kg						^
7199	460-6741-6 PDS	Chromium (hexavalent)	42.80		mg/Kg	41.8	102	85-115			
Batch ID: 23659	Date: 10/29/2009 00:02		Prep Batch: 20680			Date: 10/26/2009 17:04					
7199	460-6741-8	Chromium (hexavalent)	0.35	J	mg/Kg						
7199	460-6741-8 MSI	Chromium (hexavalent)	101.3	J	mg/Kg	728	14	75-125			F
Batch ID: 23659	Date: 10/29/2009 00:46		Prep Batch: 20680			Date: 10/26/2009 17:04					
7199	460-6741-8	Chromium (hexavalent)	0.35	J	mg/Kg						
7199	460-6741-8 PDS	Chromium (hexavalent)	41.79		mg/Kg	41.1	102	85-115			
Batch ID: 23659	Date: 10/29/2009 02:50		Prep Batch: 20681			Date: 10/26/2009 17:08					
7199	460-6741-11	Chromium (hexavalent)	1.5	J	mg/Kg						B ^
7199	460-6741-11 MSI	Chromium (hexavalent)	527.0		mg/Kg	1120	47	75-125			^ F
Batch ID: 23659	Date: 10/29/2009 03:42		Prep Batch: 20681			Date: 10/26/2009 17:08					
7199	460-6741-11	Chromium (hexavalent)	1.5	J	mg/Kg						B ^
7199	460-6741-11 PDS	Chromium (hexavalent)	61.08		mg/Kg	63.5	96	85-115			^
Batch ID: 23659	Date: 10/29/2009 05:46		Prep Batch: 20682			Date: 10/26/2009 17:13					
7199	460-6741-14	Chromium (hexavalent)	0.63	J	mg/Kg						^ *
7199	460-6741-14 MSI	Chromium (hexavalent)	70.30	J	mg/Kg	735	9	75-125			^ F
Batch ID: 23659	Date: 10/29/2009 06:08		Prep Batch: 20682			Date: 10/26/2009 17:13					
7199	460-6741-14	Chromium (hexavalent)	0.63	J	mg/Kg						^ *
7199	460-6741-14 PDS	Chromium (hexavalent)	37.83		mg/Kg	41.5	91	85-115			^

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM V-IN

Preliminary Data

5-IN
MATRIX SPIKE INSOLUBLE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 23881		Date: 11/03/2009 03:13	Prep Batch: 20683			Date: 10/26/2009 17:16					
7199	460-6741-15	Chromium (hexavalent)	4.5		mg/Kg						H ^
7199	460-6741-15 MSI	Chromium (hexavalent)	455.8		mg/Kg	731	62	75-125			^ F
Batch ID: 23881		Date: 11/03/2009 03:49	Prep Batch: 20683			Date: 10/26/2009 17:16					
7199	460-6741-15	Chromium (hexavalent)	4.5		mg/Kg						H ^
7199	460-6741-15 PDS	Chromium (hexavalent)	45.60		mg/Kg	41.3	99	85-115			^
Batch ID: 23881		Date: 11/03/2009 05:53	Prep Batch: 20684			Date: 10/26/2009 17:23					
7199	460-6741-17	Chromium (hexavalent)	3.6		mg/Kg						H ^
7199	460-6741-17 MSI	Chromium (hexavalent)	364.1		mg/Kg	735	49	75-125			^ F
Batch ID: 23881		Date: 11/03/2009 06:08	Prep Batch: 20684			Date: 10/26/2009 17:23					
7199	460-6741-17	Chromium (hexavalent)	3.6		mg/Kg						H ^
7199	460-6741-17 PDS	Chromium (hexavalent)	44.07		mg/Kg	41.6	97	85-115			^

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM V-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Matrix: Solid

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 22883	Date: 10/27/2009 19:16		Prep Batch: 20674	Date: 10/26/2009 16:38				
7199	AB07939	460-6741-1	Chromium (hexavalent)	2.1	mg/Kg			
7199	AB07939	460-6741-1 DU	Chromium (hexavalent)	2.28	mg/Kg	10	20	
Batch ID: 22883	Date: 10/27/2009 21:43		Prep Batch: 20676	Date: 10/26/2009 16:51				
7199	AB07940	460-6741-2	Chromium (hexavalent)	2.2	mg/Kg			
7199	AB07940	460-6741-2 DU	Chromium (hexavalent)	2.71	mg/Kg	19	20	^
Batch ID: 22883	Date: 10/28/2009 00:31		Prep Batch: 20678	Date: 10/26/2009 16:56				
7199	AB07943	460-6741-5	Chromium (hexavalent)	0.43	mg/Kg			J
7199	AB07943	460-6741-5 DU	Chromium (hexavalent)	0.137	mg/Kg	103	20	J ^
Batch ID: 22883	Date: 10/28/2009 03:05		Prep Batch: 20679	Date: 10/26/2009 17:00				
7199	AB07944	460-6741-6	Chromium (hexavalent)	1.1	mg/Kg			
7199	AB07944	460-6741-6 DU	Chromium (hexavalent)	0.331	mg/Kg	110	20	J ^
Batch ID: 22883	Date: 10/28/2009 05:32		Prep Batch: 20680	Date: 10/26/2009 17:04				
7199	AB07946	460-6741-8	Chromium (hexavalent)	0.90	mg/Kg			
7199	AB07946	460-6741-8 DU	Chromium (hexavalent)	0.200	mg/Kg	127	20	J ^ *
Batch ID: 22883	Date: 10/28/2009 08:26		Prep Batch: 20681	Date: 10/26/2009 17:08				
7199	AB07949	460-6741-11	Chromium (hexavalent)	0.42	mg/Kg			J
7199	AB07949	460-6741-11 DU	Chromium (hexavalent)	0.639	mg/Kg	42	20	^
Batch ID: 23659	Date: 10/28/2009 12:43		Prep Batch: 20674	Date: 10/26/2009 16:38				
7199	AB07939	460-6741-1	Chromium (hexavalent)	2.1	mg/Kg			
7199	AB07939	460-6741-1 DU	Chromium (hexavalent)	2.34	mg/Kg	11	20	
Batch ID: 23659	Date: 10/28/2009 15:09		Prep Batch: 20676	Date: 10/26/2009 16:51				
7199	AB07940	460-6741-2	Chromium (hexavalent)	2.5	mg/Kg			
7199	AB07940	460-6741-2 DU	Chromium (hexavalent)	2.83	mg/Kg	14	20	
Batch ID: 23659	Date: 10/28/2009 18:24		Prep Batch: 20678	Date: 10/26/2009 16:56				
7199	AB07943	460-6741-5	Chromium (hexavalent)	0.30	mg/Kg			J
7199	AB07943	460-6741-5 DU	Chromium (hexavalent)	0.282	mg/Kg	6	20	J ^
Batch ID: 23659	Date: 10/28/2009 20:44		Prep Batch: 20679	Date: 10/26/2009 17:00				
7199	AB07944	460-6741-6	Chromium (hexavalent)	0.69	mg/Kg			J
7199	AB07944	460-6741-6 DU	Chromium (hexavalent)	1.0	mg/Kg	NC	20	U
Batch ID: 23659	Date: 10/28/2009 23:10		Prep Batch: 20680	Date: 10/26/2009 17:04				
7199	AB07946	460-6741-8	Chromium (hexavalent)	0.35	mg/Kg			J
7199	AB07946	460-6741-8 DU	Chromium (hexavalent)	0.356	mg/Kg	3	20	J
Batch ID: 23659	Date: 10/29/2009 02:06		Prep Batch: 20681	Date: 10/26/2009 17:08				
7199	AB07949	460-6741-11	Chromium (hexavalent)	1.5	mg/Kg			J
7199	AB07949	460-6741-11 DU	Chromium (hexavalent)	1.27	mg/Kg	17	20	J ^
Batch ID: 23659	Date: 10/29/2009 05:02		Prep Batch: 20682	Date: 10/26/2009 17:13				
7199	AB07952	460-6741-14	Chromium (hexavalent)	0.63	mg/Kg			J
7199	AB07952	460-6741-14 DU	Chromium (hexavalent)	0.301	mg/Kg	71	20	J ^
Batch ID: 23659	Date: 10/29/2009 07:36		Prep Batch: 20683	Date: 10/26/2009 17:16				
7199	AB07953	460-6741-15	Chromium (hexavalent)	3.9	mg/Kg			
7199	AB07953	460-6741-15 DU	Chromium (hexavalent)	7.86	mg/Kg	67	20	^ F
Batch ID: 23881	Date: 11/03/2009 02:37		Prep Batch: 20683	Date: 10/26/2009 17:16				

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Matrix: Solid

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
7199	AB07953	460-6741-15	Chromium (hexavalent)	4.5	mg/Kg			
7199	AB07953	460-6741-15 DU	Chromium (hexavalent)	2.72	mg/Kg	50	20	H ^
Batch ID: 23881	Date: 11/03/2009 05:17		Prep Batch: 20684	Date: 10/26/2009 17:23				
7199	AB07955	460-6741-17	Chromium (hexavalent)	3.6	mg/Kg			
7199	AB07955	460-6741-17 DU	Chromium (hexavalent)	0.811	mg/Kg	127	20	J H ^

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 22883	Date: 10/27/2009 18:31		Prep Batch: 20674			Date: 10/26/2009 16:38					
						LCS Source: WThcrsLCS_00008					
7199	LCS 460-20674/2-A ^25	Chromium (hexavalent)	21.07		mg/Kg	21.2	99	85-115			
Batch ID: 22883	Date: 10/27/2009 20:37		Prep Batch: 20676			Date: 10/26/2009 16:51					
						LCS Source: WThcrsLCS_00008					
7199	LCS 460-20676/2-A ^25	Chromium (hexavalent)	21.01		mg/Kg	21.2	99	85-115			^
Batch ID: 22883	Date: 10/27/2009 23:39		Prep Batch: 20678			Date: 10/26/2009 16:56					
						LCS Source: WThcrsLCS_00008					
7199	LCS 460-20678/2-A ^25	Chromium (hexavalent)	20.16		mg/Kg	21.2	95	85-115			^
Batch ID: 22883	Date: 10/28/2009 02:07		Prep Batch: 20679			Date: 10/26/2009 17:00					
						LCS Source: WThcrsLCS_00008					
7199	LCS 460-20679/2-A ^25	Chromium (hexavalent)	18.83		mg/Kg	21.2	89	85-115			^
Batch ID: 22883	Date: 10/28/2009 04:47		Prep Batch: 20680			Date: 10/26/2009 17:04					
						LCS Source: WThcrsLCS_00008					
7199	LCS 460-20680/2-A ^25	Chromium (hexavalent)	14.82		mg/Kg	21.2	70	85-115			^ *
Batch ID: 22883	Date: 10/28/2009 07:44		Prep Batch: 20681			Date: 10/26/2009 17:08					
						LCS Source: WThcrsLCS_00008					
7199	LCS 460-20681/2-A ^25	Chromium (hexavalent)	18.19		mg/Kg	21.2	86	85-115			^
Batch ID: 23659	Date: 10/28/2009 11:53		Prep Batch: 20674			Date: 10/26/2009 16:38					
						LCS Source: WThcrsLCS_00008					
7199	LCS 460-20674/2-A ^25	Chromium (hexavalent)	21.56		mg/Kg	21.2	102	85-115			
Batch ID: 23659	Date: 10/28/2009 14:10		Prep Batch: 20676			Date: 10/26/2009 16:51					
						LCS Source: WThcrsLCS_00008					
7199	LCS 460-20676/2-A ^25	Chromium (hexavalent)	21.50		mg/Kg	21.2	101	85-115			
Batch ID: 23659	Date: 10/28/2009 17:25		Prep Batch: 20678			Date: 10/26/2009 16:56					
						LCS Source: WThcrsLCS_00008					
7199	LCS 460-20678/2-A ^25	Chromium (hexavalent)	22.11		mg/Kg	21.2	104	85-115			
Batch ID: 23659	Date: 10/28/2009 19:53		Prep Batch: 20679			Date: 10/26/2009 17:00					
						LCS Source: WThcrsLCS_00008					
7199	LCS 460-20679/2-A ^25	Chromium (hexavalent)	21.89		mg/Kg	21.2	103	85-115			^

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 23659	Date: 10/28/2009 22:33	Prep Batch: 20680	Date: 10/26/2009 17:04								
					LCS Source: WThcrsLCS_00008						
7199	LCS 460-20680/2-A ^25	Chromium (hexavalent)	22.69		mg/Kg	21.2	107	85-115			
Batch ID: 23659	Date: 10/29/2009 01:30	Prep Batch: 20681	Date: 10/26/2009 17:08								
					LCS Source: WThcrsLCS_00008						
7199	LCS 460-20681/2-A ^25	Chromium (hexavalent)	22.08		mg/Kg	21.2	104	85-115			^
Batch ID: 23659	Date: 10/29/2009 04:26	Prep Batch: 20682	Date: 10/26/2009 17:13								
					LCS Source: WThcrsLCS_00008						
7199	LCS 460-20682/2-A ^25	Chromium (hexavalent)	21.02		mg/Kg	21.2	99	85-115			^
Batch ID: 23659	Date: 10/29/2009 06:37	Prep Batch: 20683	Date: 10/26/2009 17:16								
					LCS Source: WThcrsLCS_00008						
7199	LCS 460-20683/2-A ^25	Chromium (hexavalent)	20.70		mg/Kg	21.2	97	85-115			^
Batch ID: 23881	Date: 11/03/2009 01:46	Prep Batch: 20683	Date: 10/26/2009 17:16								
					LCS Source: WThcrsLCS_00008						
7199	LCS 460-20683/2-A ^25	Chromium (hexavalent)	22.16		mg/Kg	21.2	104	85-115			^
Batch ID: 23881	Date: 11/03/2009 04:25	Prep Batch: 20684	Date: 10/26/2009 17:23								
					LCS Source: WThcrsLCS_00008						
7199	LCS 460-20684/2-A ^25	Chromium (hexavalent)	22.37		mg/Kg	21.2	105	85-115			^

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE INSOLUBLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 22883	Date: 10/27/2009 18:46	Prep Batch: 20674	Date: 10/26/2009 16:38								
			LCS Source: WThcrPbCr_00002								
7199	LCSI 460-20674/3-A ^500	Chromium (hexavalent)	653.1		mg/Kg	708	92	80-120			
Batch ID: 22883	Date: 10/27/2009 21:14	Prep Batch: 20676	Date: 10/26/2009 16:51								
			LCS Source: WThcrPbCr_00002								
7199	LCSI 460-20676/3-A ^500	Chromium (hexavalent)	577.6		mg/Kg	708	82	80-120			^
Batch ID: 22883	Date: 10/28/2009 00:09	Prep Batch: 20678	Date: 10/26/2009 16:56								
			LCS Source: WThcrPbCr_00002								
7199	LCSI 460-20678/3-A ^500	Chromium (hexavalent)	291.2		mg/Kg	708	41	80-120			^ *
Batch ID: 22883	Date: 10/28/2009 02:14	Prep Batch: 20679	Date: 10/26/2009 17:00								
			LCS Source: WThcrPbCr_00002								
7199	LCSI 460-20679/3-A ^500	Chromium (hexavalent)	352.5		mg/Kg	708	50	80-120			^ *
Batch ID: 22883	Date: 10/28/2009 04:55	Prep Batch: 20680	Date: 10/26/2009 17:04								
			LCS Source: WThcrPbCr_00002								
7199	LCSI 460-20680/3-A ^500	Chromium (hexavalent)	293.4		mg/Kg	708	41	80-120			^ *
Batch ID: 22883	Date: 10/28/2009 07:51	Prep Batch: 20681	Date: 10/26/2009 17:08								
			LCS Source: WThcrPbCr_00002								
7199	LCSI 460-20681/3-A ^500	Chromium (hexavalent)	355.0		mg/Kg	708	50	80-120			^ *
Batch ID: 23659	Date: 10/28/2009 12:08	Prep Batch: 20674	Date: 10/26/2009 16:38								
			LCS Source: WThcrPbCr_00002								
7199	LCSI 460-20674/3-A ^500	Chromium (hexavalent)	710.7		mg/Kg	708	100	80-120			
Batch ID: 23659	Date: 10/28/2009 14:39	Prep Batch: 20676	Date: 10/26/2009 16:51								
			LCS Source: WThcrPbCr_00002								
7199	LCSI 460-20676/3-A ^500	Chromium (hexavalent)	714.6		mg/Kg	708	101	80-120			
Batch ID: 23659	Date: 10/28/2009 17:55	Prep Batch: 20678	Date: 10/26/2009 16:56								
			LCS Source: WThcrPbCr_00002								
7199	LCSI 460-20678/3-A ^500	Chromium (hexavalent)	725.1		mg/Kg	708	102	80-120			^
Batch ID: 23659	Date: 10/28/2009 20:00	Prep Batch: 20679	Date: 10/26/2009 17:00								
			LCS Source: WThcrPbCr_00002								
7199	LCSI 460-20679/3-A ^500	Chromium (hexavalent)	733.5		mg/Kg	708	104	80-120			^

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE INSOLUBLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 23659	Date: 10/28/2009 22:48	Prep Batch: 20680	Date: 10/26/2009 17:04								
					LCS Source: WThcrPbCr_00002						
7199	LCSI 460-20680/3-A ^500	Chromium (hexavalent)	737.3		mg/Kg	708	104	80-120			
Batch ID: 23659	Date: 10/29/2009 01:37	Prep Batch: 20681	Date: 10/26/2009 17:08								
					LCS Source: WThcrPbCr_00002						
7199	LCSI 460-20681/3-A ^500	Chromium (hexavalent)	629.0		mg/Kg	708	89	80-120			^
Batch ID: 23659	Date: 10/29/2009 04:33	Prep Batch: 20682	Date: 10/26/2009 17:13								
					LCS Source: WThcrPbCr_00002						
7199	LCSI 460-20682/3-A ^500	Chromium (hexavalent)	434.9		mg/Kg	708	61	80-120			^ *
Batch ID: 23659	Date: 10/29/2009 07:07	Prep Batch: 20683	Date: 10/26/2009 17:16								
					LCS Source: WThcrPbCr_00002						
7199	LCSI 460-20683/3-A ^500	Chromium (hexavalent)	288.6		mg/Kg	708	41	80-120			^ *
Batch ID: 23881	Date: 11/03/2009 02:15	Prep Batch: 20683	Date: 10/26/2009 17:16								
					LCS Source: WThcrPbCr_00002						
7199	LCSI 460-20683/3-A ^500	Chromium (hexavalent)	702.3		mg/Kg	708	99	80-120			^
Batch ID: 23881	Date: 11/03/2009 04:32	Prep Batch: 20684	Date: 10/26/2009 17:23								
					LCS Source: WThcrPbCr_00002						
7199	LCSI 460-20684/3-A ^500	Chromium (hexavalent)	621.9		mg/Kg	708	88	80-120			^

Preliminary Data

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-6741-1

SDG Number:

Matrix: Solid Instrument ID: IC

Analysis Method: 7199 MDL Date: 12/22/2008 11:16

Prep Method: 3060A

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Chromium (hexavalent)		0.4	0.04

Preliminary Data

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-6741-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Analysis Method: Moisture RL Date: 02/15/2007 17:07

Prep Method:

Leach Method:

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		1	
Percent Solids		1	

Preliminary Data

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Preparation Method: 3060A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-20674/1-A ^2	10/26/2009 16:38	20674	2.50		100
LCS 460-20674/2-A ^25	10/26/2009 16:38	20674	2.50		100
LCSI 460-20674/3-A ^500	10/26/2009 16:38	20674	2.50		100
460-6741-1	10/26/2009 16:38	20674	2.50		100
460-6741-1 DU	10/26/2009 16:38	20674	2.50		100
460-6741-1 MS	10/26/2009 16:38	20674	2.50		100
460-6741-1 MSI	10/26/2009 16:38	20674	2.50		100

Preliminary Data

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Preparation Method: 3060A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-20676/1-A ^2	10/26/2009 16:51	20676	2.50		100
LCS 460-20676/2-A ^25	10/26/2009 16:51	20676	2.50		100
LCSI 460-20676/3-A ^500	10/26/2009 16:51	20676	2.50		100
460-6741-2	10/26/2009 16:51	20676	2.50		100
460-6741-2 DU	10/26/2009 16:51	20676	2.50		100
460-6741-2 MS	10/26/2009 16:51	20676	2.50		100
460-6741-2 MSI	10/26/2009 16:51	20676	2.50		100
460-6741-3	10/26/2009 16:51	20676	2.50		100
460-6741-4	10/26/2009 16:51	20676	2.50		100

Preliminary Data

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Preparation Method: 3060A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-20678/1-A ^2	10/26/2009 16:56	20678	2.50		100
LCS 460-20678/2-A ^25	10/26/2009 16:56	20678	2.50		100
LCSI 460-20678/3-A ^500	10/26/2009 16:56	20678	2.50		100
460-6741-5	10/26/2009 16:56	20678	2.50		100
460-6741-5 DU	10/26/2009 16:56	20678	2.50		100
460-6741-5 MS	10/26/2009 16:56	20678	2.50		100
460-6741-5 MSI	10/26/2009 16:56	20678	2.50		100

Preliminary Data

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Preparation Method: 3060A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-20679/1-A ^2	10/26/2009 17:00	20679	2.50		100
LCS 460-20679/2-A ^25	10/26/2009 17:00	20679	2.50		100
LCSI 460-20679/3-A ^500	10/26/2009 17:00	20679	2.50		100
460-6741-6	10/26/2009 17:00	20679	2.50		100
460-6741-6 DU	10/26/2009 17:00	20679	2.50		100
460-6741-6 MS	10/26/2009 17:00	20679	2.50		100
460-6741-6 MSI	10/26/2009 17:00	20679	2.50		100
460-6741-7	10/26/2009 17:00	20679	2.50		100

Preliminary Data

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Preparation Method: 3060A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-20680/1-A ^2	10/26/2009 17:04	20680	2.50		100
LCS 460-20680/2-A ^25	10/26/2009 17:04	20680	2.50		100
LCSI 460-20680/3-A ^500	10/26/2009 17:04	20680	2.50		100
460-6741-8	10/26/2009 17:04	20680	2.50		100
460-6741-8 DU	10/26/2009 17:04	20680	2.50		100
460-6741-8 MS	10/26/2009 17:04	20680	2.50		100
460-6741-8 MSI	10/26/2009 17:04	20680	2.50		100
460-6741-9	10/26/2009 17:04	20680	2.50		100
460-6741-10	10/26/2009 17:04	20680	2.50		100

Preliminary Data

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Preparation Method: 3060A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-20681/1-A ^2	10/26/2009 17:08	20681	2.50		100
LCS 460-20681/2-A ^25	10/26/2009 17:08	20681	2.50		100
LCSI 460-20681/3-A ^500	10/26/2009 17:08	20681	2.50		100
460-6741-11	10/26/2009 17:08	20681	2.50		100
460-6741-11 DU	10/26/2009 17:08	20681	2.50		100
460-6741-11 MS	10/26/2009 17:08	20681	2.50		100
460-6741-11 MSI	10/26/2009 17:08	20681	2.50		100
460-6741-12	10/26/2009 17:08	20681	2.50		100
460-6741-13	10/26/2009 17:08	20681	2.50		100

Preliminary Data

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Preparation Method: 3060A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-20682/1-A ^2	10/26/2009 17:13	20682	2.50		100
LCS 460-20682/2-A ^25	10/26/2009 17:13	20682	2.50		100
LCSI 460-20682/3-A ^500	10/26/2009 17:13	20682	2.50		100
460-6741-14	10/26/2009 17:13	20682	2.50		100
460-6741-14 DU	10/26/2009 17:13	20682	2.50		100
460-6741-14 MS	10/26/2009 17:13	20682	2.50		100
460-6741-14 MSI	10/26/2009 17:13	20682	2.50		100

Preliminary Data

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Preparation Method: 3060A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-20683/1-A ^2	10/26/2009 17:16	20683	2.50		100
LCS 460-20683/2-A ^25	10/26/2009 17:16	20683	2.50		100
LCSI 460-20683/3-A ^500	10/26/2009 17:16	20683	2.50		100
460-6741-15	10/26/2009 17:16	20683	2.50		100
460-6741-15 DU	10/26/2009 17:16	20683	2.50		100
460-6741-15 MS	10/26/2009 17:16	20683	2.50		100
460-6741-15 MSI	10/26/2009 17:16	20683	2.50		100
460-6741-16	10/26/2009 17:16	20683	2.50		100

Preliminary Data

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Preparation Method: 3060A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-20684/1-A ^2	10/26/2009 17:23	20684	2.50		100
LCS 460-20684/2-A ^25	10/26/2009 17:23	20684	2.50		100
LCSI 460-20684/3-A ^500	10/26/2009 17:23	20684	2.50		100
460-6741-17	10/26/2009 17:23	20684	2.50		100
460-6741-17 DU	10/26/2009 17:23	20684	2.50		100
460-6741-17 MS	10/26/2009 17:23	20684	2.50		100
460-6741-17 MSI	10/26/2009 17:23	20684	2.50		100

Preliminary Data

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Instrument ID: IC Method: 7199

Start Date: 10/27/2009 16:53 End Date: 10/28/2009 08:40

Lab Sample ID	D/F	Type	Time	Analytes																			
				Cr6																			
ZZZZZZ			16:53																				
ZZZZZZ			17:01																				
ZZZZZZ			17:08																				
ZZZZZZ			17:17																				
ZZZZZZ			17:24																				
ICV 460-22883/6	1		17:36	X																			
ICB 460-22883/7	1		17:46	X																			
MB 460-20674/1-A ^2	2	T	18:01	X																			
ZZZZZZ			18:11																				
ZZZZZZ			18:22																				
LCS 460-20674/2-A ^25	25	T	18:31	X																			
ZZZZZZ			18:39																				
LCSI 460-20674/3-A ^500	500	T	18:46	X																			
460-6741-1	2	T	18:53	X																			
ZZZZZZ			19:01																				
ZZZZZZ			19:08																				
460-6741-1 DU	2	T	19:16	X																			
CCV 460-22883/18	1		19:23	X																			
CCB 460-22883/19	1		19:30	X																			
ZZZZZZ			19:38																				
460-6741-1 MS	40	T	19:45	X																			
ZZZZZZ			19:53																				
460-6741-1 MSI	500	T	20:00	X																			
ZZZZZZ			20:07																				
460-6741-1 PDS	40	T	20:15	X																			
ZZZZZZ			20:22																				
MB 460-20676/1-A ^2	2	T	20:30	X																			
LCS 460-20676/2-A ^25	25	T	20:37	X																			
ZZZZZZ			20:44																				
CCV 460-22883/30	1		20:52	X																			
CCB 460-22883/31	1		20:59	X																			
ZZZZZZ			21:06																				
LCSI 460-20676/3-A ^500	500	T	21:14	X																			
460-6741-2	2	T	21:21	X																			
ZZZZZZ			21:28																				
ZZZZZZ			21:36																				
460-6741-2 DU	2	T	21:43	X																			
460-6741-2 MS	40	T	21:50	X																			
ZZZZZZ			21:58																				
460-6741-2 MSI	500	T	22:05	X																			
ZZZZZZ			22:12																				

Preliminary Data

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Instrument ID: IC Method: 7199

Start Date: 10/27/2009 16:53 End Date: 10/28/2009 08:40

Lab Sample ID	D/F	Type	Time	Analytes																			
				Cr6																			
CCV 460-22883/42	1		22:19	X																			
CCB 460-22883/43	1		22:27	X																			
460-6741-3	2	T	22:34	X																			
ZZZZZZ			22:41																				
460-6741-4	2	T	22:48	X																			
ZZZZZZ			22:56																				
460-6741-2 PDS	40	T	23:03	X																			
ZZZZZZ			23:10																				
MB 460-20678/1-A ^2	2	T	23:17	X																			
ZZZZZZ			23:25																				
ZZZZZZ			23:32																				
LCS 460-20678/2-A ^25	25	T	23:39	X																			
CCV 460-22883/54	1		23:47	X																			
CCB 460-22883/55	1		23:54	X																			
ZZZZZZ			00:01																				
LCSI 460-20678/3-A ^500	500	T	00:09	X																			
460-6741-5	2	T	00:16	X																			
ZZZZZZ			00:23																				
460-6741-5 DU	2	T	00:31	X																			
ZZZZZZ			00:38																				
ZZZZZZ			00:46																				
460-6741-5 MS	40	T	00:53	X																			
ZZZZZZ			01:00																				
460-6741-5 MSI	500	T	01:08	X																			
CCV 460-22883/66	1		01:15	X																			
CCB 460-22883/67	1		01:23	X																			
ZZZZZZ			01:30																				
460-6741-5 PDS	40	T	01:37	X																			
MB 460-20679/1-A ^2	2	T	01:45	X																			
ZZZZZZ			01:52																				
ZZZZZZ			01:59																				
LCS 460-20679/2-A ^25	25	T	02:07	X																			
LCSI 460-20679/3-A ^500	500	T	02:14	X																			
ZZZZZZ			02:21																				
460-6741-6	2	T	02:29	X																			
ZZZZZZ			02:36																				
CCV 460-22883/78	1		02:43	X																			
CCB 460-22883/79	1		02:51	X																			
ZZZZZZ			02:58																				
460-6741-6 DU	2	T	03:05	X																			
ZZZZZZ			03:12																				

Preliminary Data

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Instrument ID: IC Method: 7199

Start Date: 10/27/2009 16:53 End Date: 10/28/2009 08:40

Lab Sample ID	D/F	Type	Time	Analytes																			
				Cr6																			
460-6741-6 MS	40	T	03:20	X																			
460-6741-6 MSI	500	T	03:27	X																			
ZZZZZZ			03:34																				
460-6741-7	2	T	03:41	X																			
ZZZZZZ			03:49																				
ZZZZZZ			03:56																				
460-6741-6 PDS	40	T	04:03	X																			
CCV 460-22883/90	1		04:10	X																			
CCB 460-22883/91	1		04:18	X																			
MB 460-20680/1-A ^2	2	T	04:25	X																			
ZZZZZZ			04:32																				
ZZZZZZ			04:40																				
LCS 460-20680/2-A ^25	25	T	04:47	X																			
LCSI 460-20680/3-A ^500	500	T	04:55	X																			
ZZZZZZ			05:02																				
460-6741-8	2	T	05:09	X																			
ZZZZZZ			05:17																				
ZZZZZZ			05:24																				
460-6741-8 DU	2	T	05:32	X																			
CCV 460-22883/102	1		05:39	X																			
CCB 460-22883/103	1		05:46	X																			
ZZZZZZ			05:54																				
460-6741-8 MS	40	T	06:01	X																			
ZZZZZZ			06:09																				
460-6741-8 MSI	500	T	06:16	X																			
ZZZZZZ			06:23																				
460-6741-9	2	T	06:31	X																			
460-6741-10	2	T	06:38	X																			
ZZZZZZ			06:45																				
ZZZZZZ			06:53																				
460-6741-8 PDS	40	T	07:00	X																			
CCV 460-22883/114	1		07:07	X																			
CCB 460-22883/115	1		07:14	X																			
ZZZZZZ			07:22																				
MB 460-20681/1-A ^2	2	T	07:29	X																			
ZZZZZZ			07:36																				
LCS 460-20681/2-A ^25	25	T	07:44	X																			
LCSI 460-20681/3-A ^500	500	T	07:51	X																			
ZZZZZZ			07:58																				
460-6741-11	2	T	08:11	X																			
ZZZZZZ			08:18																				

Preliminary Data

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Instrument ID: IC Method: 7199

Start Date: 10/27/2009 16:53 End Date: 10/28/2009 08:40

Lab Sample ID	D/F	Type	Time	Analytes																			
				Cr6																			
460-6741-11 DU	2	T	08:26	X																			
ZZZZZZ			08:33																				
CCV 460-22883/126	1		08:40	X																			

Prep Types
T = Total/NA

Preliminary Data

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Instrument ID: IC Method: 7199

Start Date: 10/28/2009 10:36 End Date: 10/29/2009 07:51

Lab Sample ID	D/F	Type	Time	Analytes																			
				Cr6																			
ZZZZZZ			10:36																				
ZZZZZZ			10:43																				
ZZZZZZ			10:50																				
ZZZZZZ			10:58																				
ZZZZZZ			11:05																				
ICV 460-23659/6	1		11:17	X																			
ICB 460-23659/7	1		11:24	X																			
ZZZZZZ			11:31																				
MB 460-20674/1-A ^2	2	T	11:39	X																			
ZZZZZZ			11:46																				
LCS 460-20674/2-A ^25	25	T	11:53	X																			
ZZZZZZ			12:01																				
LCSI 460-20674/3-A ^500	500	T	12:08	X																			
460-6741-1	5	T	12:15	X																			
ZZZZZZ			12:23																				
ZZZZZZ			12:33																				
460-6741-1 DU	5	T	12:43	X																			
CCV 460-23659/18	1		12:53	X																			
CCB 460-23659/19	1		13:03	X																			
460-6741-1 MS	40	T	13:11	X																			
ZZZZZZ			13:18																				
ZZZZZZ			13:26																				
460-6741-1 MSI	500	T	13:33	X																			
460-6741-1 PDS	40	T	13:40	X																			
ZZZZZZ			13:48																				
ZZZZZZ			13:55																				
MB 460-20676/1-A ^2	2	T	14:03	X																			
LCS 460-20676/2-A ^25	25	T	14:10	X																			
ZZZZZZ			14:17																				
CCV 460-23659/30	1		14:25	X																			
CCB 460-23659/31	1		14:32	X																			
LCSI 460-20676/3-A ^500	500	T	14:39	X																			
ZZZZZZ			14:47																				
460-6741-2	5	T	14:54	X																			
ZZZZZZ			15:01																				
460-6741-2 DU	5	T	15:09	X																			
ZZZZZZ			15:16																				
460-6741-2 MS	40	T	15:23	X																			
ZZZZZZ			15:31																				
460-6741-2 MSI	500	T	15:38	X																			
ZZZZZZ			15:47																				

Preliminary Data

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Instrument ID: IC Method: 7199

Start Date: 10/28/2009 10:36 End Date: 10/29/2009 07:51

Lab Sample ID	D/F	Type	Time	Analytes																			
				Cr6																			
CCV 460-23659/42	1		15:54	X																			
CCB 460-23659/43	1		16:01	X																			
460-6741-3	5	T	16:09	X																			
ZZZZZZ			16:23																				
ZZZZZZ			16:30																				
460-6741-4	5	T	16:40	X																			
460-6741-2 PDS	40	T	16:49	X																			
ZZZZZZ			16:56																				
MB 460-20678/1-A ^2	2	T	17:03	X																			
MB 460-20678/1-A ^2	2	T	17:11	X																			
ZZZZZZ			17:18																				
LCS 460-20678/2-A ^25	25	T	17:25	X																			
CCV 460-23659/54	1		17:33	X																			
CCB 460-23659/55	1		17:40	X																			
ZZZZZZ			17:47																				
LCSI 460-20678/3-A ^500	500	T	17:55	X																			
ZZZZZZ			18:02																				
460-6741-5	5	T	18:09	X																			
ZZZZZZ			18:17																				
460-6741-5 DU	5	T	18:24	X																			
460-6741-5 MS	40	T	18:32	X																			
ZZZZZZ			18:39																				
ZZZZZZ			18:46																				
460-6741-5 MSI	500	T	18:54	X																			
CCV 460-23659/66	1		19:01	X																			
CCB 460-23659/67	1		19:09	X																			
460-6741-5 PDS	40	T	19:16	X																			
ZZZZZZ			19:23																				
ZZZZZZ			19:31																				
MB 460-20679/1-A ^2	2	T	19:38	X																			
ZZZZZZ			19:46																				
LCS 460-20679/2-A ^25	25	T	19:53	X																			
LCSI 460-20679/3-A ^500	500	T	20:00	X																			
ZZZZZZ			20:08																				
460-6741-6	5	T	20:15	X																			
ZZZZZZ			20:22																				
CCV 460-23659/78	1		20:29	X																			
CCB 460-23659/79	1		20:37	X																			
460-6741-6 DU	5	T	20:44	X																			
ZZZZZZ			20:51																				
ZZZZZZ			20:58																				

Preliminary Data

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Instrument ID: IC Method: 7199

Start Date: 10/28/2009 10:36 End Date: 10/29/2009 07:51

Lab Sample ID	D/F	Type	Time	Analytes																			
				Cr6																			
460-6741-6 MS	40	T	21:06	X																			
ZZZZZZ			21:13																				
460-6741-6 MSI	500	T	21:20	X																			
460-6741-7	5	T	21:27	X																			
ZZZZZZ			21:35																				
460-6741-6 PDS	40	T	21:42	X																			
ZZZZZZ			21:49																				
CCV 460-23659/90	1		21:57	X																			
CCB 460-23659/91	1		22:04	X																			
ZZZZZZ			22:11																				
MB 460-20680/1-A ^2	2	T	22:19	X																			
ZZZZZZ			22:26																				
LCS 460-20680/2-A ^25	25	T	22:33	X																			
ZZZZZZ			22:41																				
LCSI 460-20680/3-A ^500	500	T	22:48	X																			
ZZZZZZ			22:55																				
460-6741-8	5	T	23:03	X																			
460-6741-8 DU	5	T	23:10	X																			
ZZZZZZ			23:18																				
CCV 460-23659/102	1		23:25	X																			
CCB 460-23659/103	1		23:32	X																			
460-6741-8 MS	40	T	23:40	X																			
ZZZZZZ			23:47																				
ZZZZZZ			23:55																				
460-6741-8 MSI	500	T	00:02	X																			
460-6741-9	5	T	00:09	X																			
ZZZZZZ			00:17																				
ZZZZZZ			00:24																				
460-6741-10	5	T	00:31	X																			
ZZZZZZ			00:39																				
460-6741-8 PDS	40	T	00:46	X																			
CCV 460-23659/114	1		00:53	X																			
CCB 460-23659/115	1		01:01	X																			
ZZZZZZ			01:08																				
MB 460-20681/1-A ^2	2	T	01:15	X																			
ZZZZZZ			01:22																				
LCS 460-20681/2-A ^25	25	T	01:30	X																			
LCSI 460-20681/3-A ^500	500	T	01:37	X																			
ZZZZZZ			01:44																				
460-6741-11	5	T	01:51	X																			
ZZZZZZ			01:59																				

Preliminary Data

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Instrument ID: IC Method: 7199

Start Date: 10/28/2009 10:36 End Date: 10/29/2009 07:51

Lab Sample ID	D/F	Type	Time	Analytes																			
				Cr6																			
460-6741-11 DU	5	T	02:06	X																			
ZZZZZZ			02:13																				
CCV 460-23659/126	1		02:21	X																			
CCB 460-23659/127	1		02:28	X																			
ZZZZZZ			02:35																				
460-6741-11 MS	40	T	02:43	X																			
460-6741-11 MSI	500	T	02:50	X																			
ZZZZZZ			02:58																				
ZZZZZZ			03:05																				
460-6741-12	5	T	03:12	X																			
460-6741-13	5	T	03:20	X																			
ZZZZZZ			03:27																				
ZZZZZZ			03:35																				
460-6741-11 PDS	40	T	03:42	X																			
CCV 460-23659/138	1		03:49	X																			
CCB 460-23659/139	1		03:57	X																			
ZZZZZZ			04:04																				
MB 460-20682/1-A ^2	2	T	04:11	X																			
ZZZZZZ			04:19																				
LCS 460-20682/2-A ^25	25	T	04:26	X																			
LCSI 460-20682/3-A ^500	500	T	04:33	X																			
ZZZZZZ			04:41																				
460-6741-14	5	T	04:48	X																			
ZZZZZZ			04:55																				
460-6741-14 DU	5	T	05:02	X																			
ZZZZZZ			05:10																				
CCV 460-23659/150	1		05:17	X																			
CCB 460-23659/151	1		05:24	X																			
ZZZZZZ			05:32																				
460-6741-14 MS	40	T	05:39	X																			
460-6741-14 MSI	500	T	05:46	X																			
ZZZZZZ			05:53																				
ZZZZZZ			06:01																				
460-6741-14 PDS	40	T	06:08	X																			
MB 460-20683/1-A ^2	2	T	06:15	X																			
ZZZZZZ			06:23																				
ZZZZZZ			06:30																				
LCS 460-20683/2-A ^25	25	T	06:37	X																			
CCV 460-23659/162	1		06:45	X																			
CCB 460-23659/163	1		06:52	X																			
ZZZZZZ			06:59																				

Preliminary Data

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Instrument ID: IC Method: 7199

Start Date: 10/28/2009 10:36 End Date: 10/29/2009 07:51

Lab Sample ID	D/F	Type	Time	Analytes																			
				Cr6																			
LCSI 460-20683/3-A ^500	500	T	07:07	X																			
460-6741-15	5	T	07:14	X																			
ZZZZZZ			07:22																				
ZZZZZZ			07:29																				
460-6741-15 DU	5	T	07:36	X																			
460-6741-15 MS	40	T	07:44	X																			
ZZZZZZ			07:51																				

Prep Types

T = Total/NA

Preliminary Data

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Instrument ID: IC Method: 7199

Start Date: 11/02/2009 20:04 End Date: 11/03/2009 07:41

Lab Sample ID	D/F	Type	Time	Analytes																			
				Cr6																			
CCV 460-23881/1			20:04																				
CCB 460-23881/2			20:11																				
ZZZZZZ			20:19																				
ZZZZZZ			20:26																				
ZZZZZZ			20:33																				
ZZZZZZ			20:41																				
ZZZZZZ			20:48																				
ZZZZZZ			20:55																				
ZZZZZZ			21:03																				
ZZZZZZ			21:10																				
ZZZZZZ			21:17																				
ZZZZZZ			21:25																				
CCV 460-23881/13			21:32																				
CCB 460-23881/14			21:39																				
ZZZZZZ			21:47																				
ZZZZZZ			21:54																				
ZZZZZZ			22:01																				
ZZZZZZ			22:08																				
ZZZZZZ			22:15																				
ZZZZZZ			22:23																				
ZZZZZZ			22:30																				
ZZZZZZ			22:37																				
ZZZZZZ			22:44																				
ZZZZZZ			22:51																				
CCV 460-23881/25			22:59																				
CCB 460-23881/26			23:06																				
ZZZZZZ			23:13																				
ZZZZZZ			23:20																				
ZZZZZZ			23:27																				
ZZZZZZ			23:34																				
ZZZZZZ			23:42																				
ZZZZZZ			23:49																				
ZZZZZZ			23:56																				
ZZZZZZ			00:03																				
ZZZZZZ			00:11																				
ZZZZZZ			00:18																				
CCV 460-23881/37			00:25																				
CCB 460-23881/38			00:33																				
ZZZZZZ			00:40																				
ZZZZZZ			00:47																				
ZZZZZZ			00:55																				
ZZZZZZ			01:02																				

Preliminary Data

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Instrument ID: IC Method: 7199

Start Date: 11/02/2009 20:04 End Date: 11/03/2009 07:41

Lab Sample ID	D/F	Type	Time	Analytes																			
				Cr6																			
ZZZZZZ			01:09																				
ZZZZZZ			01:17																				
MB 460-20683/1-A ^2	2	T	01:24	X																			
ZZZZZZ			01:31																				
ZZZZZZ			01:39																				
LCS 460-20683/2-A ^25	25	T	01:46	X																			
CCV 460-23881/49	1		01:53	X																			
CCB 460-23881/50	1		02:01	X																			
ZZZZZZ			02:08																				
LCSI 460-20683/3-A ^500	500	T	02:15	X																			
460-6741-15	5	T	02:22	X																			
ZZZZZZ			02:30																				
460-6741-15 DU	5	T	02:37	X																			
ZZZZZZ			02:44																				
460-6741-15 MS	40	T	02:51	X																			
ZZZZZZ			02:58																				
ZZZZZZ			03:06																				
460-6741-15 MSI	500	T	03:13	X																			
CCV 460-23881/61	1		03:20	X																			
CCB 460-23881/62	1		03:27	X																			
ZZZZZZ			03:34																				
460-6741-16	5	T	03:42	X																			
460-6741-15 PDS	40	T	03:49	X																			
ZZZZZZ			03:56																				
MB 460-20684/1-A ^2	2	T	04:03	X																			
ZZZZZZ			04:11																				
ZZZZZZ			04:18																				
LCS 460-20684/2-A ^25	25	T	04:25	X																			
LCSI 460-20684/3-A ^500	500	T	04:32	X																			
ZZZZZZ			04:40																				
CCV 460-23881/73	1		04:47	X																			
CCB 460-23881/74	1		04:55	X																			
ZZZZZZ			05:02																				
460-6741-17	5	T	05:09	X																			
460-6741-17 DU	5	T	05:17	X																			
ZZZZZZ			05:24																				
ZZZZZZ			05:31																				
460-6741-17 MS	40	T	05:39	X																			
ZZZZZZ			05:46																				
460-6741-17 MSI	500	T	05:53	X																			
ZZZZZZ			06:00																				

Preliminary Data

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Instrument ID: IC Method: 7199

Start Date: 11/02/2009 20:04 End Date: 11/03/2009 07:41

Lab Sample ID	D/F	Type	Time	Analytes																			
				Cr6																			
460-6741-17 PDS	40	T	06:08	X																			
CCV 460-23881/85	1		06:15	X																			
CCB 460-23881/86	1		06:22	X																			
ZZZZZZ			06:29																				
ZZZZZZ			06:36																				
ZZZZZZ			06:44																				
ZZZZZZ			06:51																				
ZZZZZZ			06:58																				
ZZZZZZ			07:05																				
ZZZZZZ			07:12																				
ZZZZZZ			07:20																				
ZZZZZZ			07:27																				
ZZZZZZ			07:34																				
CCV 460-23881/97			07:41																				

Prep Types
T = Total/NA

Preliminary Data

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 10/19/2009 21:42 End Date: 10/20/2009 00:06

Lab Sample ID	D/F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			21:42																				
ZZZZZZ			21:42																				
ZZZZZZ			21:42																				
ZZZZZZ			21:42																				
ZZZZZZ			21:42																				
ZZZZZZ			21:42																				
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ZZZZZZ			21:42																				
ZZZZZZ			21:42																				
ZZZZZZ			21:42																				
ZZZZZZ			21:42																				
ZZZZZZ			21:42																				
460-6928-A-7 DU	1	T	21:42	X	X																		
ZZZZZZ			21:42																				

Preliminary Data

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 10/19/2009 21:42 End Date: 10/20/2009 00:06

Lab Sample ID	D/F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			21:42																				
ZZZZZZ			21:42																				
ZZZZZZ			21:42																				
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ZZZZZZ			21:42																				
ZZZZZZ			21:42																				
ZZZZZZ			21:42																				
460-6741-17	1	T	21:42	X	X																		
460-6741-11	1	T	21:42	X	X																		
ZZZZZZ			21:42																				
460-6852-B-1 DU	1	T	21:42	X	X																		
460-6741-16	1	T	21:42	X	X																		
460-6741-15	1	T	21:42	X	X																		
460-6741-10	1	T	21:42	X	X																		

Preliminary Data

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 10/19/2009 21:42 End Date: 10/20/2009 00:06

Lab Sample ID	D/F	Type	Time	Analytes																			
				% Sol	Moist																		
460-6741-12	1	T	21:42	X	X																		
460-6741-13	1	T	21:42	X	X																		
460-6741-14	1	T	21:42	X	X																		
460-6741-9	1	T	21:42	X	X																		
460-6741-8	1	T	21:42	X	X																		
460-6741-1	1	T	21:42	X	X																		
460-6741-2	1	T	21:42	X	X																		
460-6741-3	1	T	21:42	X	X																		
460-6741-4	1	T	21:42	X	X																		
460-6741-5	1	T	21:42	X	X																		
460-6741-6	1	T	21:42	X	X																		
460-6741-7	1	T	21:42	X	X																		
ZZZZZZ			21:42																				
ZZZZZZ			21:42																				
ZZZZZZ			21:42																				
ZZZZZZ			21:42																				
ZZZZZZ			23:59																				
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ZZZZZZ			23:59																				

Preliminary Data

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-6741-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 10/19/2009 21:42 End Date: 10/20/2009 00:06

Lab Sample ID	D/F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			23:59																				
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Preliminary Data

Prep Types
T = Total/NA

Report date: 11/17/2009 11:16:27 AM
Printed by: TestAmerica - Edison

Ident: 0 ppb
Analysis from: 10/27/2009 4:53:47 PM
File: ta271653.chw Last save: 11/17/2009 11:14:33 AM
Modified!
Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20400

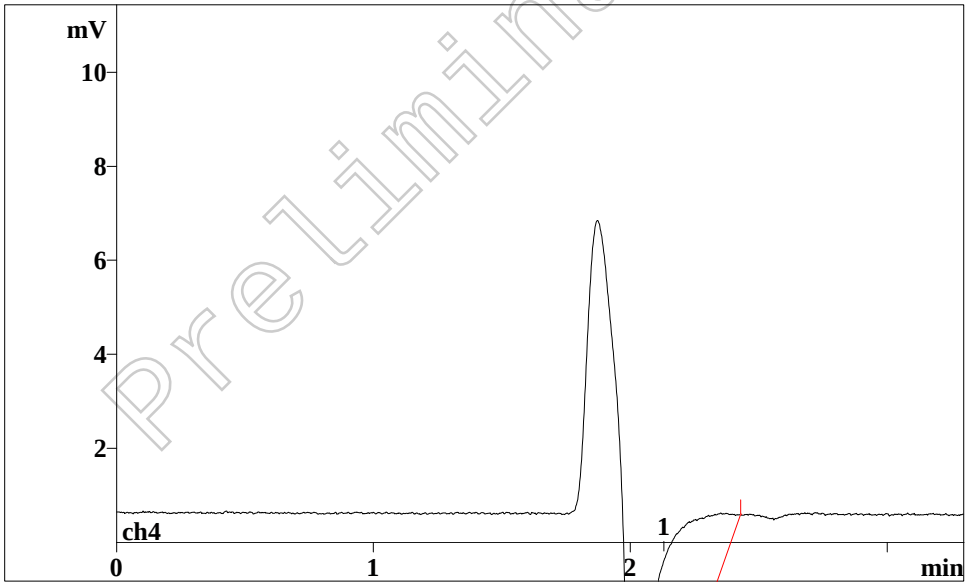
SAMPLE: 100ul loop
:
Vial number: 1
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;
1;	0.00;	0.000;	0.00;	0.00;	0.000;	0.00;	0.00;	0.00;

Report date: 11/17/2009 11:16:47 AM
Printed by: TestAmerica - Edison

Ident: 5 ppb
Analysis from: 10/27/2009 5:01:02 PM
File: ta271701.chw Last save: 11/17/2009 11:14:33 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20401

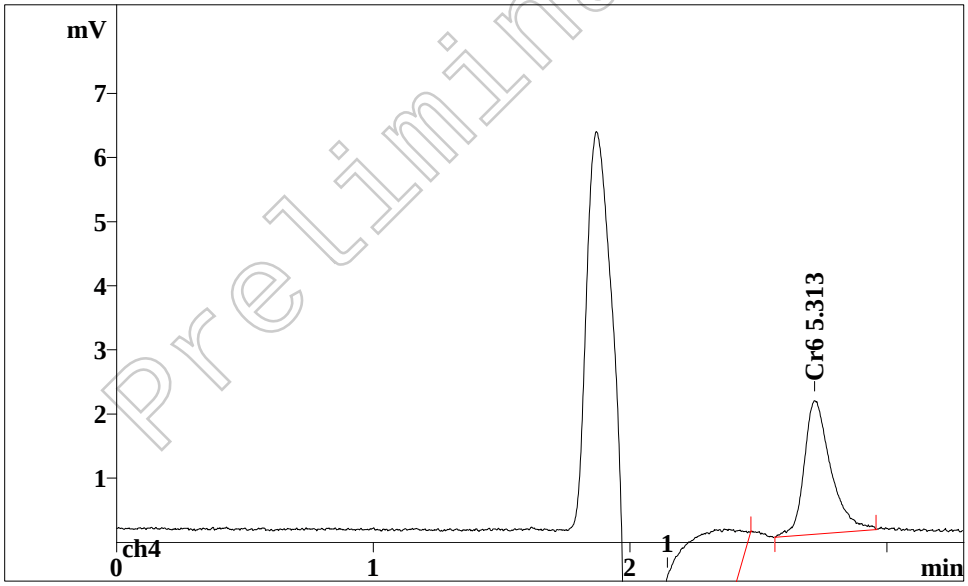
SAMPLE: 100ul loop
:
Vial number: 2
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.104;	2.08;	35.22;	15.009;	19.50;	0.00;	0.00;	32

Report date: 11/17/2009 11:16:52 AM
Printed by: TestAmerica - Edison

Ident: 10 ppb
Analysis from: 10/27/2009 5:08:17 PM
File: ta271708.chw Last save: 11/17/2009 11:14:33 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20402

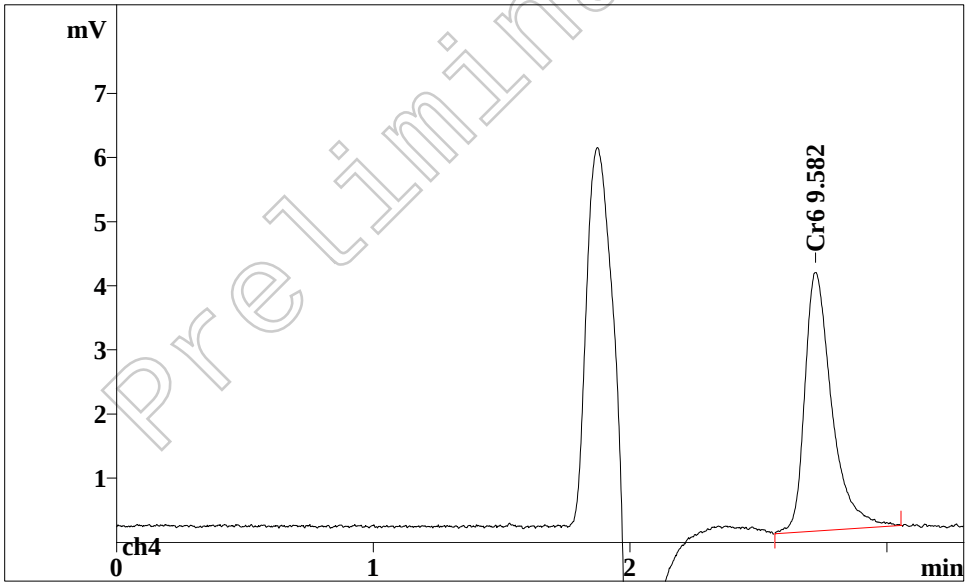
SAMPLE: 100ul loop
:
Vial number: 3
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.105;	4.04;	100.07;	29.578;	100.00;	0.00;	0.00;	31

Report date: 11/17/2009 11:17:00 AM
Printed by: TestAmerica - Edison

Ident: 25 ppb
Analysis from: 10/27/2009 5:17:35 PM
File: ta271717.chw Last save: 11/17/2009 11:14:34 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20403

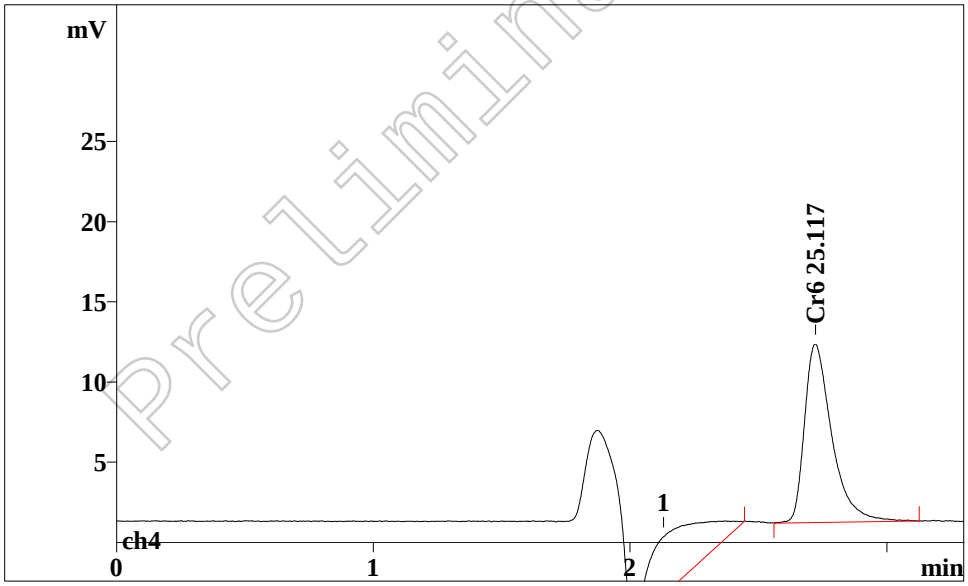
SAMPLE: 100ul loop
:
Vial number: 4
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.108;	11.14;	75.41;	82.587;	59.68;	0.00;	0.00;	30

Report date: 11/17/2009 11:17:03 AM
Printed by: TestAmerica - Edison

Ident: 50 ppb
Analysis from: 10/27/2009 5:24:51 PM
File: ta271724.chw Last save: 11/17/2009 11:14:34 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20404

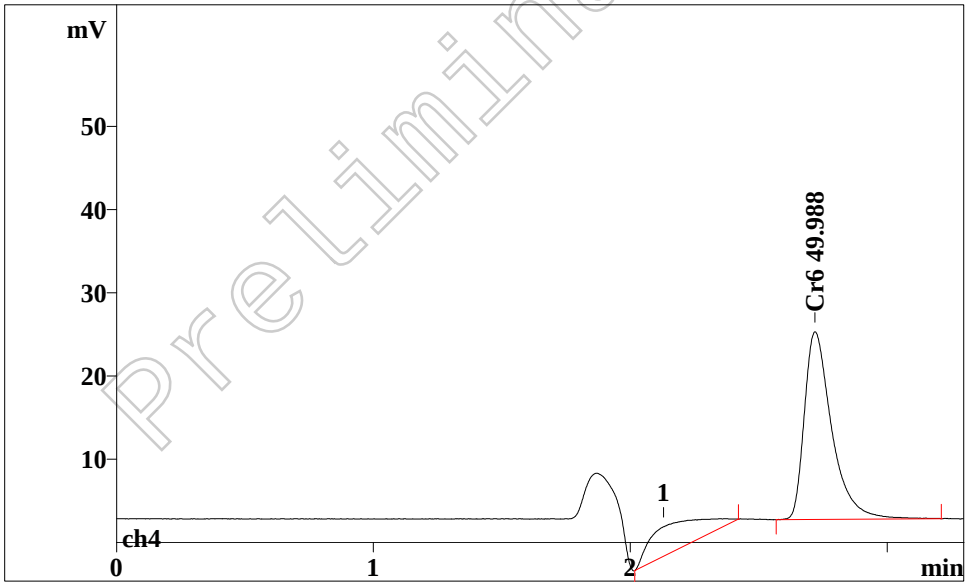
SAMPLE: 100ul loop
:
Vial number: 5
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

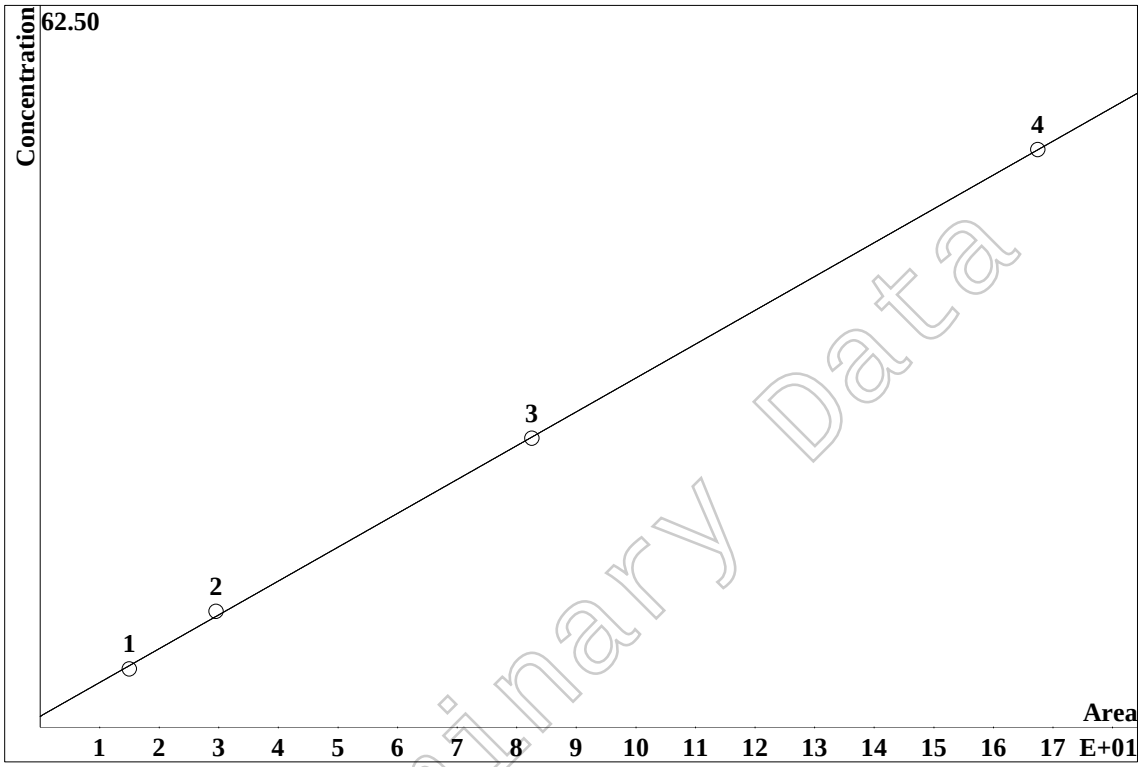
Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.108;	22.58;	86.39;	167.454;	76.45;	0.00;	0.00;	30

CALIBRATION OF COMPONENT Cr6

Method: stl_hexchrome_soil.mtw
Equation: Q = 0.29306·A + 0.914143
RSD: 1.681 %
Correlation coefficient: 0.999883



Preliminary Data

K3 = 0 K2 = 0 K1 = 0.29306 K0 = 0.914143
Base: Area
Ref.channel: ch4
ISTD:
Formula: Linear
Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1;	2.081;	15.01;	5;	1;	2.72;	Yes;	ta271701.chw
2;	4.039;	29.58;	10;	1;	2.72;	Yes;	ta271708.chw
3;	11.14;	82.59;	25;	1;	2.72;	Yes;	ta271717.chw
4;	22.58;	167.5;	50;	1;	2.72;	Yes;	ta271724.chw

Report date: 11/17/2009 11:17:16 AM
Printed by: TestAmerica - Edison

Ident: ICV
Analysis from: 10/27/2009 5:36:46 PM
File: ta271736.chw Last save: 11/17/2009 11:14:34 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20405

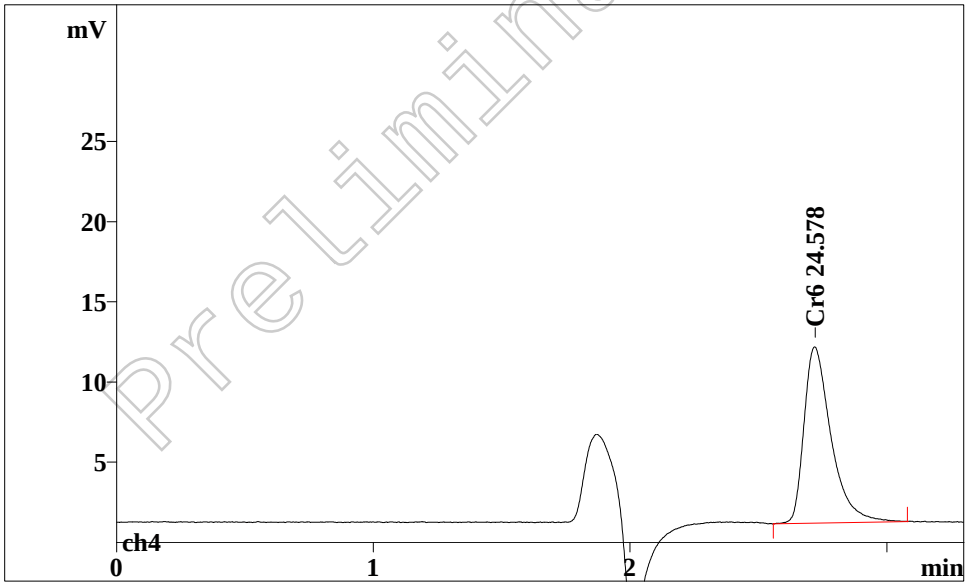
SAMPLE: 100ul loop
:
Vial number: 6
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.108;	11.01;	100.03;	80.747;	100.00;	0.00;	0.00;	31

Report date: 11/17/2009 11:17:22 AM
Printed by: TestAmerica - Edison

Ident: ICB
Analysis from: 10/27/2009 5:46:32 PM
File: ta271746.chw Last save: 11/17/2009 11:14:34 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20406

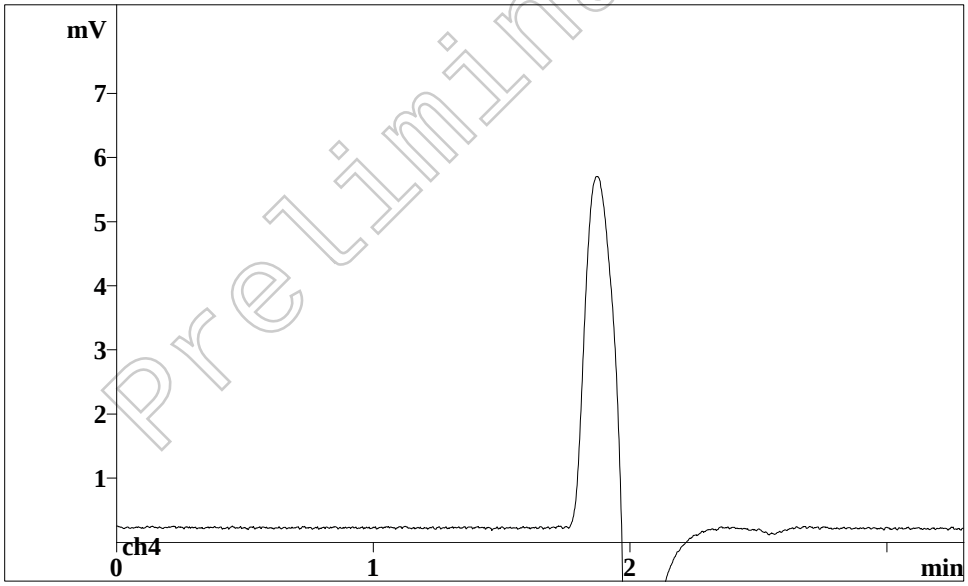
SAMPLE: 100ul loop
:
Vial number: 7
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No peaks

Report date: 11/17/2009 11:17:29 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20674/1-A@2
Analysis from: 10/27/2009 6:01:14 PM
File: ta271801.chw Last save: 11/17/2009 11:14:34 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20407

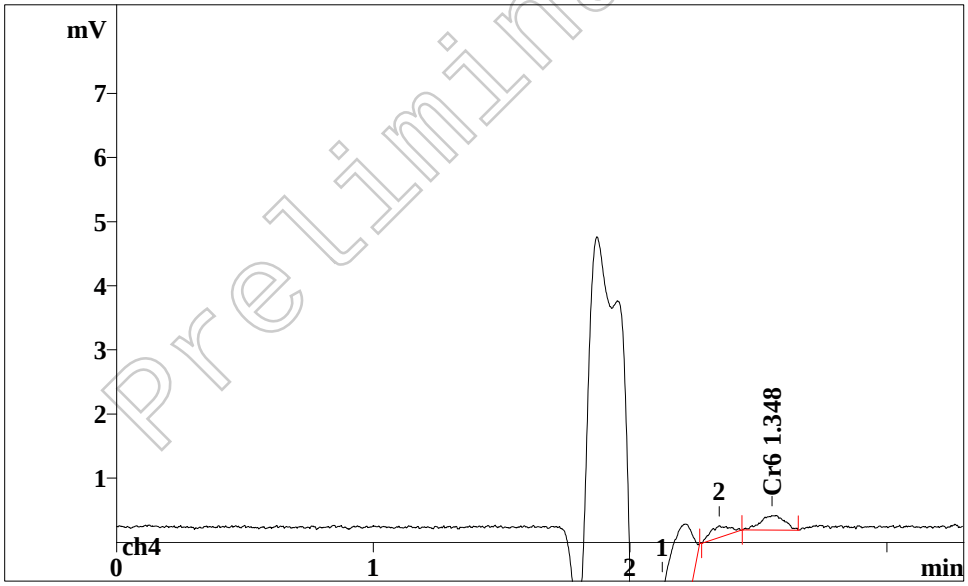
SAMPLE: 100ul loop
:
Vial number: 8
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.56;	0.107;	0.22;	8.37;	1.480;	6.61;	0.00;	0.00;	34

Report date: 11/17/2009 11:17:34 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20674/1-A@2
Analysis from: 10/27/2009 6:11:06 PM
File: ta271811.chw Last save: 11/17/2009 11:14:34 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20408

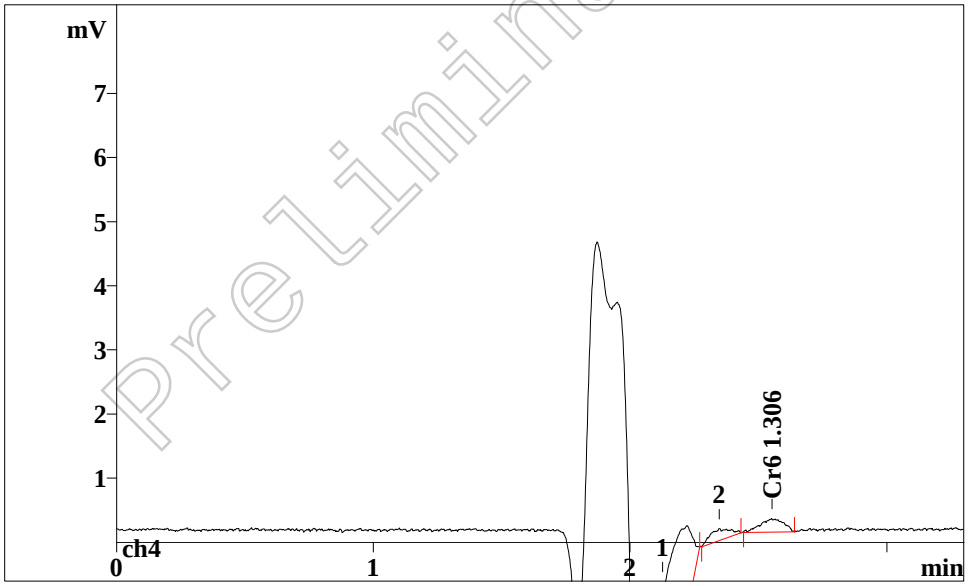
SAMPLE: 100ul loop
:
Vial number: 9
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.55;	0.110;	0.21;	7.89;	1.336;	6.04;	0.00;	0.00;	37

Report date: 11/17/2009 11:17:39 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20674/2-A@25
Analysis from: 10/27/2009 6:22:15 PM
File: ta271822.chw Last save: 11/17/2009 11:14:34 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20409

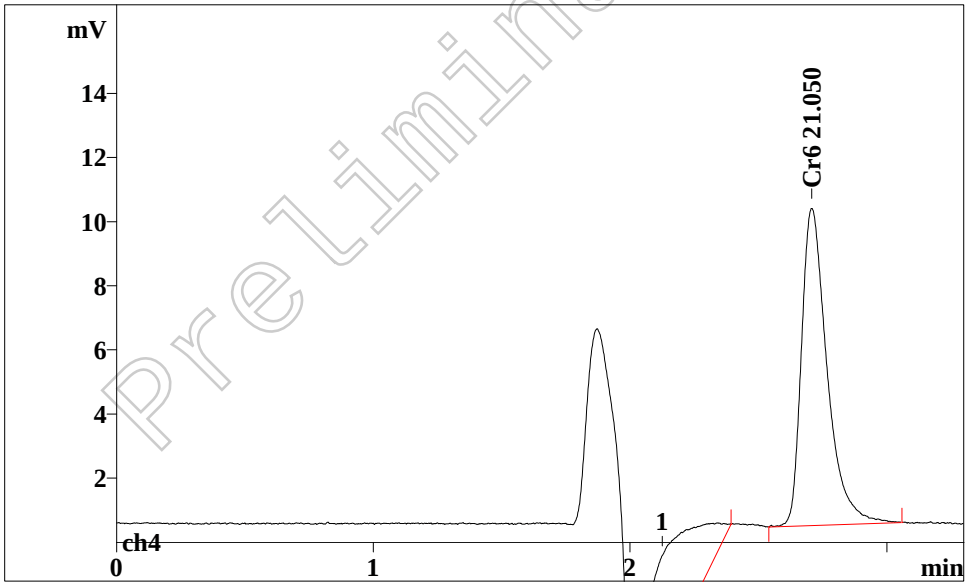
SAMPLE: 100ul loop
:
Vial number: 10
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.102;	9.90;	74.42;	68.709;	59.98;	0.00;	0.00;	34

Report date: 11/17/2009 11:17:43 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20674/2-A@25
Analysis from: 10/27/2009 6:31:46 PM
File: ta271831.chw Last save: 11/17/2009 11:14:34 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20410

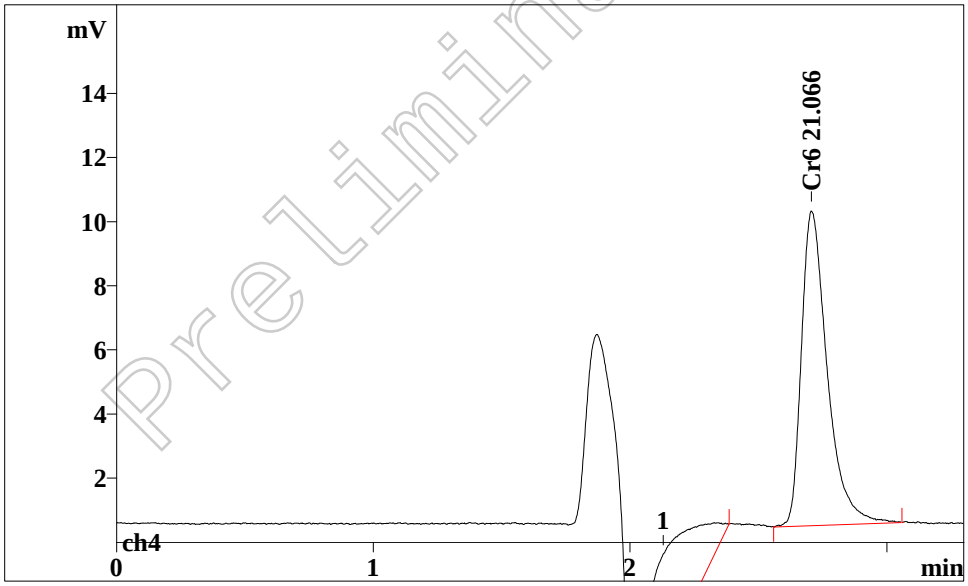
SAMPLE: 100ul loop
:
Vial number: 11
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.103;	9.81;	74.69;	68.765;	60.87;	0.00;	0.00;	33

Report date: 11/17/2009 11:17:46 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20674/3-A@500
Analysis from: 10/27/2009 6:39:07 PM
File: ta271839.chw Last save: 11/17/2009 11:14:34 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20411

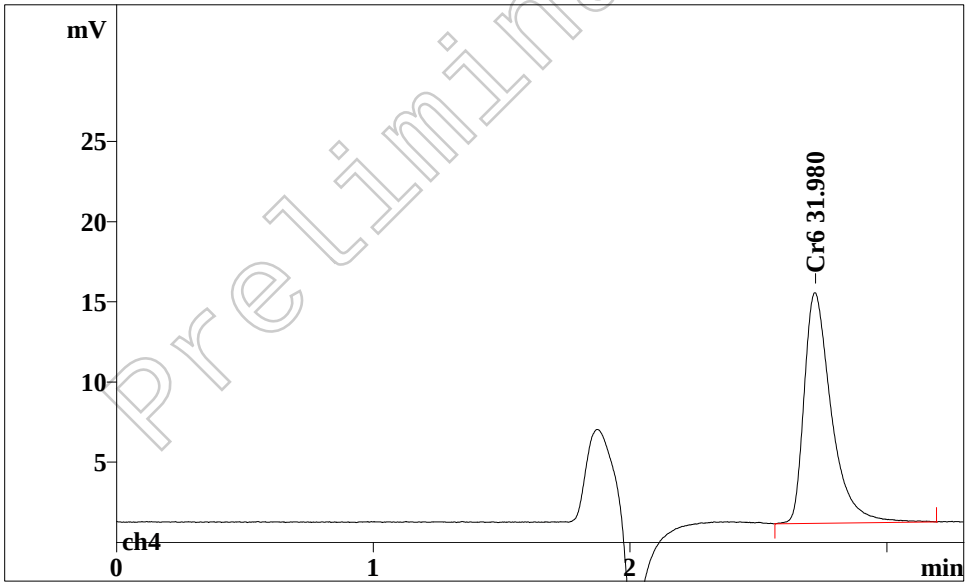
SAMPLE: 100ul loop
:
Vial number: 12
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.107;	14.39;	100.03;	106.004;	100.00;	0.00;	0.00;	30

Report date: 11/17/2009 11:17:49 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20674/3-A@500
Analysis from: 10/27/2009 6:46:28 PM
File: ta271846.chw Last save: 11/17/2009 11:14:35 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20412

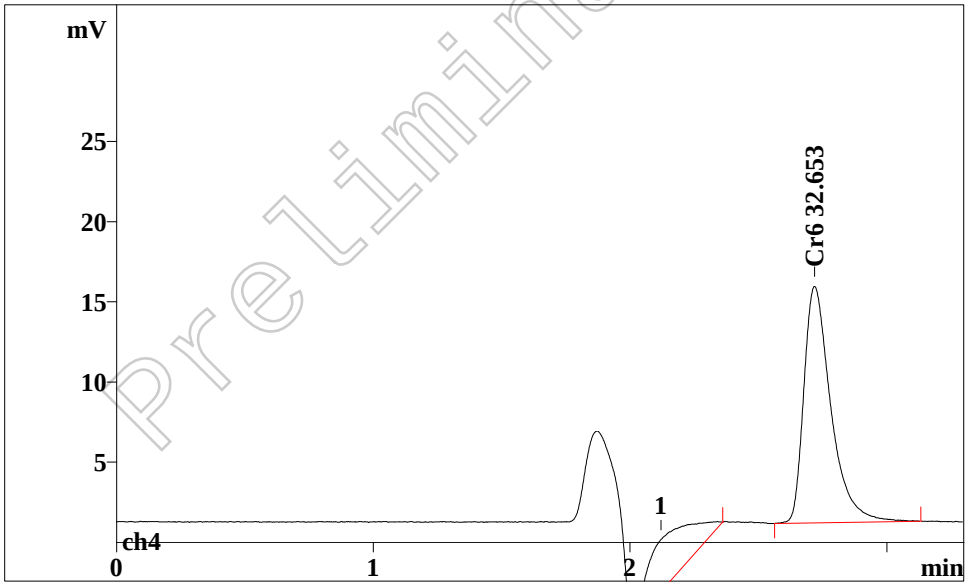
SAMPLE: 100ul loop
:
Vial number: 13
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.107;	14.77;	82.01;	108.301;	72.96;	0.00;	0.00;	31

Report date: 11/17/2009 11:17:52 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-1-A@2
Analysis from: 10/27/2009 6:53:50 PM
File: ta271853.chw Last save: 11/17/2009 11:14:35 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20413

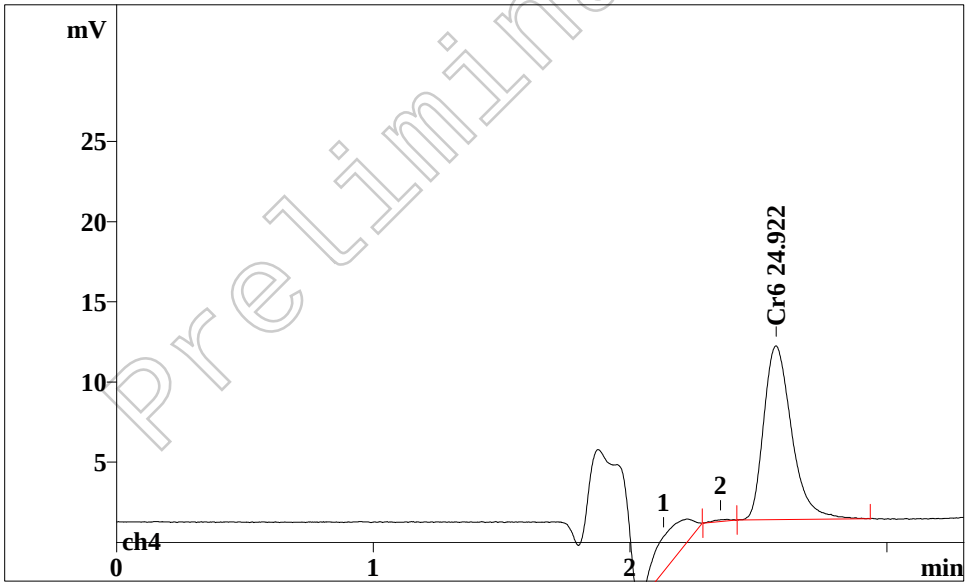
SAMPLE: 100ul loop
:
Vial number: 14
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.57;	0.114;	10.84;	82.57;	81.921;	79.74;	0.00;	0.00;	26

Report date: 11/17/2009 11:17:57 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-1-A@2
Analysis from: 10/27/2009 7:01:13 PM
File: ta271901.chw Last save: 11/17/2009 11:14:35 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20414

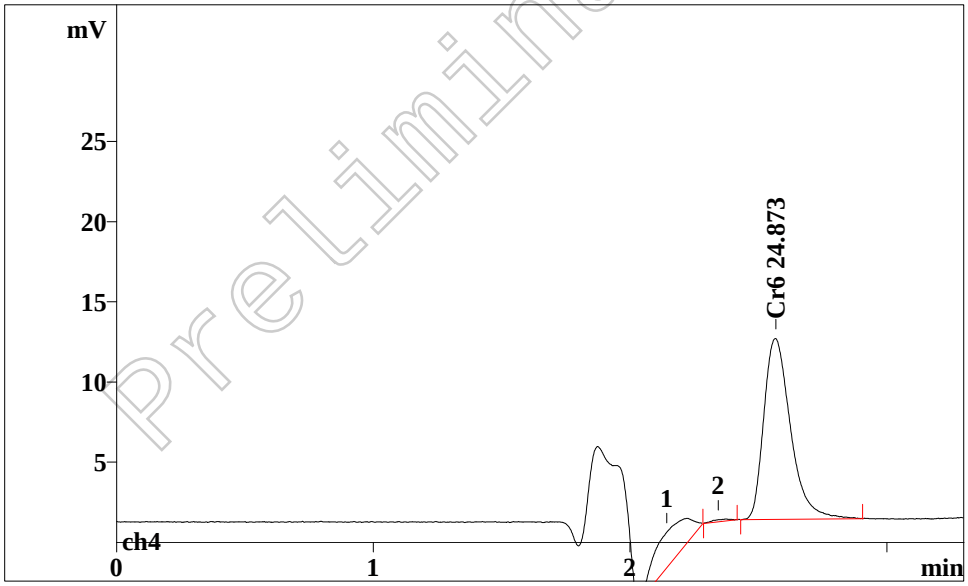
SAMPLE: 100ul loop
:
Vial number: 15
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.57;	0.109;	11.29;	82.89;	81.755;	79.03;	0.00;	0.00;	28

Report date: 11/17/2009 11:18:05 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-1-B DU@2
Analysis from: 10/27/2009 7:08:36 PM
File: ta271908.chw Last save: 11/17/2009 11:14:35 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20415

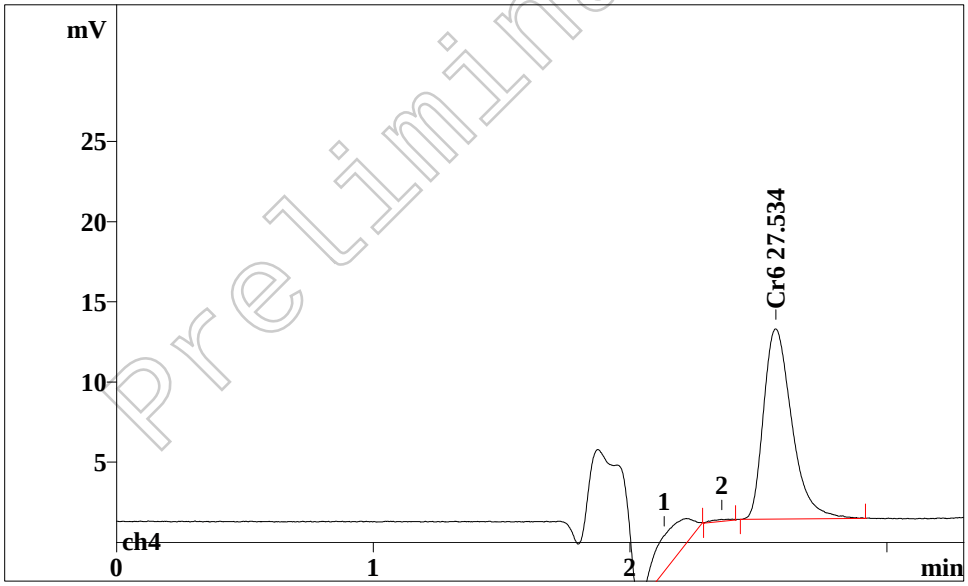
SAMPLE: 100ul loop
:
Vial number: 16
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.57;	0.116;	11.87;	83.41;	90.834;	80.85;	0.00;	0.00;	25

Report date: 11/17/2009 11:18:08 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-1-B DU@2
Analysis from: 10/27/2009 7:16:00 PM
File: ta271916.chw Last save: 11/17/2009 11:14:35 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20416

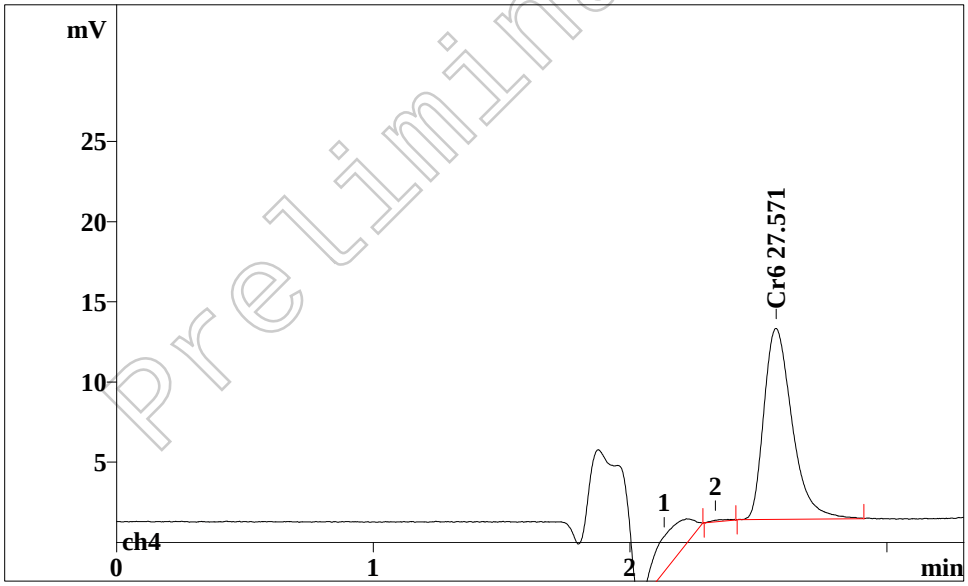
SAMPLE: 100ul loop
:
Vial number: 17
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.57;	0.115;	11.92;	83.75;	90.962;	81.10;	0.00;	0.00;	25

Report date: 11/17/2009 11:18:11 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 10/27/2009 7:23:25 PM
File: ta271923.chw Last save: 11/17/2009 11:14:35 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20417

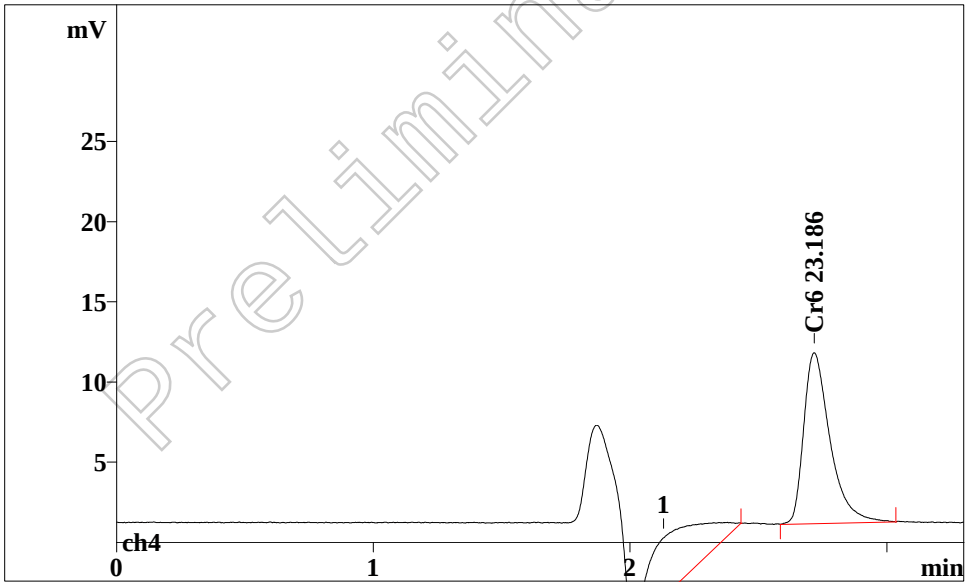
SAMPLE: 100ul loop
:
Vial number: 18
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.105;	10.66;	74.27;	75.998;	58.00;	0.00;	0.00;	32

Report date: 11/17/2009 11:18:17 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 10/27/2009 7:30:49 PM
File: ta271930.chw Last save: 11/17/2009 11:14:35 AM

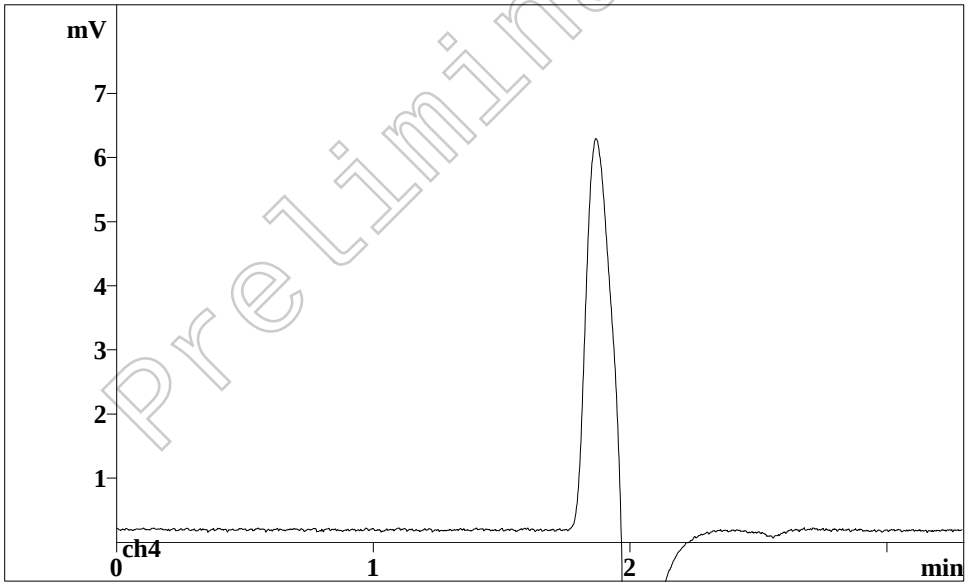
Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20418

SAMPLE: 100ul loop
:
Vial number: 19
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa



No peaks

Preliminary Data

Report date: 11/17/2009 11:18:22 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-1-C MS@40
Analysis from: 10/27/2009 7:38:13 PM
File: ta271938.chw Last save: 11/17/2009 11:14:35 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20419

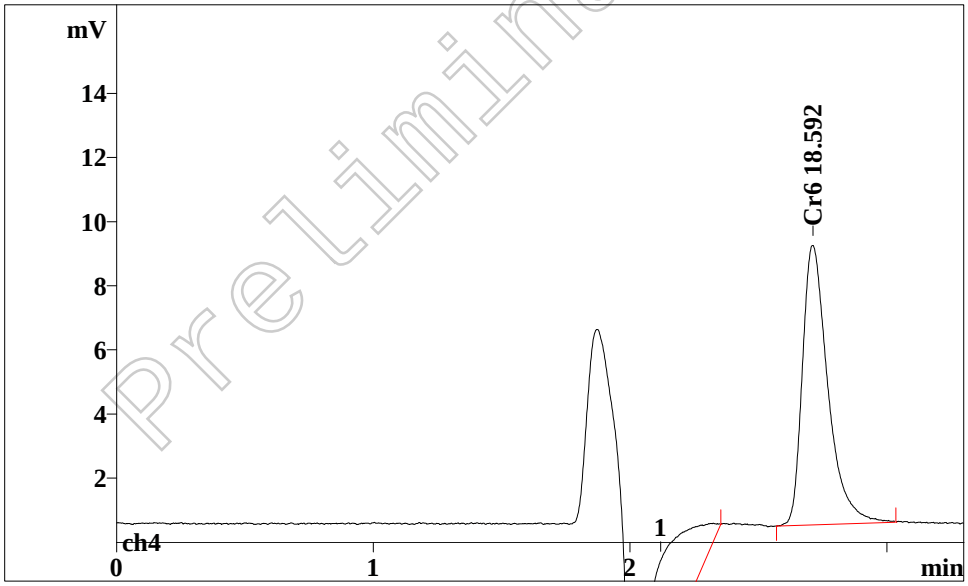
SAMPLE: 100ul loop
:
Vial number: 20
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.102;	8.73;	73.20;	60.320;	61.17;	0.00;	0.00;	34

Report date: 11/17/2009 11:18:26 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-1-C MS@40
Analysis from: 10/27/2009 7:45:38 PM
File: ta271945.chw Last save: 11/17/2009 11:14:35 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20420

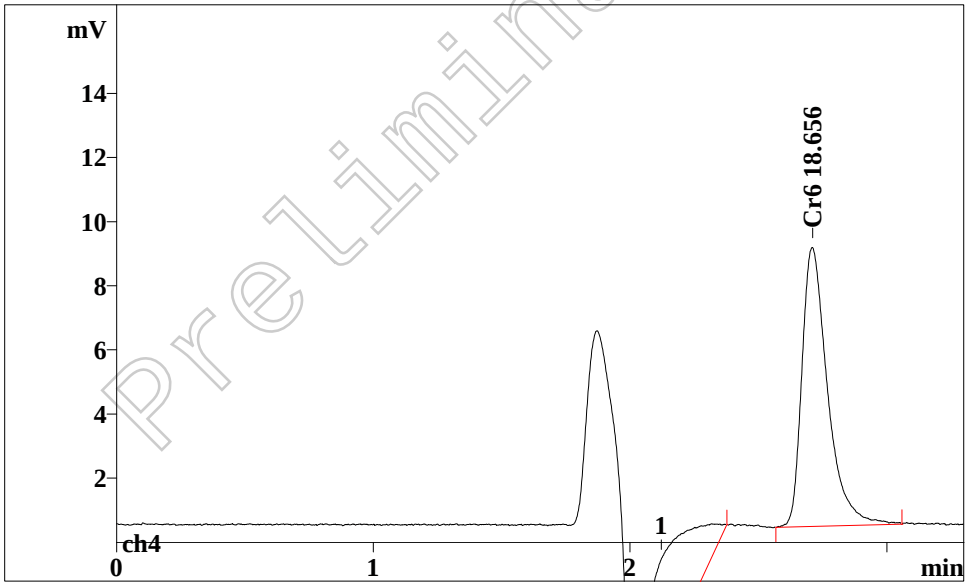
SAMPLE: 100ul loop
:
Vial number: 21
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.102;	8.70;	72.34;	60.538;	58.52;	0.00;	0.00;	34

Report date: 11/17/2009 11:18:30 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-1-D MSI@500
Analysis from: 10/27/2009 7:53:02 PM
File: ta271953.chw Last save: 11/17/2009 11:14:36 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20421

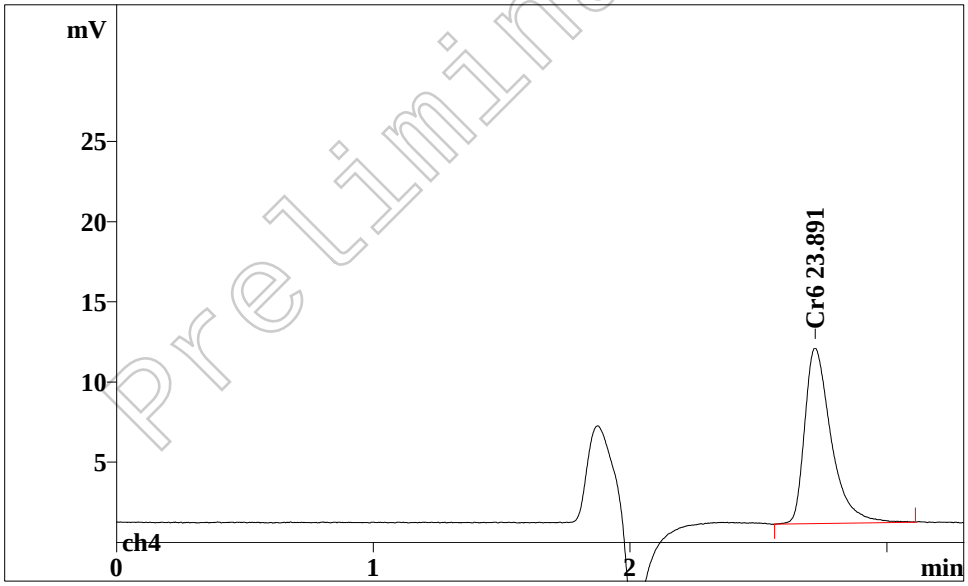
SAMPLE: 100ul loop
:
Vial number: 22
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.105;	10.95;	100.06;	78.405;	100.00;	0.00;	0.00;	32

Report date: 11/17/2009 11:18:35 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-1-D MSI@500
Analysis from: 10/27/2009 8:00:27 PM
File: ta272000.chw Last save: 11/17/2009 11:14:36 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20422

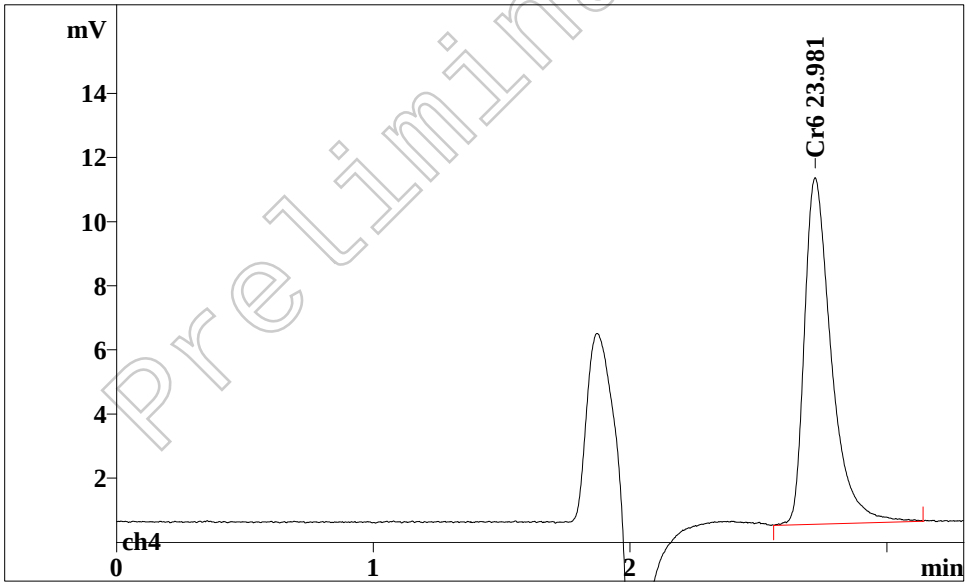
SAMPLE: 100ul loop
:
Vial number: 23
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.106;	10.81;	99.93;	78.711;	100.00;	0.00;	0.00;	31

Report date: 11/17/2009 11:18:40 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-1-A PDS@40
Analysis from: 10/27/2009 8:07:51 PM
File: ta272007.chw Last save: 11/17/2009 11:14:36 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20423

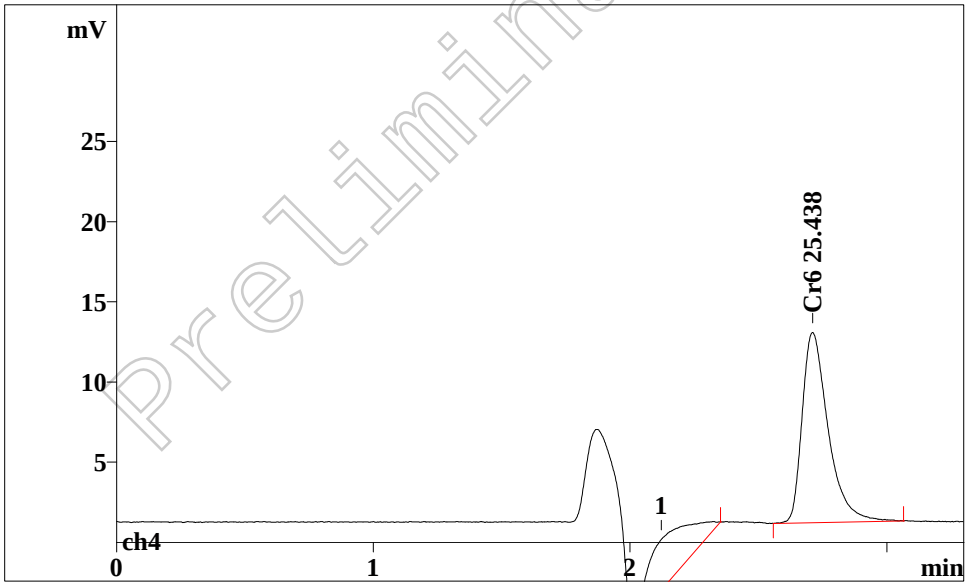
SAMPLE: 100ul loop
:
Vial number: 24
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.104;	11.86;	79.09;	83.683;	68.86;	0.00;	0.00;	33

Report date: 11/17/2009 11:18:44 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-1-A PDS@40
Analysis from: 10/27/2009 8:15:16 PM
File: ta272015.chw Last save: 11/17/2009 11:14:36 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20424

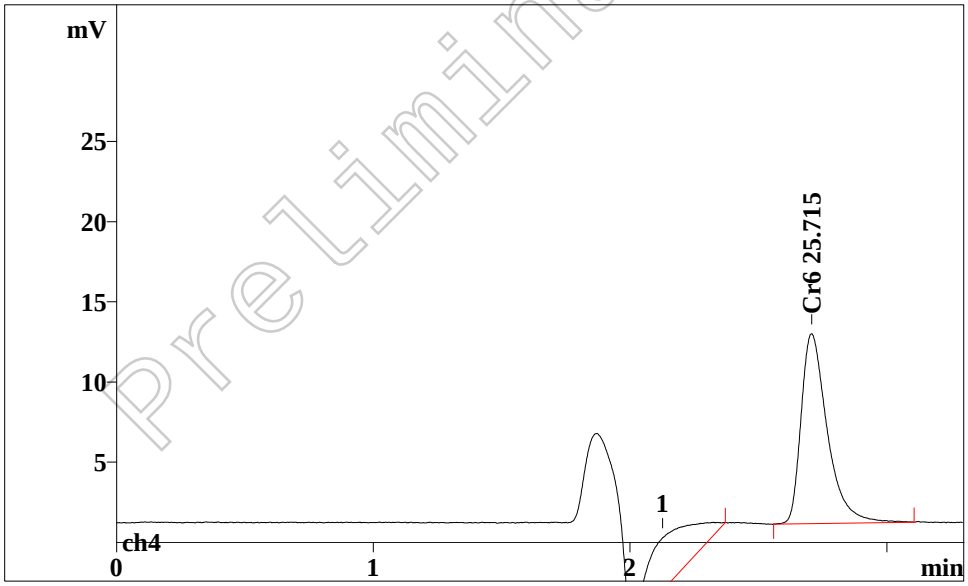
SAMPLE: 100ul loop
:
Vial number: 25
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.105;	11.85;	78.46;	84.626;	66.90;	0.00;	0.00;	32

Report date: 11/17/2009 11:18:50 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20676/1-A@2
Analysis from: 10/27/2009 8:22:40 PM
File: ta272022.chw Last save: 11/17/2009 11:14:36 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20425

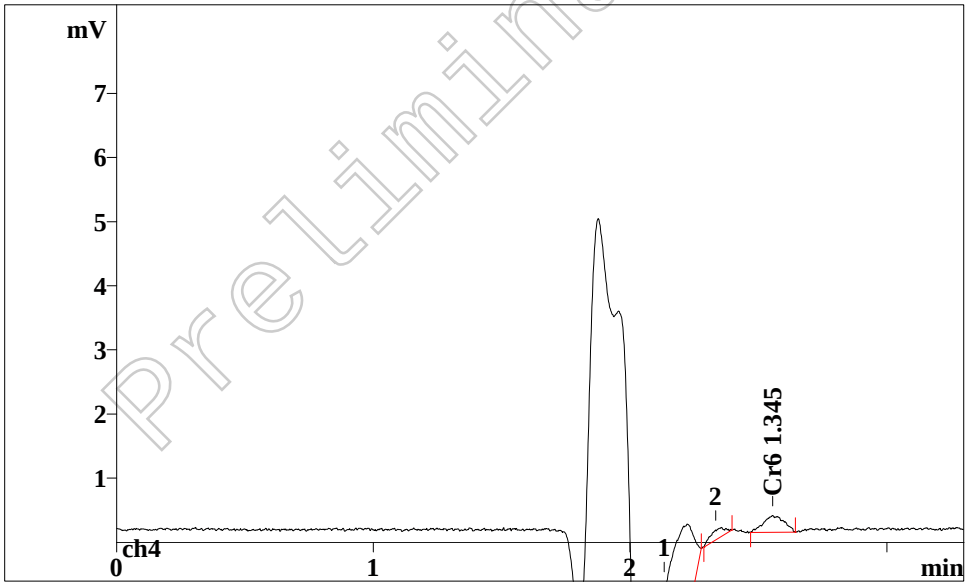
SAMPLE: 100ul loop
:
Vial number: 26
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.55;	0.092;	0.26;	9.61;	1.470;	6.43;	0.00;	0.00;	47

Report date: 11/17/2009 11:18:56 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20676/1-A@2
Analysis from: 10/27/2009 8:30:05 PM
File: ta272030.chw Last save: 11/17/2009 11:14:36 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20426

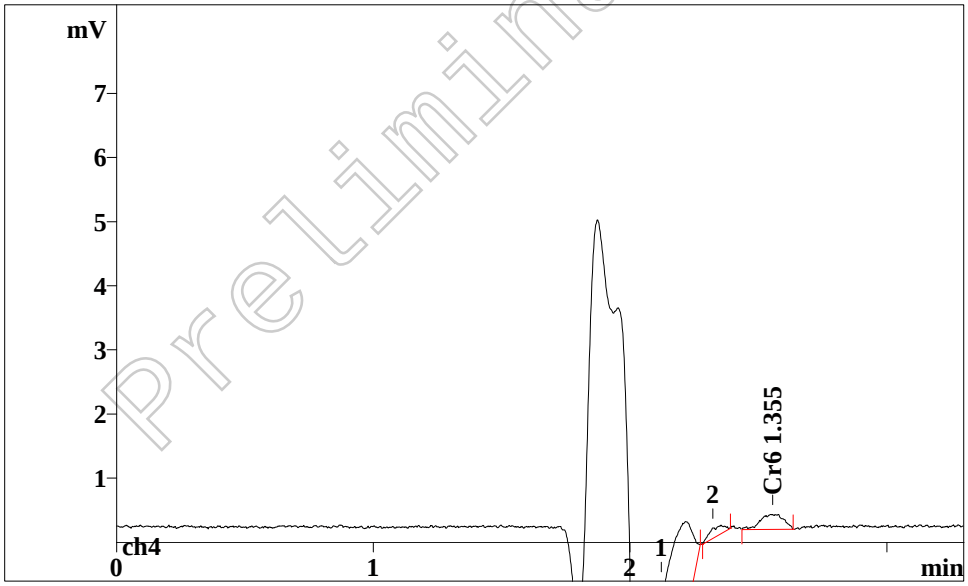
SAMPLE: 100ul loop
:
Vial number: 27
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.56;	0.108;	0.23;	8.62;	1.505;	6.66;	0.00;	0.00;	36

Report date: 11/17/2009 11:19:00 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20676/2-A@25
Analysis from: 10/27/2009 8:37:28 PM
File: ta272037.chw Last save: 11/17/2009 11:14:36 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20427

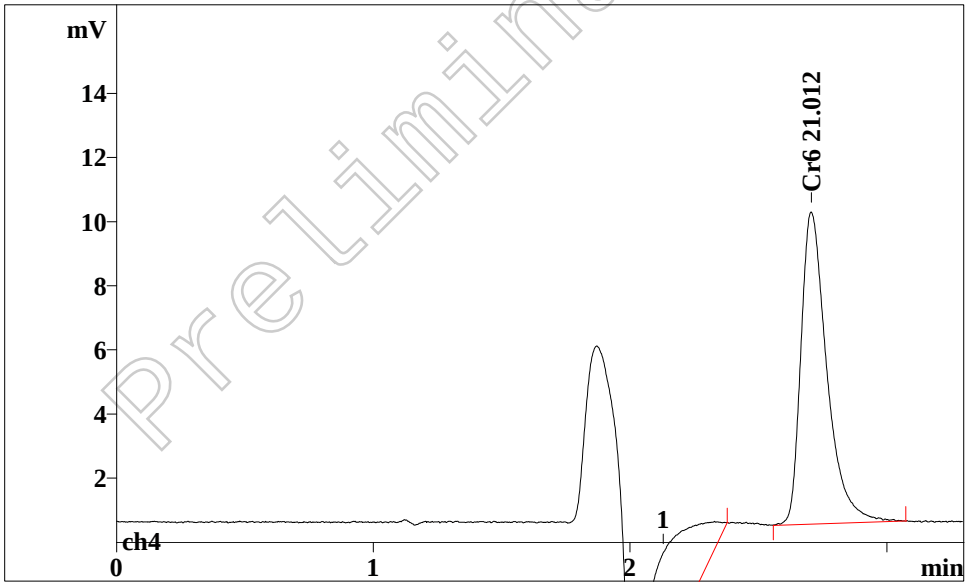
SAMPLE: 100ul loop
:
Vial number: 28
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.104;	9.73;	74.96;	68.580;	61.83;	0.00;	0.00;	33

Report date: 11/17/2009 11:19:04 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20676/2-A@25
Analysis from: 10/27/2009 8:44:52 PM
File: ta272044.chw Last save: 11/17/2009 11:14:36 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20428

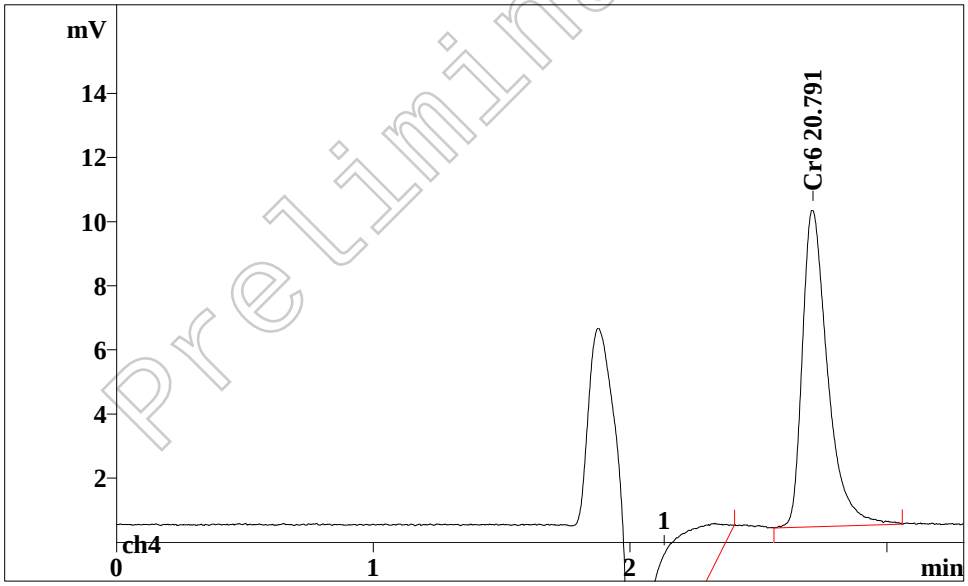
SAMPLE: 100ul loop
:
Vial number: 29
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.100;	9.89;	74.08;	67.824;	58.63;	0.00;	0.00;	35

Report date: 11/17/2009 11:19:08 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 10/27/2009 8:52:14 PM
File: ta272052.chw Last save: 11/17/2009 11:14:36 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20429

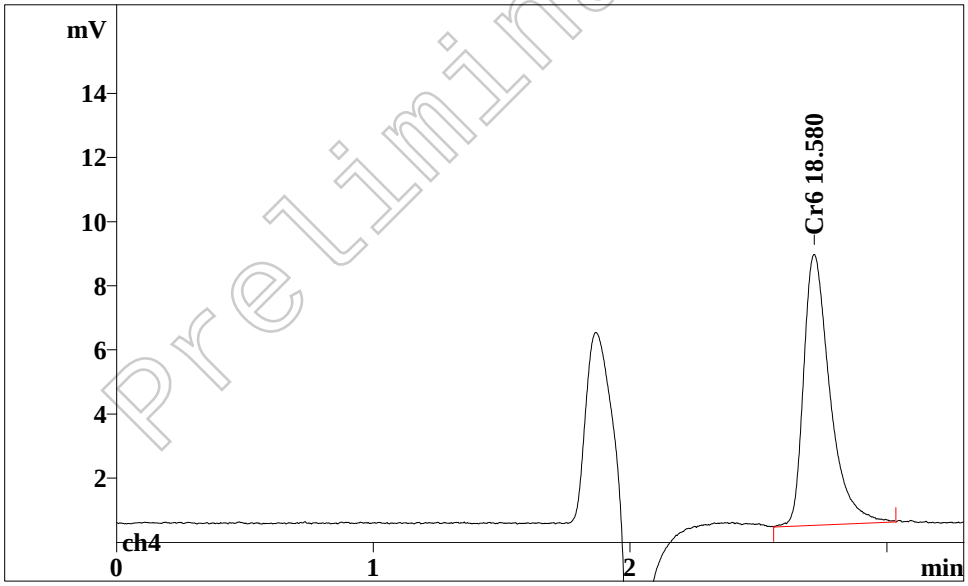
SAMPLE: 100ul loop
:
Vial number: 30
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.104;	8.46;	99.96;	60.281;	100.00;	0.00;	0.00;	32

Report date: 11/17/2009 11:19:24 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 10/27/2009 8:59:35 PM
File: ta272059.chw Last save: 11/17/2009 11:14:36 AM
Modified!
Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20430

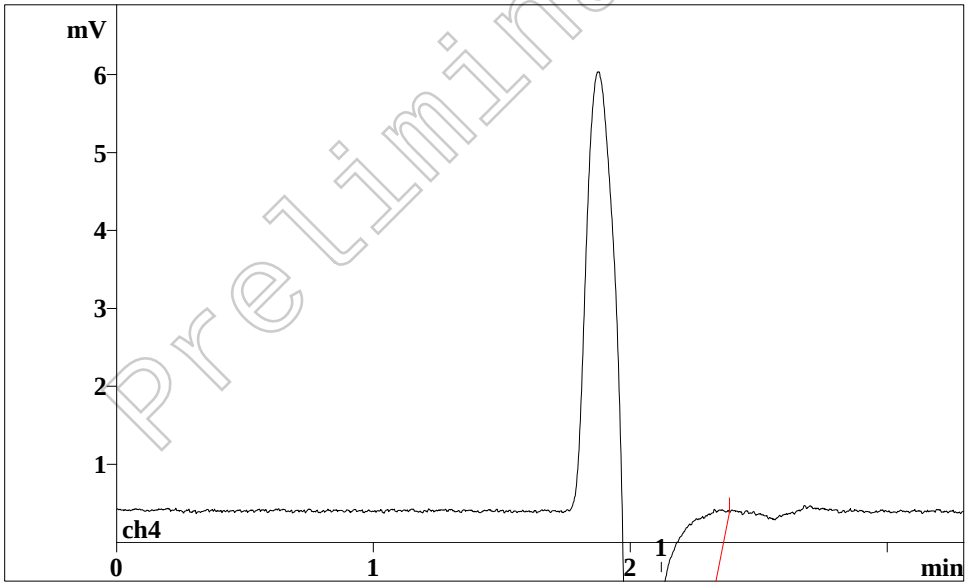
SAMPLE: 100ul loop
:
Vial number: 31
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;
1;	0.00;	0.000;	0.00;	0.00;	0.000;	0.00;	0.00;	0.00;

Report date: 11/17/2009 11:19:31 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20676/3-A@500
Analysis from: 10/27/2009 9:06:56 PM
File: ta272106.chw Last save: 11/17/2009 11:14:36 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20431

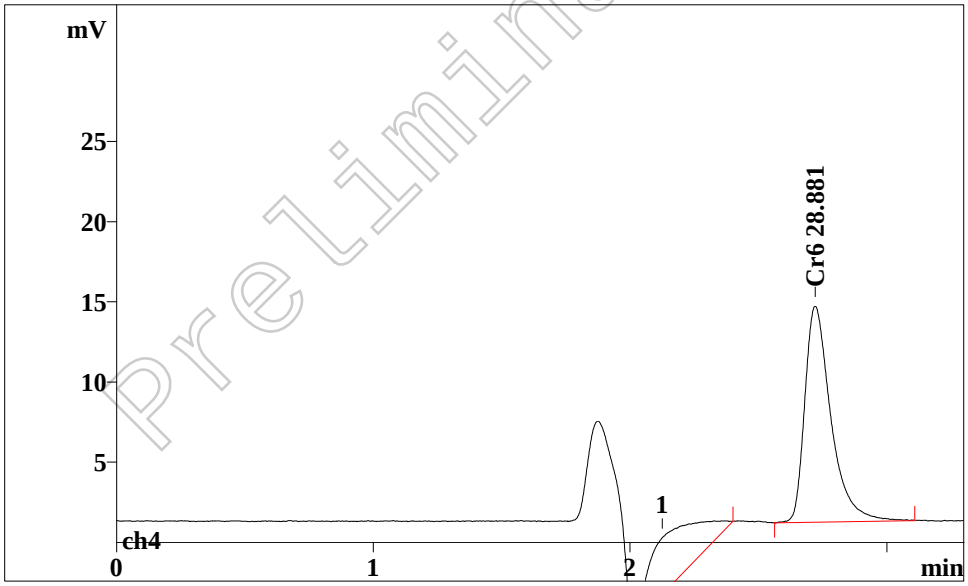
SAMPLE: 100ul loop
:
Vial number: 32
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.103;	13.48;	79.36;	95.431;	66.66;	0.00;	0.00;	33

Report date: 11/17/2009 11:19:35 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20676/3-A@500
Analysis from: 10/27/2009 9:14:17 PM
File: ta272114.chw Last save: 11/17/2009 11:14:37 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20432

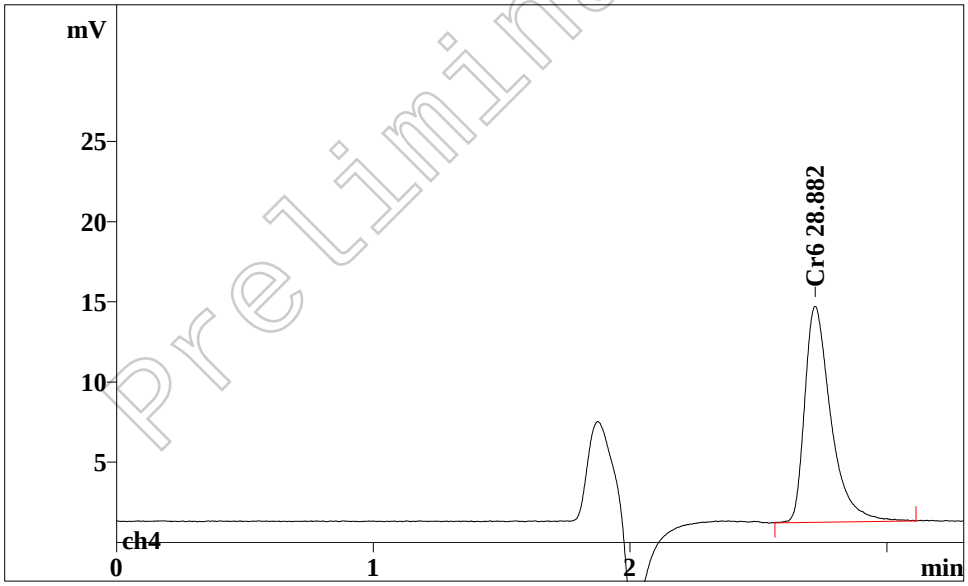
SAMPLE: 100ul loop
:
Vial number: 33
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.103;	13.48;	100.06;	95.433;	100.00;	0.00;	0.00;	33

Report date: 11/17/2009 11:19:40 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-2-A@2
Analysis from: 10/27/2009 9:21:36 PM
File: ta272121.chw Last save: 11/17/2009 11:14:37 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20433

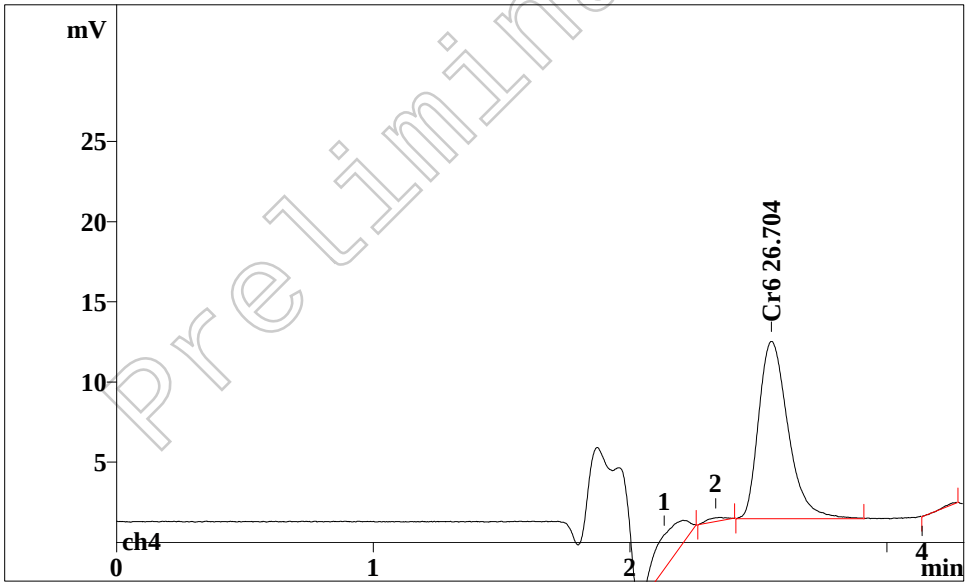
SAMPLE: 100ul loop
:
Vial number: 34
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.55;	0.121;	11.07;	82.24;	88.001;	82.08;	0.00;	3.11;	23

Report date: 11/17/2009 11:19:44 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-2-A@2
Analysis from: 10/27/2009 9:28:56 PM
File: ta272128.chw Last save: 11/17/2009 11:14:37 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20434

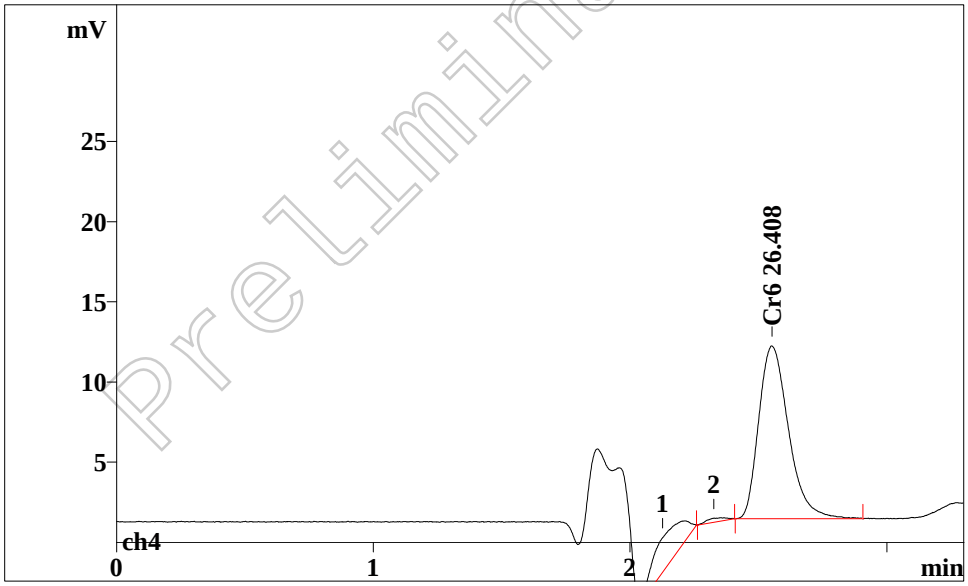
SAMPLE: 100ul loop
:
Vial number: 35
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.55;	0.124;	10.78;	81.69;	86.991;	81.91;	0.00;	0.00;	22

Report date: 11/17/2009 11:19:48 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-2-B DU@2
Analysis from: 10/27/2009 9:36:14 PM
File: ta272136.chw Last save: 11/17/2009 11:14:37 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20435

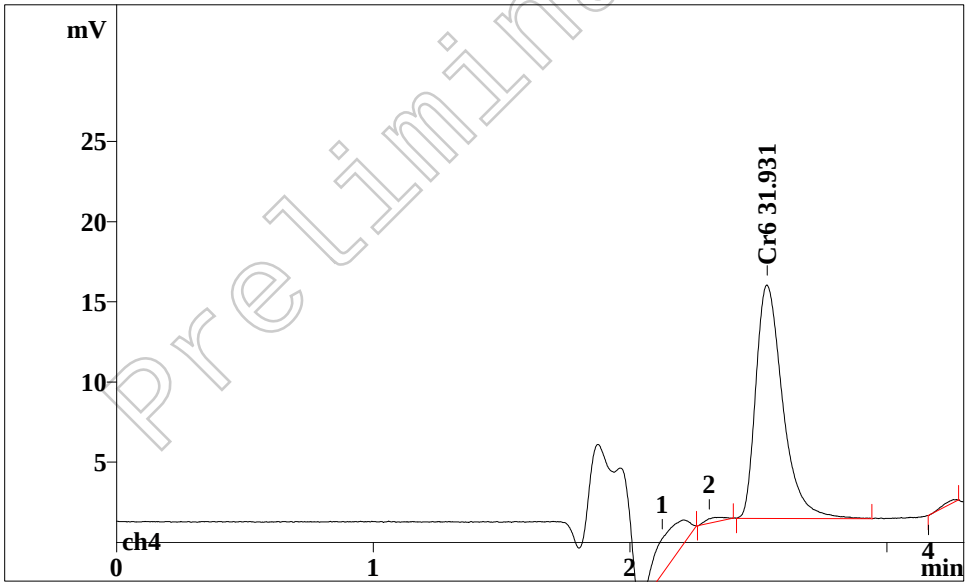
SAMPLE: 100ul loop
:
Vial number: 36
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.53;	0.109;	14.56;	85.28;	105.837;	83.89;	0.00;	3.27;	27

Report date: 11/17/2009 11:19:51 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-2-B DU@2
Analysis from: 10/27/2009 9:43:31 PM
File: ta272143.chw Last save: 11/17/2009 11:14:37 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20436

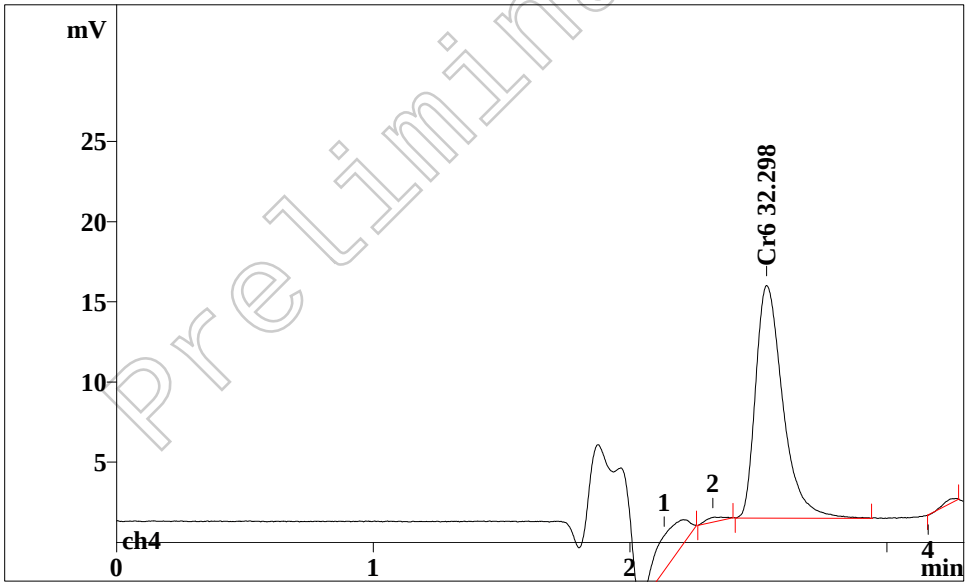
SAMPLE: 100ul loop
:
Vial number: 37
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.53;	0.110;	14.51;	85.29;	107.089;	84.00;	0.00;	3.33;	26

Report date: 11/17/2009 11:19:57 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-2-C MS@40
Analysis from: 10/27/2009 9:50:49 PM
File: ta272150.chw Last save: 11/17/2009 11:14:37 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20437

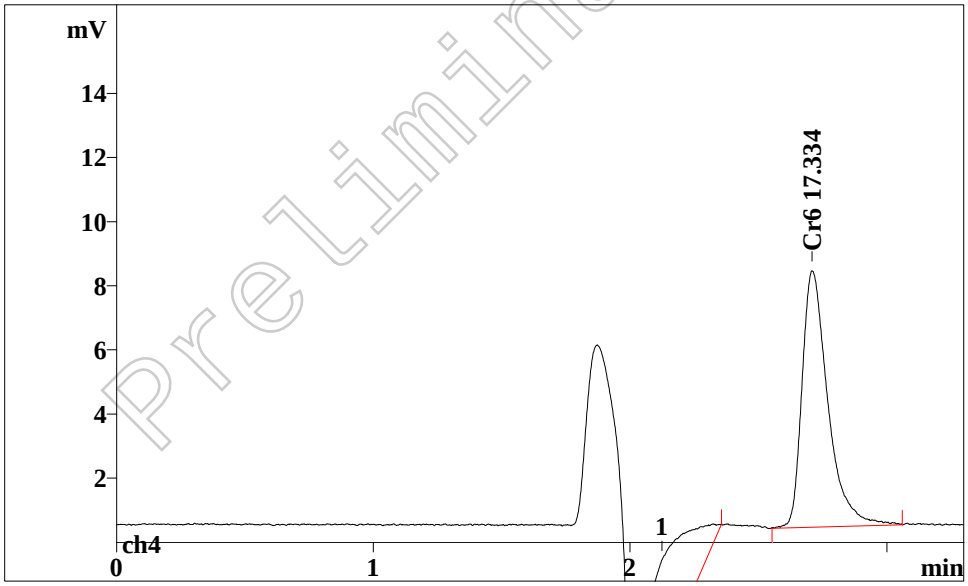
SAMPLE: 100ul loop
:
Vial number: 38
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.102;	8.00;	71.60;	56.029;	59.55;	0.00;	0.00;	33

Report date: 11/17/2009 11:20:02 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-2-C MS@40
Analysis from: 10/27/2009 9:58:06 PM
File: ta272158.chw Last save: 11/17/2009 11:14:37 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20438

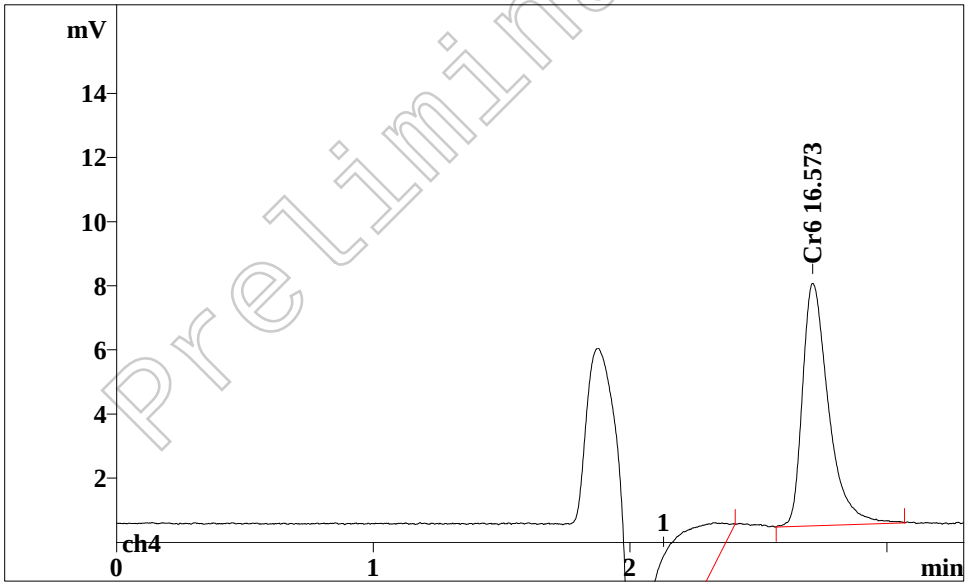
SAMPLE: 100ul loop
:
Vial number: 39
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.104;	7.56;	68.89;	53.433;	52.72;	0.00;	0.00;	33

Report date: 11/17/2009 11:20:06 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-2-D MSI@500
Analysis from: 10/27/2009 10:05:22 PM
File: ta272205.chw Last save: 11/17/2009 11:14:37 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20439

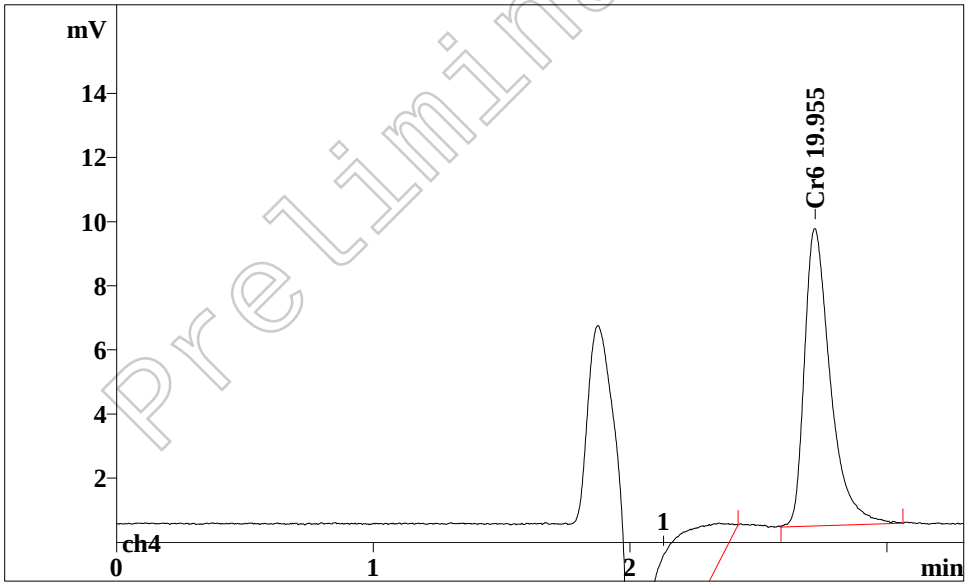
SAMPLE: 100ul loop
:
Vial number: 40
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.103;	9.28;	72.05;	64.972;	55.69;	0.00;	0.00;	34

Report date: 11/17/2009 11:20:10 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-2-D MSI@500
Analysis from: 10/27/2009 10:12:37 PM
File: ta272212.chw Last save: 11/17/2009 11:14:37 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20440

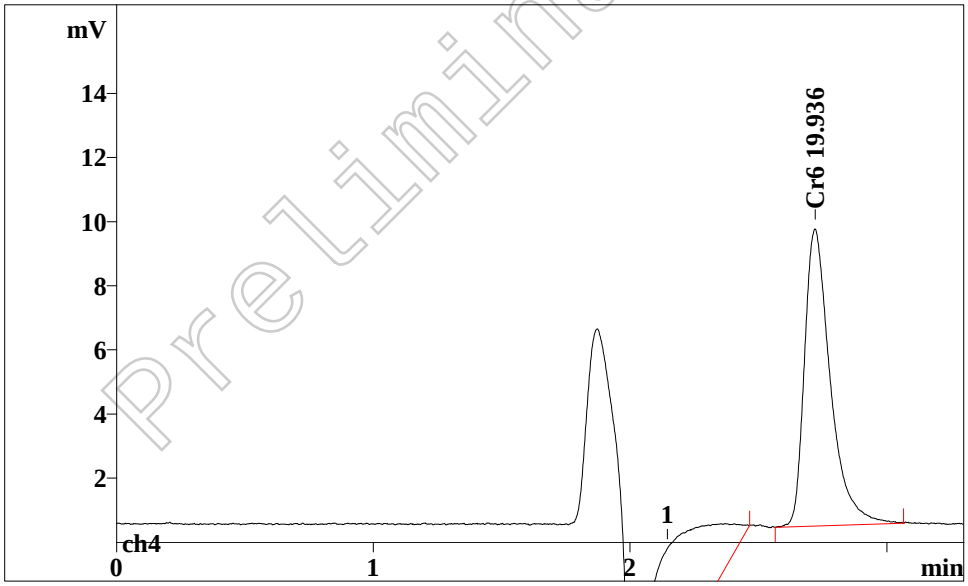
SAMPLE: 100ul loop
:
Vial number: 41
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.103;	9.27;	71.11;	64.907;	51.86;	0.00;	0.00;	34

Report date: 11/17/2009 11:20:16 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 10/27/2009 10:19:51 PM
File: ta272219.chw Last save: 11/17/2009 11:14:37 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20441

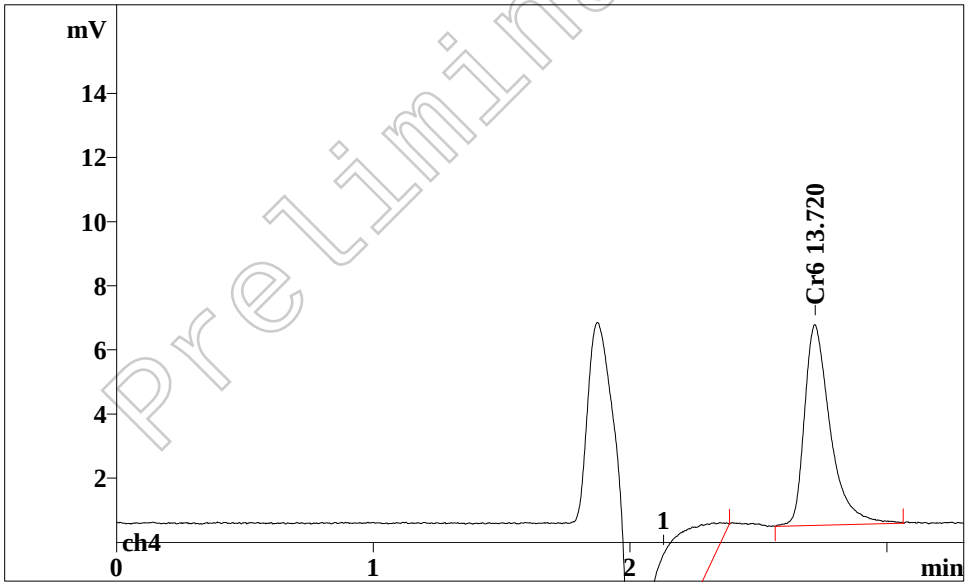
SAMPLE: 100ul loop
:
Vial number: 42
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.101;	6.26;	64.74;	43.696;	49.17;	0.00;	0.00;	34

Report date: 11/17/2009 11:20:21 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 10/27/2009 10:27:06 PM
File: ta272227.chw Last save: 11/17/2009 11:14:37 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20442

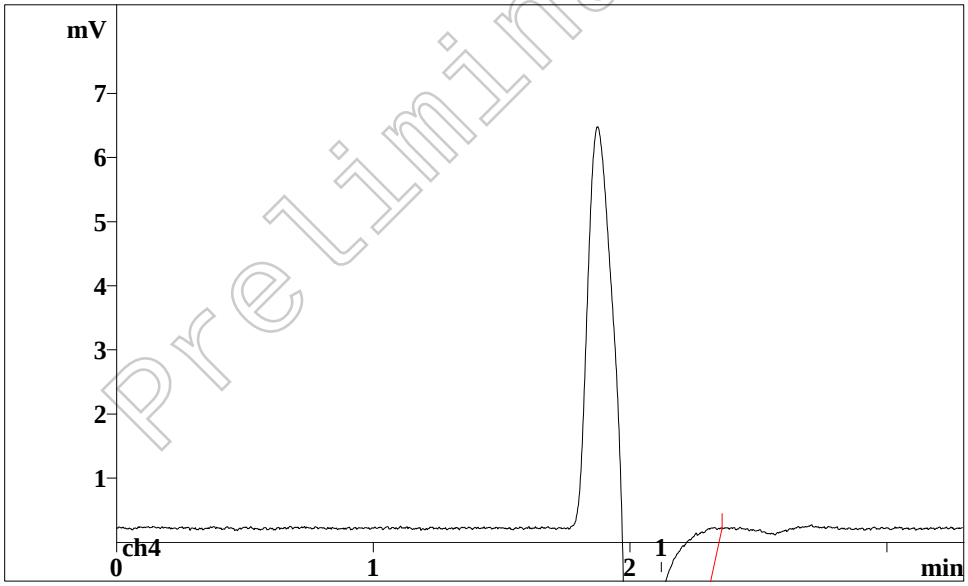
SAMPLE: 100ul loop
:
Vial number: 43
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;
1;	0.00;	0.000;	0.00;	0.00;	0.000;	0.00;	0.00;	0.00;

Report date: 11/17/2009 11:20:25 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-3-A@2
Analysis from: 10/27/2009 10:34:19 PM
File: ta272234.chw Last save: 11/17/2009 11:14:37 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20443

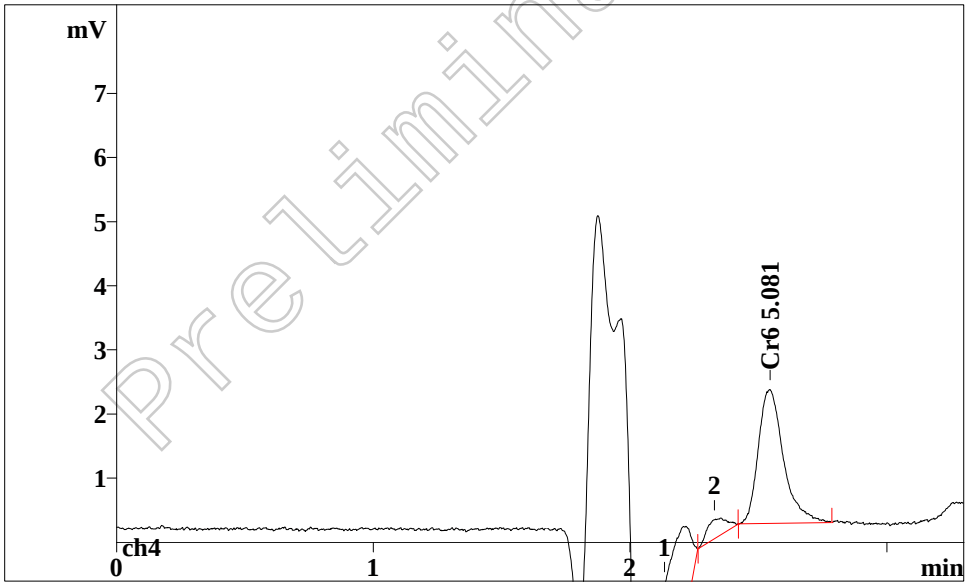
SAMPLE: 100ul loop
:
Vial number: 44
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.54;	0.100;	2.08;	44.95;	14.218;	40.79;	0.00;	0.00;	31

Report date: 11/17/2009 11:20:29 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-3-A@2
Analysis from: 10/27/2009 10:41:34 PM
File: ta272241.chw Last save: 11/17/2009 11:14:37 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20444

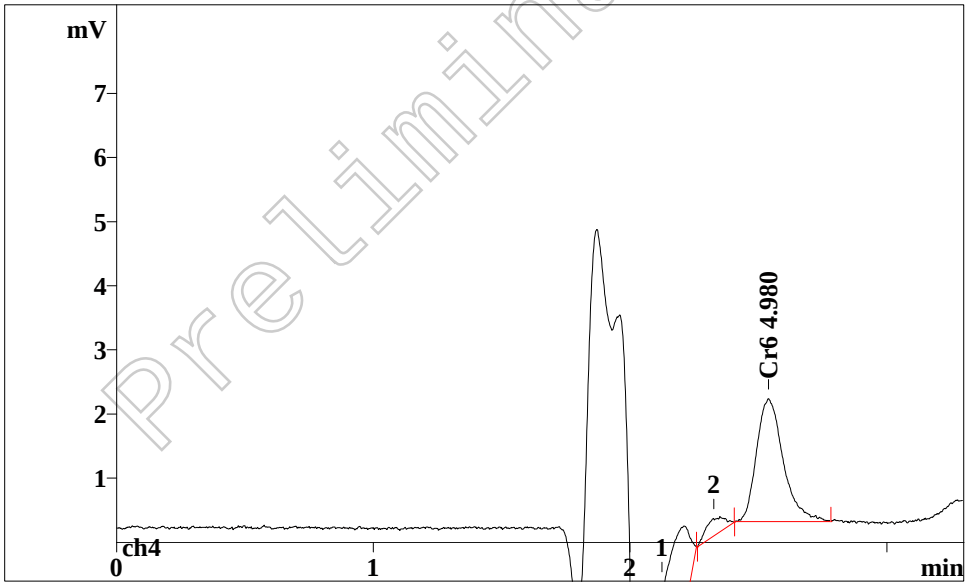
SAMPLE: 100ul loop
:
Vial number: 45
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.54;	0.109;	1.91;	43.40;	13.873;	40.99;	0.00;	0.00;	27

Report date: 11/17/2009 11:20:34 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-4-A@2
Analysis from: 10/27/2009 10:48:48 PM
File: ta272248.chw Last save: 11/17/2009 11:14:38 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20445

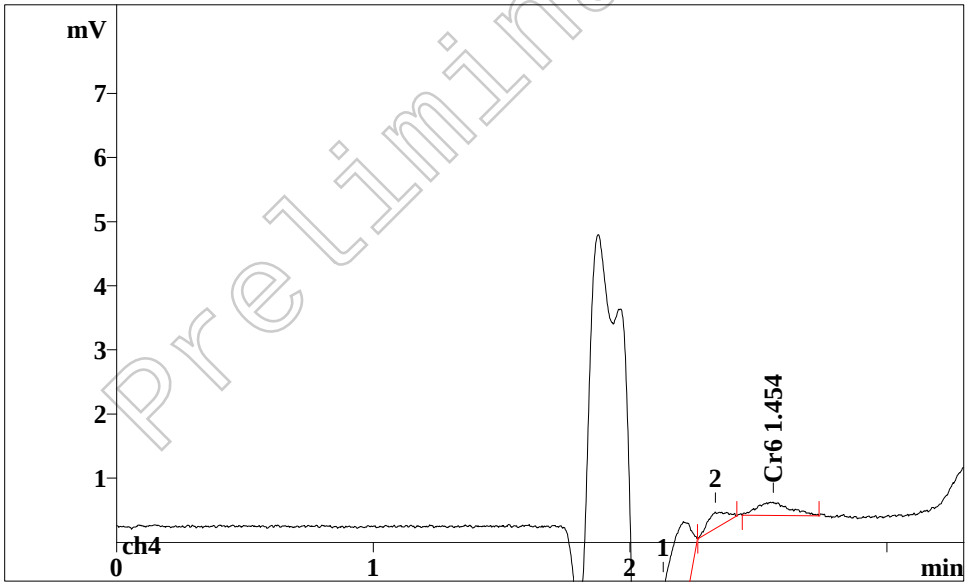
SAMPLE: 100ul loop
:
Vial number: 46
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.55;	0.136;	0.20;	7.75;	1.844;	8.69;	0.00;	0.00;	19

Report date: 11/17/2009 11:20:39 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-4-A@2
Analysis from: 10/27/2009 10:56:03 PM
File: ta272256.chw Last save: 11/17/2009 11:14:38 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20446

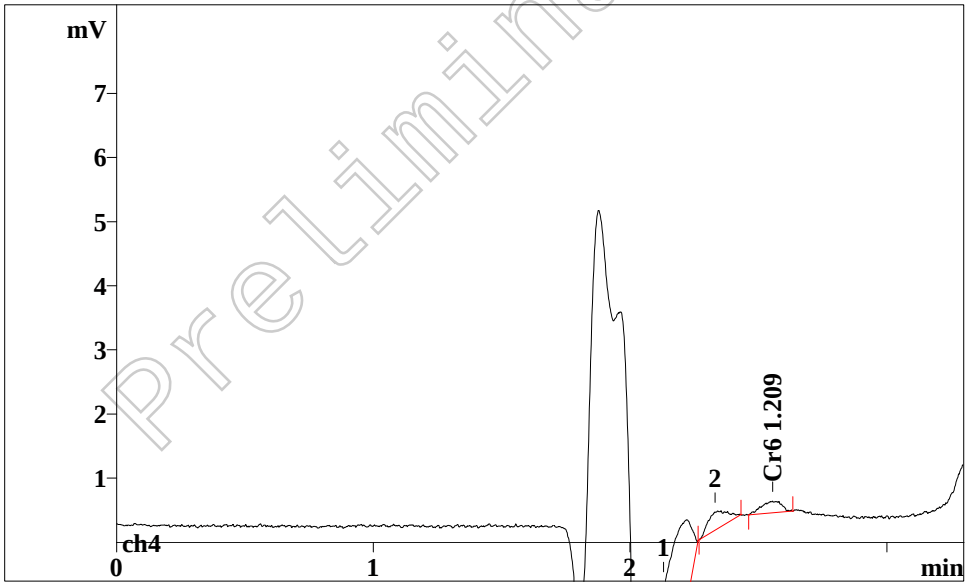
SAMPLE: 100ul loop
:
Vial number: 47
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.55;	0.097;	0.18;	6.65;	1.007;	4.71;	0.00;	0.00;	48

Report date: 11/17/2009 11:20:42 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-2-A PDS@40
Analysis from: 10/27/2009 11:03:18 PM
File: ta272303.chw Last save: 11/17/2009 11:14:38 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20447

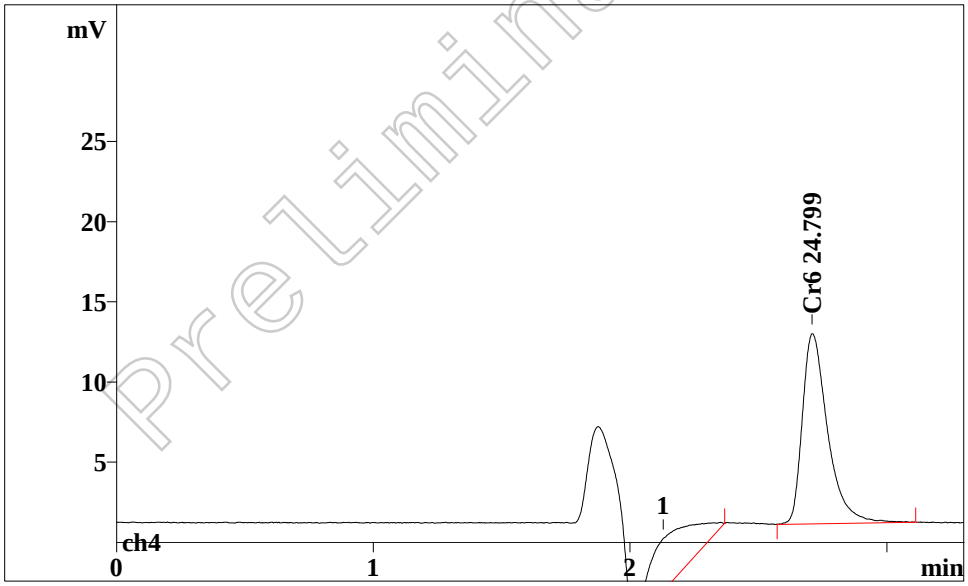
SAMPLE: 100ul loop
:
Vial number: 48
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.100;	11.87;	78.44;	81.501;	66.73;	0.00;	0.00;	35

Report date: 11/17/2009 11:20:45 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-2-A PDS@40
Analysis from: 10/27/2009 11:10:34 PM
File: ta272310.chw Last save: 11/17/2009 11:14:38 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20448

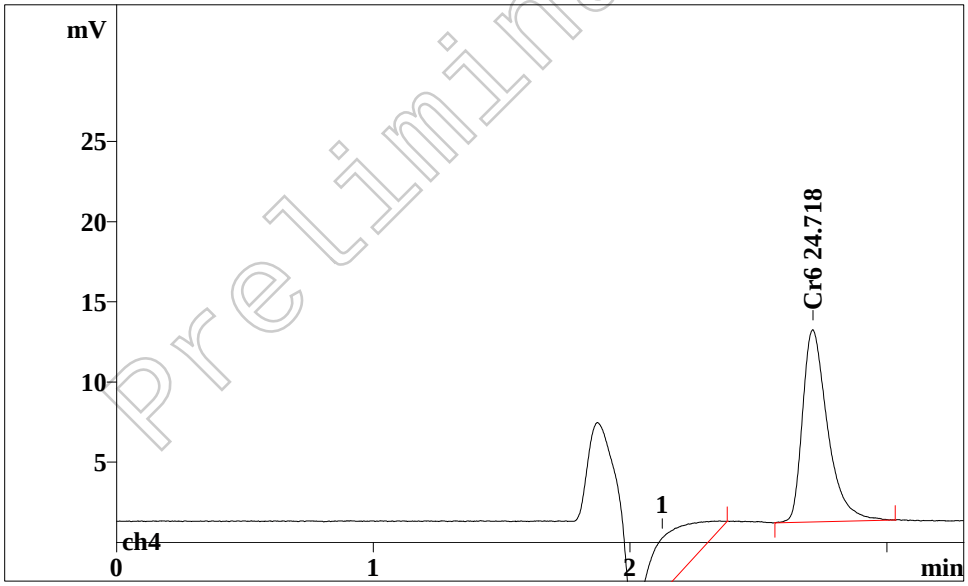
SAMPLE: 100ul loop
:
Vial number: 49
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.100;	11.98;	77.96;	81.227;	65.13;	0.00;	0.00;	36

Report date: 11/17/2009 11:20:49 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20678/1-A@2
Analysis from: 10/27/2009 11:17:50 PM
File: ta272317.chw Last save: 11/17/2009 11:14:38 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20449

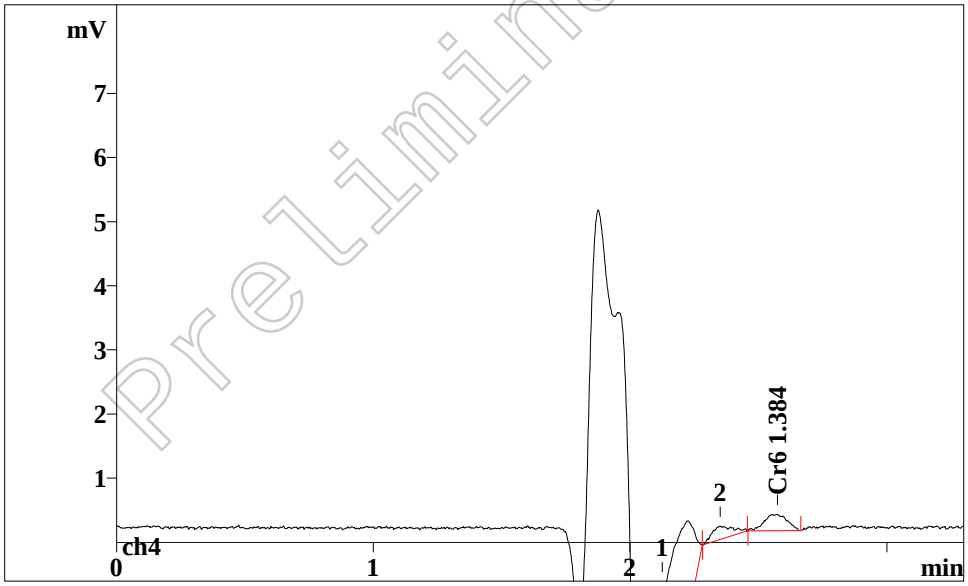
SAMPLE: 100ul loop
:
Vial number: 50
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.57;	0.104;	0.26;	9.19;	1.602;	6.58;	0.00;	0.00;	39

Report date: 11/17/2009 11:20:53 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20678/1-A@2
Analysis from: 10/27/2009 11:25:08 PM
File: ta272325.chw Last save: 11/17/2009 11:14:38 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20450

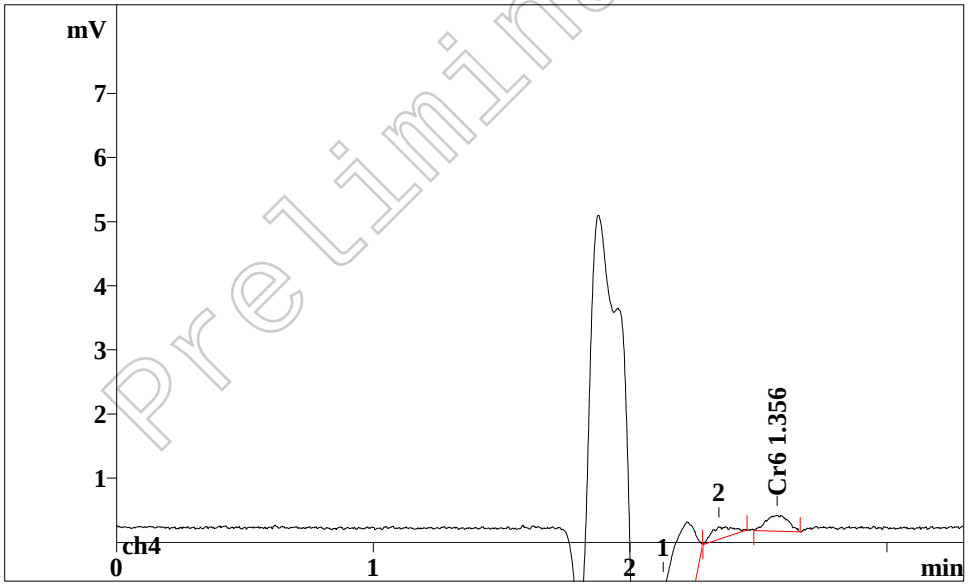
SAMPLE: 100ul loop
:
Vial number: 51
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.57;	0.104;	0.25;	8.77;	1.509;	6.11;	0.00;	0.00;	40

Report date: 11/17/2009 11:20:57 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20678/2-A@25
Analysis from: 10/27/2009 11:32:25 PM
File: ta272332.chw Last save: 11/17/2009 11:14:38 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20451

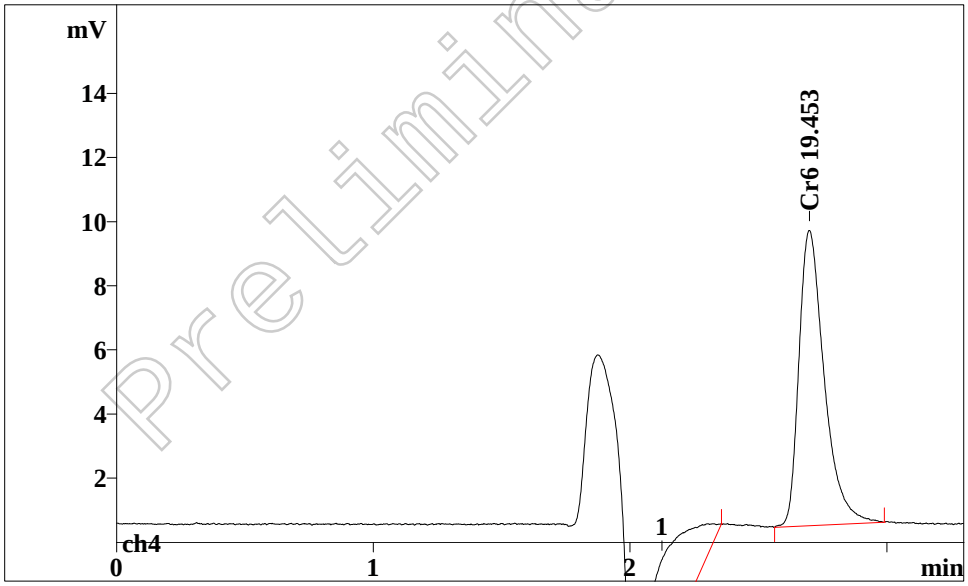
SAMPLE: 100ul loop
:
Vial number: 52
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.102;	9.21;	75.09;	63.260;	63.17;	0.00;	0.00;	34

Report date: 11/17/2009 11:21:00 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20678/2-A@25
Analysis from: 10/27/2009 11:39:44 PM
File: ta272339.chw Last save: 11/17/2009 11:14:38 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20452

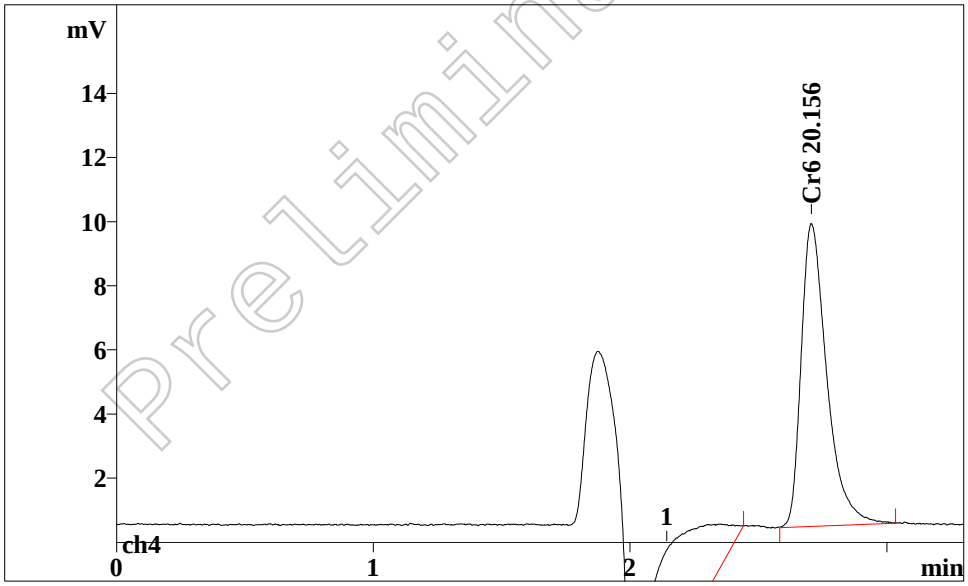
SAMPLE: 100ul loop
:
Vial number: 53
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.103;	9.44;	72.74;	65.657;	55.07;	0.00;	0.00;	34

Report date: 11/17/2009 11:21:06 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 10/27/2009 11:47:03 PM
File: ta272347.chw Last save: 11/17/2009 11:14:38 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20453

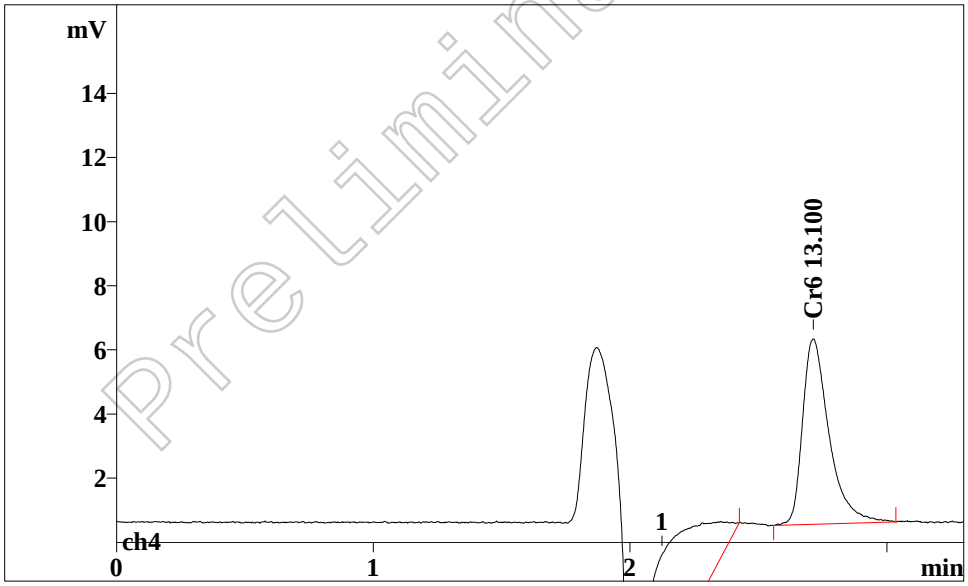
SAMPLE: 100ul loop
:
Vial number: 54
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.105;	5.78;	61.90;	41.582;	44.16;	0.00;	0.00;	32

Report date: 11/17/2009 11:21:11 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 10/27/2009 11:54:23 PM
File: ta272354.chw Last save: 11/17/2009 11:14:38 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20454

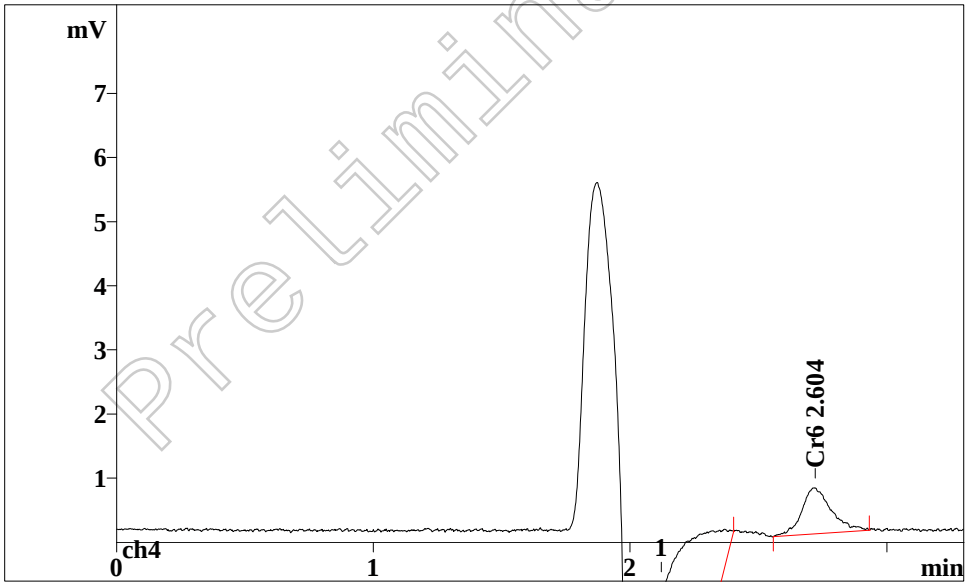
SAMPLE: 100ul loop
:
Vial number: 55
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.113;	0.72;	17.21;	5.766;	10.66;	0.00;	0.00;	26

Report date: 11/17/2009 11:21:18 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20678/3-A@500
Analysis from: 10/28/2009 12:01:43 AM
File: ta280001.chw Last save: 11/17/2009 11:14:38 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20455

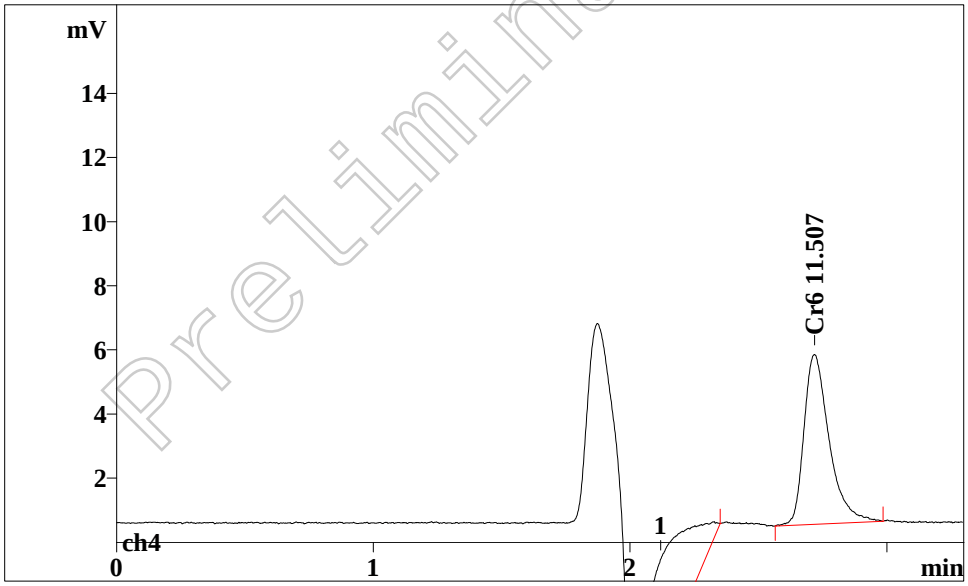
SAMPLE: 100ul loop
:
Vial number: 56
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.101;	5.30;	61.85;	36.147;	48.04;	0.00;	0.00;	35

Report date: 11/17/2009 11:21:36 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20678/3-A@500
Analysis from: 10/28/2009 12:09:05 AM
File: ta280009.chw Last save: 11/17/2009 11:14:38 AM
Modified!
Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20456

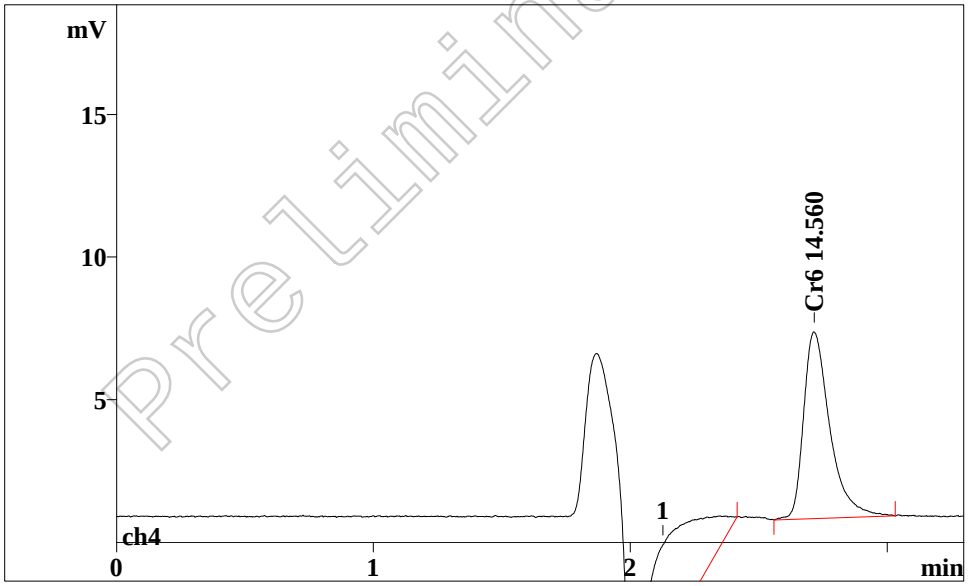
SAMPLE: 100ul loop
:
Vial number: 57
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.104;	6.54;	64.82;	46.564;	47.79;	0.00;	0.00;	33

Report date: 11/17/2009 11:21:45 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-5-A@2
Analysis from: 10/28/2009 12:16:28 AM
File: ta280016.chw Last save: 11/17/2009 11:14:39 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20457

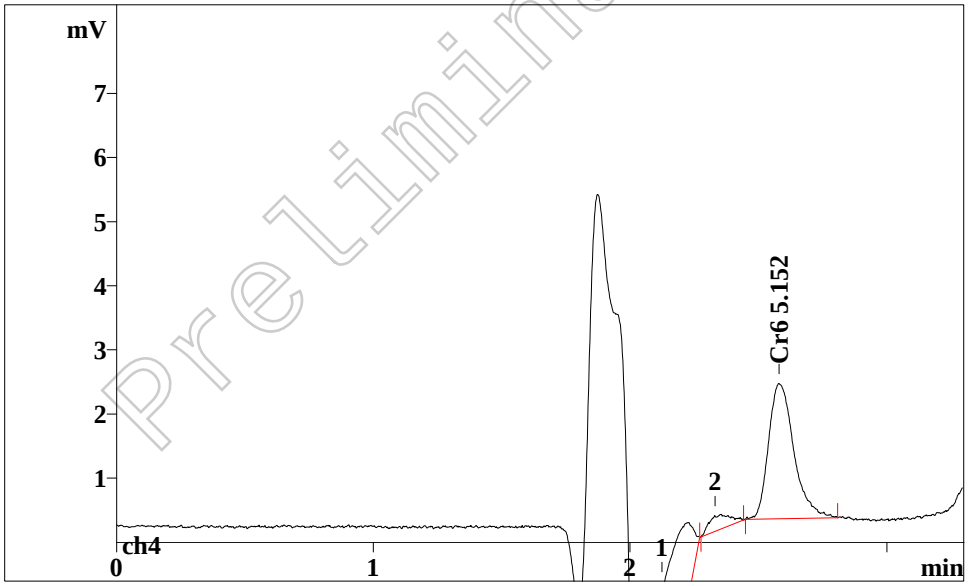
SAMPLE: 100ul loop
:
Vial number: 58
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.58;	0.102;	2.11;	45.54;	14.461;	40.08;	0.00;	0.00;	32

Report date: 11/17/2009 11:21:49 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-5-A@2
Analysis from: 10/28/2009 12:23:51 AM
File: ta280023.chw Last save: 11/17/2009 11:14:39 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20458

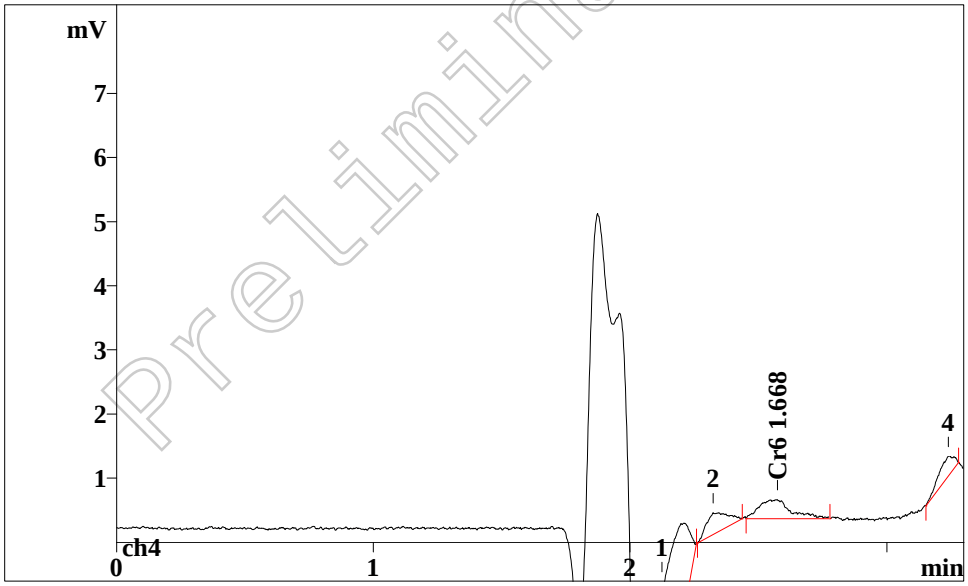
SAMPLE: 100ul loop
:
Vial number: 59
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.57;	0.123;	0.29;	9.27;	2.571;	10.51;	0.00;	3.99;	19

Report date: 11/17/2009 11:21:54 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-5-B DU@2
Analysis from: 10/28/2009 12:31:14 AM
File: ta280031.chw Last save: 11/17/2009 11:14:39 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20459

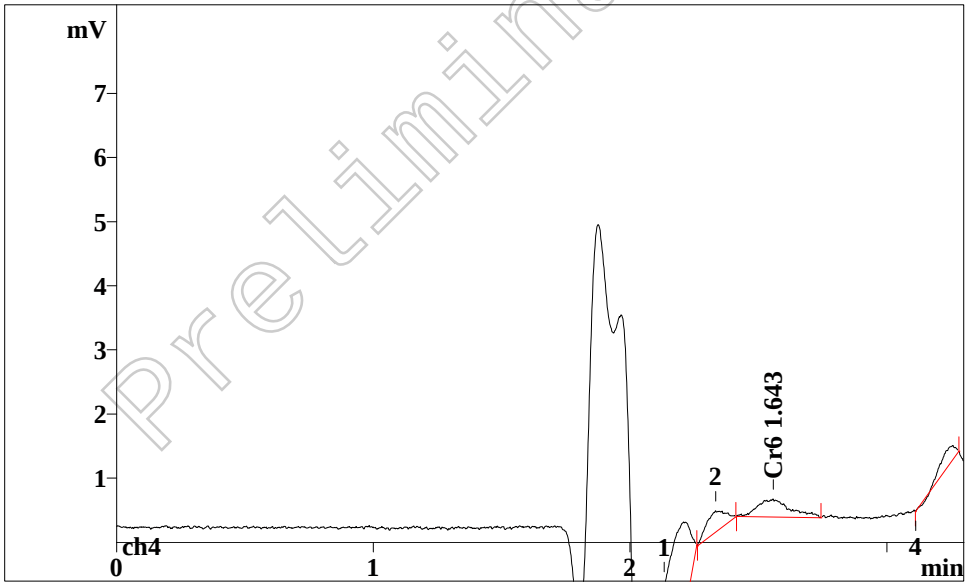
SAMPLE: 100ul loop
:
Vial number: 60
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.55;	0.123;	0.27;	9.57;	2.485;	10.57;	0.00;	2.50;	19

Report date: 11/17/2009 11:21:58 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-5-B DU@2
Analysis from: 10/28/2009 12:38:38 AM
File: ta280038.chw Last save: 11/17/2009 11:14:39 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20460

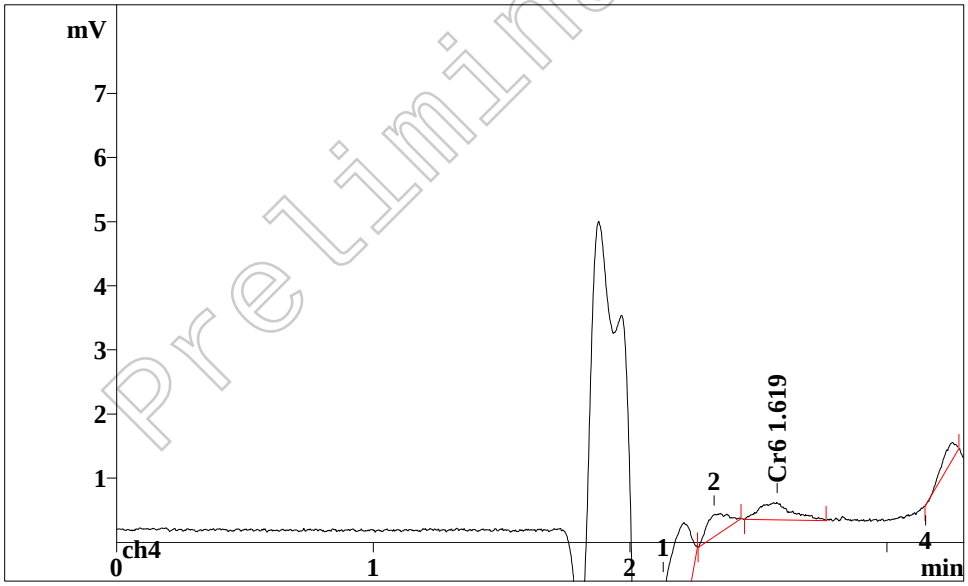
SAMPLE: 100ul loop
:
Vial number: 61
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.57;	0.118;	0.26;	9.19;	2.404;	10.02;	0.00;	2.62;	19

Report date: 11/17/2009 11:22:14 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-5-C MS@40
Analysis from: 10/28/2009 12:46:02 AM
File: ta280046.chw Last save: 11/17/2009 11:14:39 AM
Modified!
Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20461

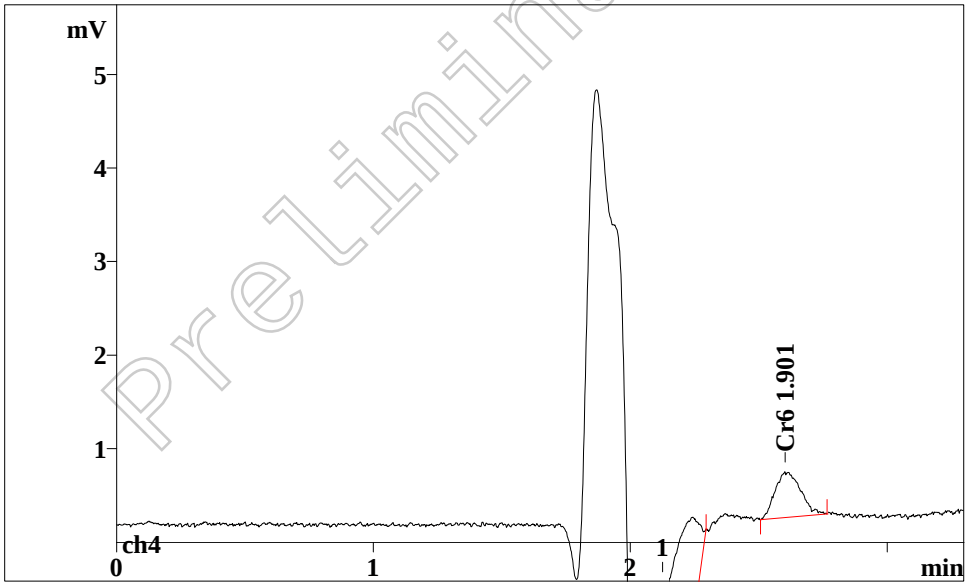
SAMPLE: 100ul loop
:
Vial number: 62
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.60;	0.118;	0.47;	15.98;	3.368;	12.16;	0.00;	0.00;	32

Report date: 11/17/2009 11:22:24 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-5-C MS@40
Analysis from: 10/28/2009 12:53:26 AM
File: ta280053.chw Last save: 11/17/2009 11:14:39 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20462

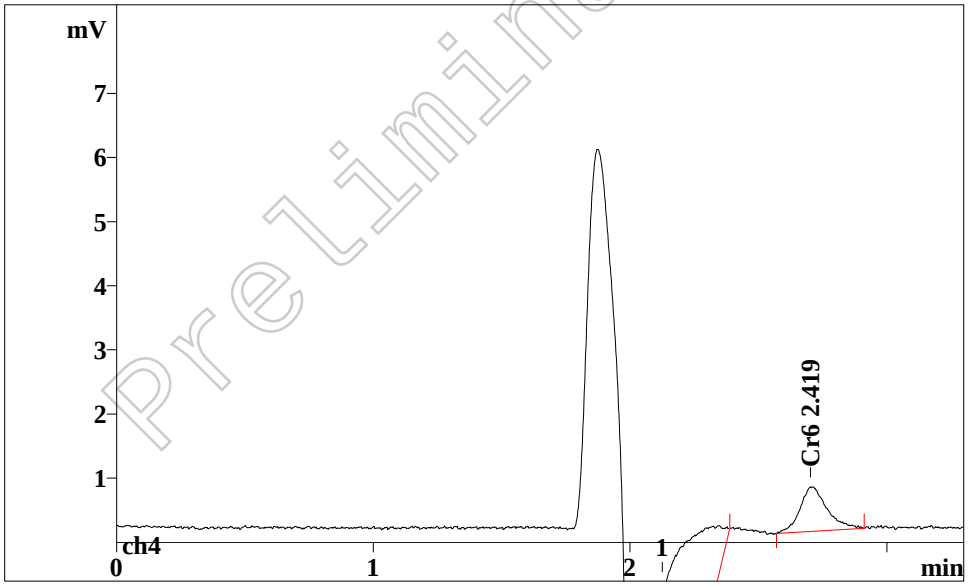
SAMPLE: 100ul loop
:
Vial number: 63
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.106;	0.69;	17.04;	5.135;	10.32;	0.00;	0.00;	30

Report date: 11/17/2009 11:22:28 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-5-D MSI@500
Analysis from: 10/28/2009 1:00:50 AM
File: ta280100.chw Last save: 11/17/2009 11:14:39 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20463

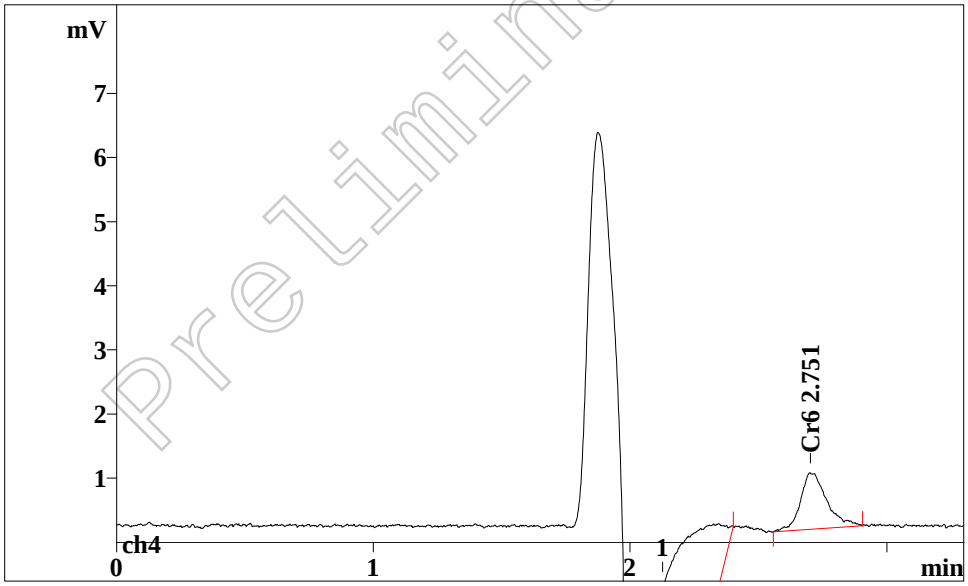
SAMPLE: 100ul loop
:
Vial number: 64
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.103;	0.88;	19.91;	6.268;	11.44;	0.00;	0.00;	32

Report date: 11/17/2009 11:22:32 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-5-D MSI@500
Analysis from: 10/28/2009 1:08:14 AM
File: ta280108.chw Last save: 11/17/2009 11:14:39 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20464

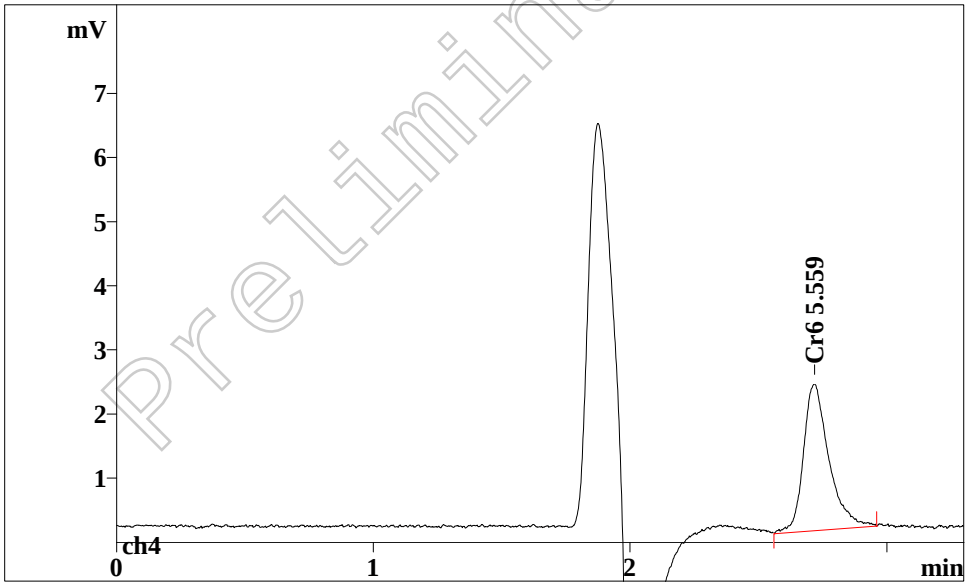
SAMPLE: 100ul loop
:
Vial number: 65
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.3 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.099;	2.29;	100.01;	15.850;	100.00;	0.00;	0.00;	34

Report date: 11/17/2009 11:22:37 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 10/28/2009 1:15:38 AM
File: ta280115.chw Last save: 11/17/2009 11:14:40 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20465

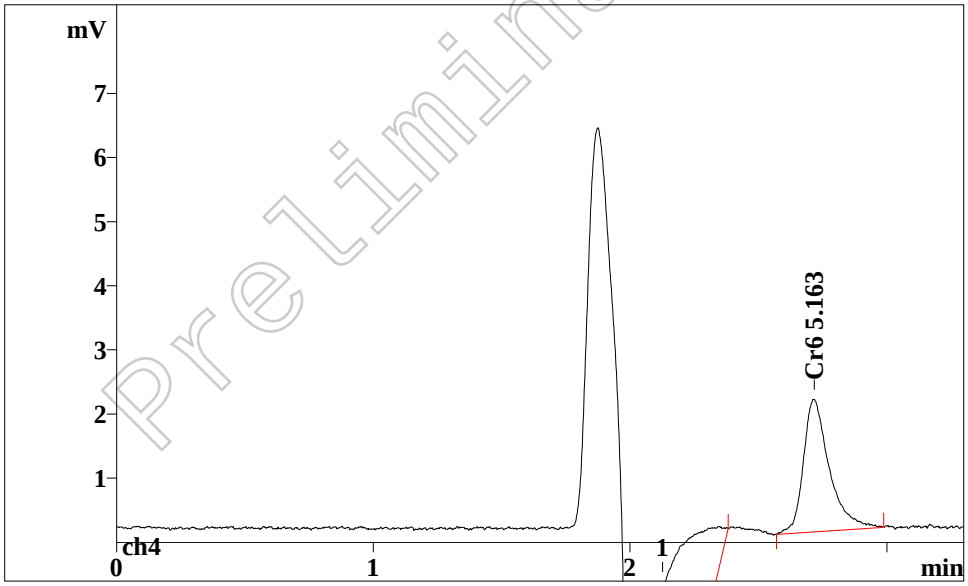
SAMPLE: 100ul loop
:
Vial number: 66
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.100;	2.07;	37.92;	14.498;	24.65;	0.00;	0.00;	34

Report date: 11/17/2009 11:22:41 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 10/28/2009 1:23:02 AM
File: ta280123.chw Last save: 11/17/2009 11:14:40 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20466

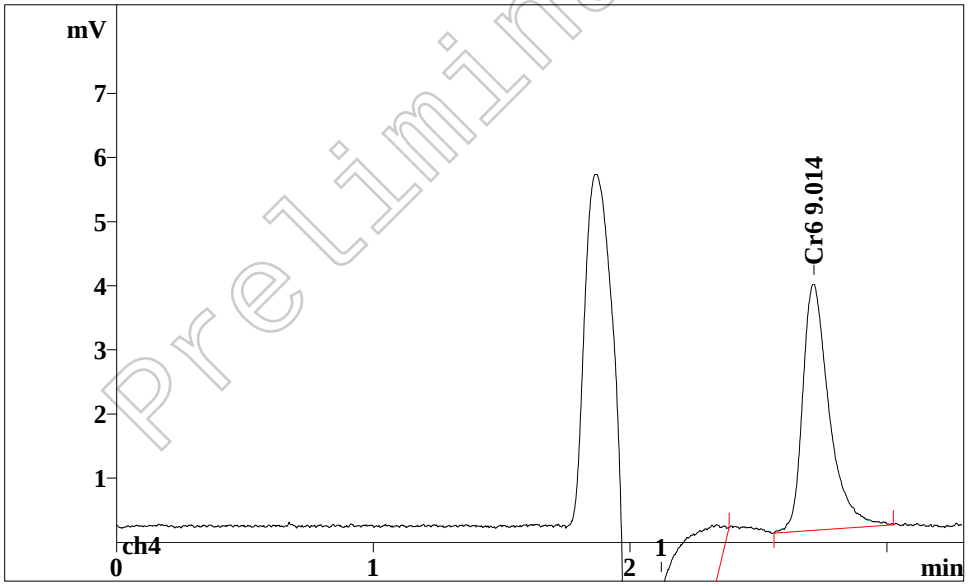
SAMPLE: 100ul loop
:
Vial number: 67
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.104;	3.85;	53.31;	27.640;	37.91;	0.00;	0.00;	32

Report date: 11/17/2009 11:22:45 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-5-A PDS@40
Analysis from: 10/28/2009 1:30:26 AM
File: ta280130.chw Last save: 11/17/2009 11:14:40 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20467

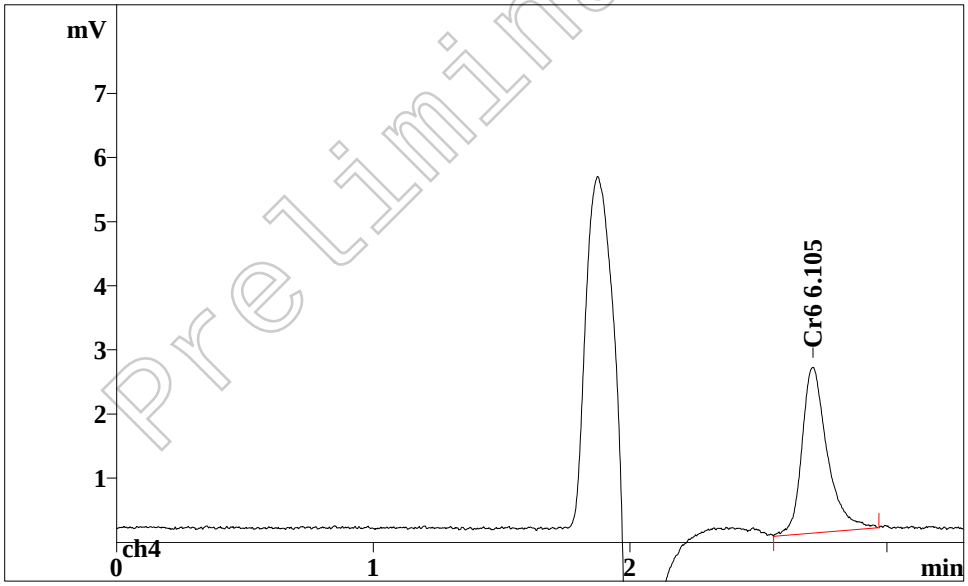
SAMPLE: 100ul loop
:
Vial number: 68
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.098;	2.59;	99.90;	17.714;	100.00;	0.00;	0.00;	35

Report date: 11/17/2009 11:22:49 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-5-A PDS@40
Analysis from: 10/28/2009 1:37:50 AM
File: ta280137.chw Last save: 11/17/2009 11:14:40 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20468

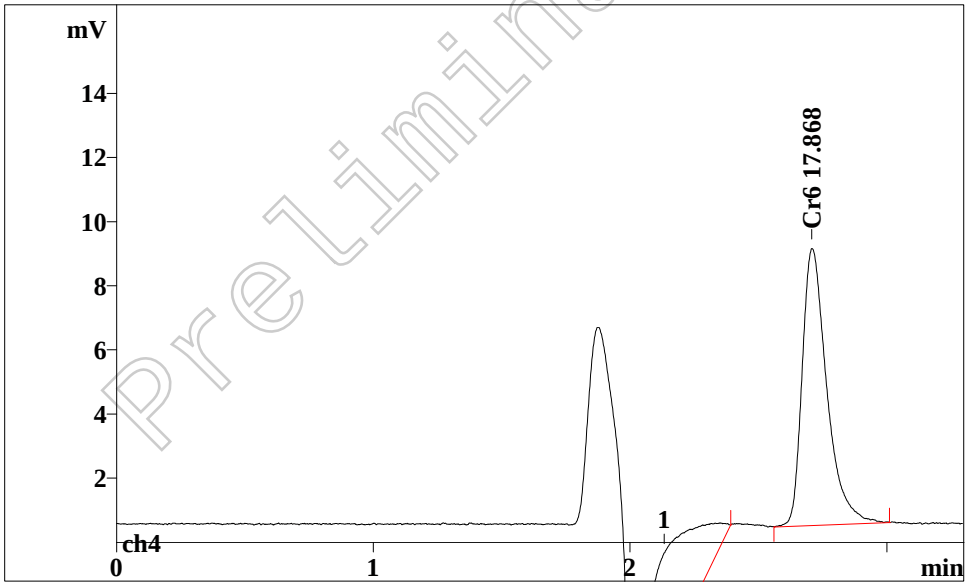
SAMPLE: 100ul loop
:
Vial number: 69
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.099;	8.64;	71.72;	57.852;	56.15;	0.00;	0.00;	37

Report date: 11/17/2009 11:22:53 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20679/1-A@2
Analysis from: 10/28/2009 1:45:12 AM
File: ta280145.chw Last save: 11/17/2009 11:14:40 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20469

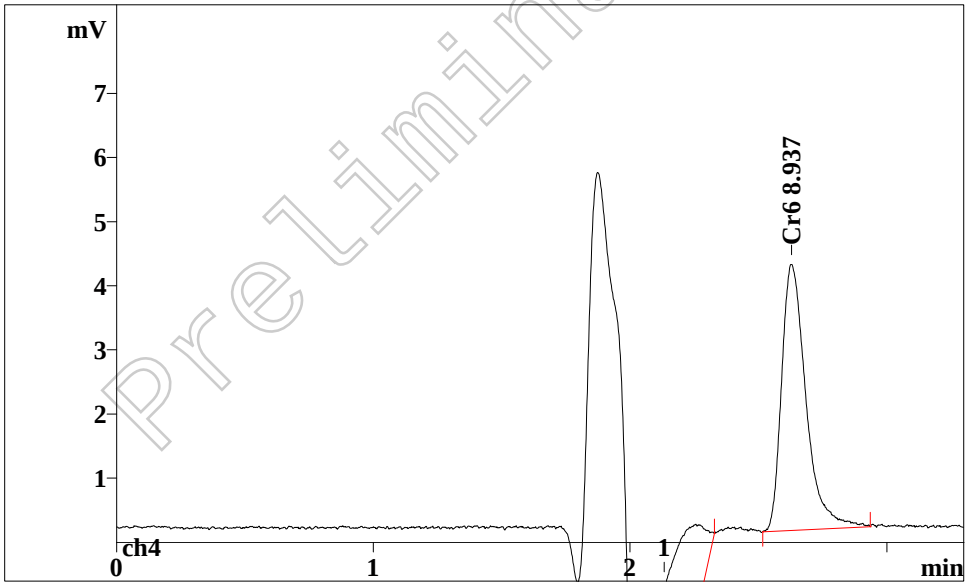
SAMPLE: 100ul loop
:
Vial number: 70
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.63;	0.097;	4.15;	60.53;	27.376;	47.28;	0.00;	0.00;	35

Report date: 11/17/2009 11:22:58 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20679/1-A@2
Analysis from: 10/28/2009 1:52:35 AM
File: ta280152.chw Last save: 11/17/2009 11:14:40 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20470

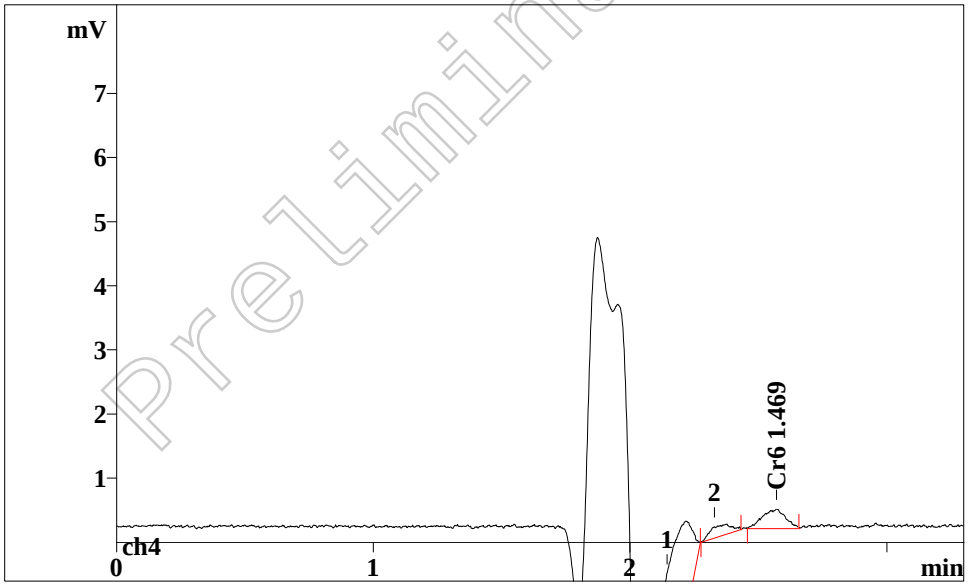
SAMPLE: 100ul loop
:
Vial number: 71
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.57;	0.100;	0.30;	11.18;	1.893;	8.23;	0.00;	0.00;	38

Report date: 11/17/2009 11:23:02 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20679/2-A@25
Analysis from: 10/28/2009 1:59:56 AM
File: ta280159.chw Last save: 11/17/2009 11:14:40 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20471

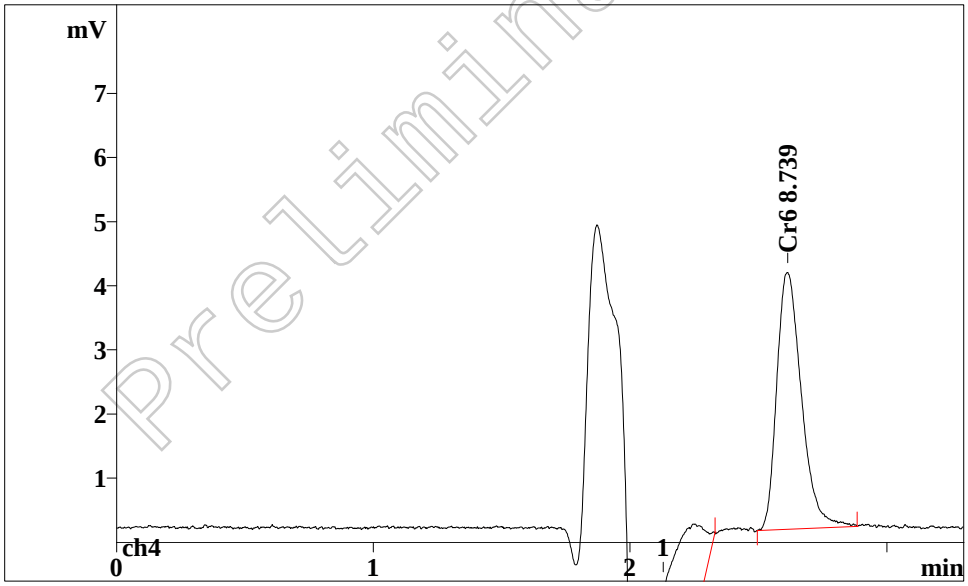
SAMPLE: 100ul loop
:
Vial number: 72
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.61;	0.102;	4.00;	60.13;	26.699;	47.49;	0.00;	0.00;	34

Report date: 11/17/2009 11:23:06 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20679/2-A@25
Analysis from: 10/28/2009 2:07:17 AM
File: ta280207.chw Last save: 11/17/2009 11:14:40 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20472

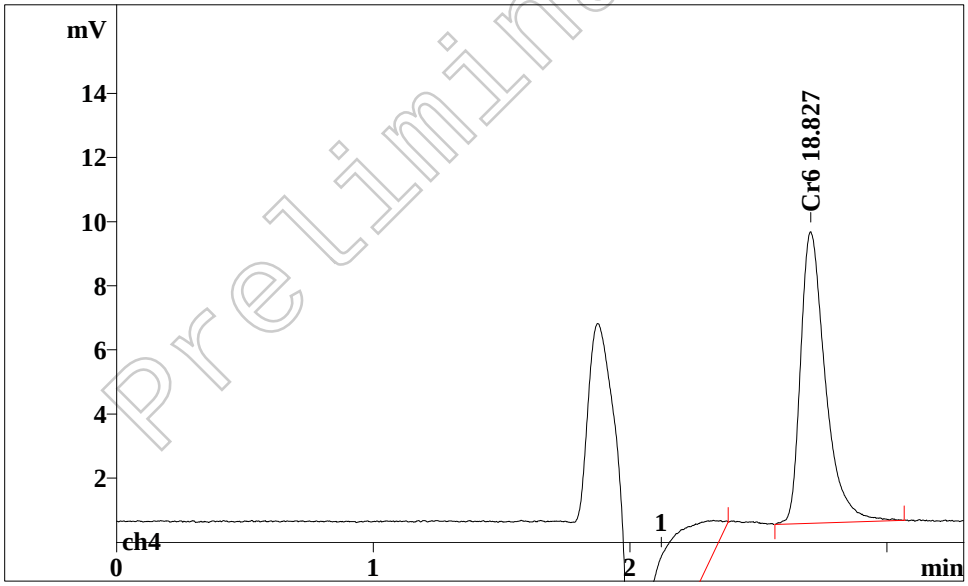
SAMPLE: 100ul loop
:
Vial number: 73
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.3 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.099;	9.09;	73.24;	61.123;	58.48;	0.00;	0.00;	36

Report date: 11/17/2009 11:23:10 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20679/3-A@500
Analysis from: 10/28/2009 2:14:37 AM
File: ta280214.chw Last save: 11/17/2009 11:14:40 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20473

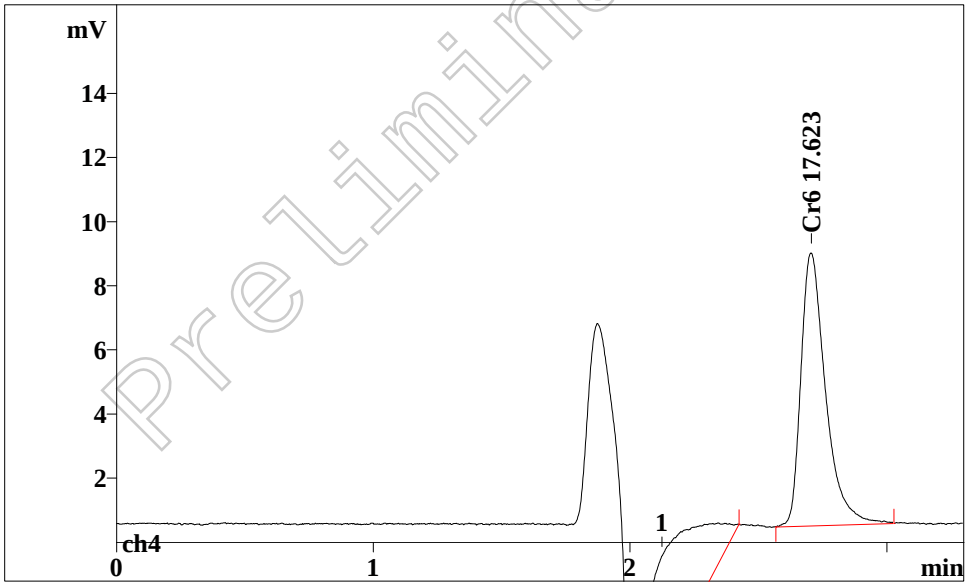
SAMPLE: 100ul loop
:
Vial number: 74
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.098;	8.51;	70.34;	57.016;	52.04;	0.00;	0.00;	36

Report date: 11/17/2009 11:23:15 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20679/3-A@500
Analysis from: 10/28/2009 2:21:56 AM
File: ta280221.chw Last save: 11/17/2009 11:14:41 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20474

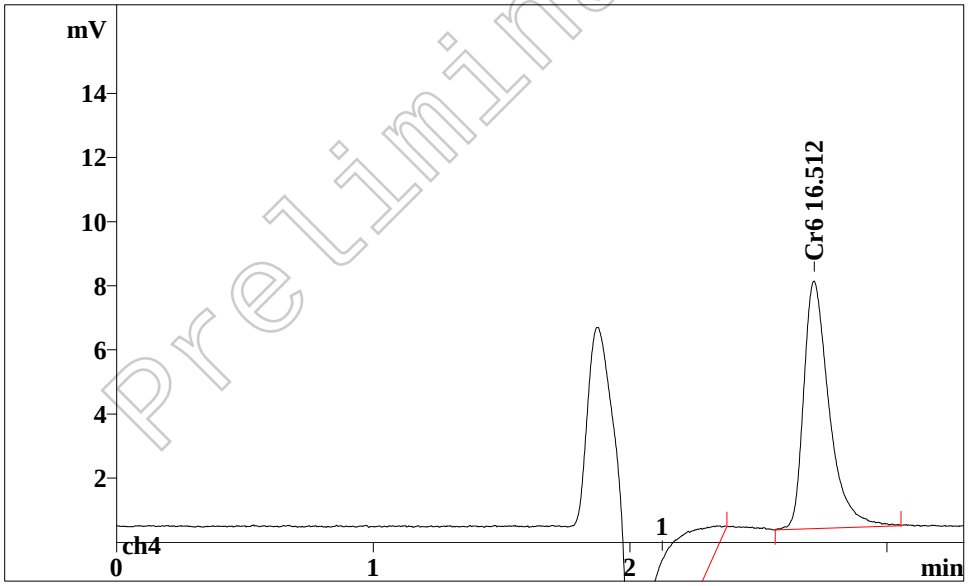
SAMPLE: 100ul loop
:
Vial number: 75
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.101;	7.72;	69.14;	53.223;	54.53;	0.00;	0.00;	35

Report date: 11/17/2009 11:23:19 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-6-A@2
Analysis from: 10/28/2009 2:29:14 AM
File: ta280229.chw Last save: 11/17/2009 11:14:41 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20475

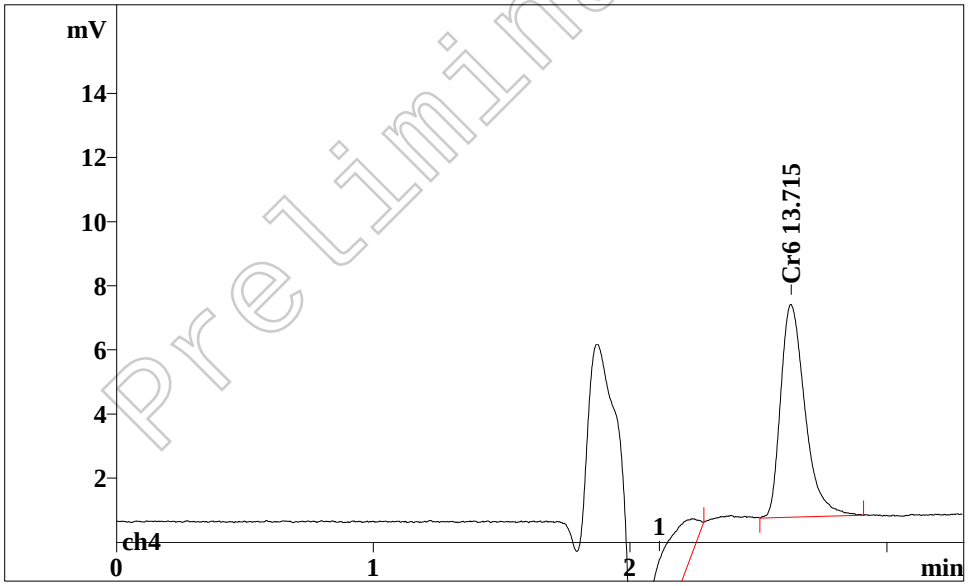
SAMPLE: 100ul loop
:
Vial number: 76
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.63;	0.099;	6.64;	72.43;	43.679;	64.34;	0.00;	0.00;	36

Report date: 11/17/2009 11:23:22 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-6-A@2
Analysis from: 10/28/2009 2:36:32 AM
File: ta280236.chw Last save: 11/17/2009 11:14:41 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20476

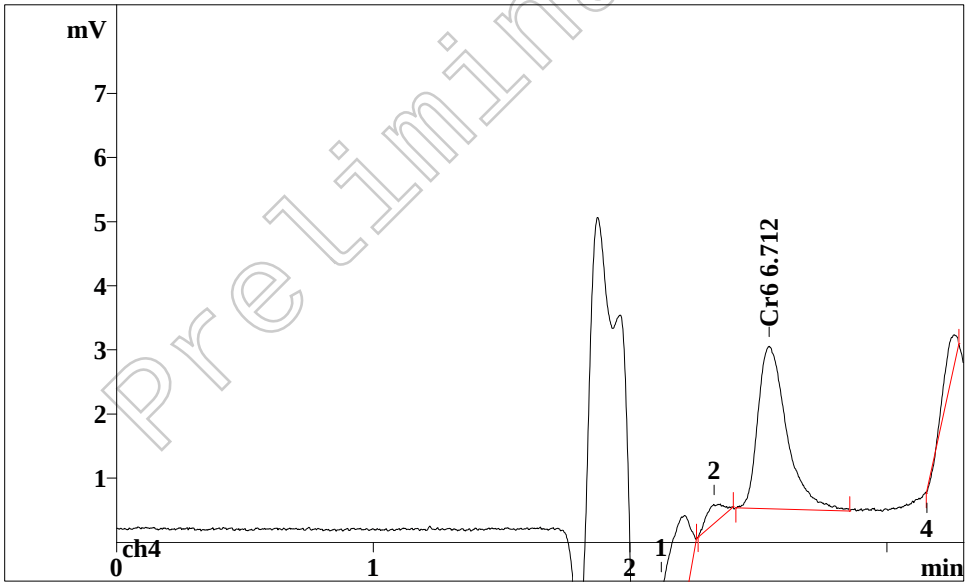
SAMPLE: 100ul loop
:
Vial number: 77
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.54;	0.114;	2.53;	49.82;	19.784;	47.18;	0.00;	3.24;	23

Report date: 11/17/2009 11:23:27 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 10/28/2009 2:43:49 AM
File: ta280243.chw Last save: 11/17/2009 11:14:41 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20477

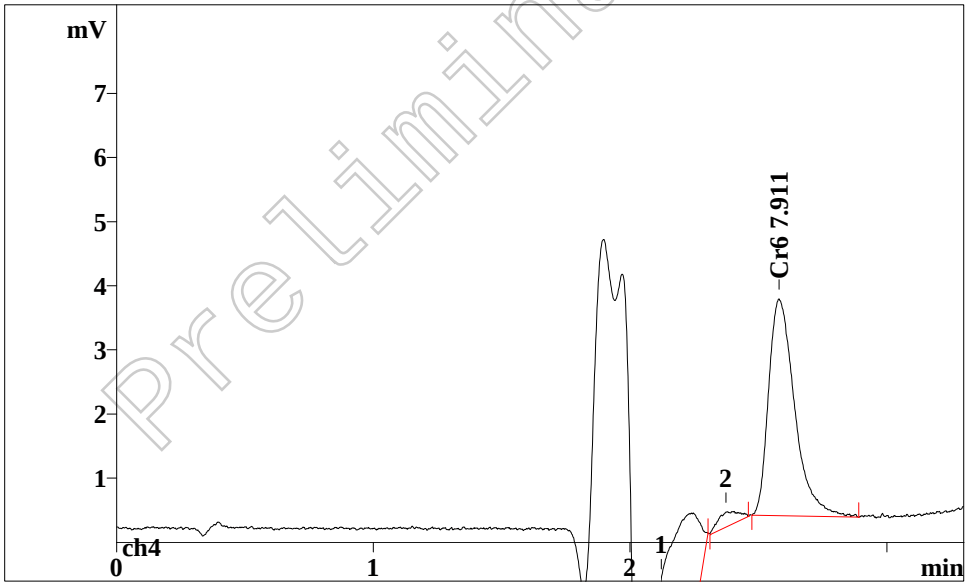
SAMPLE: 100ul loop
:
Vial number: 78
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.58;	0.106;	3.38;	45.67;	23.875;	39.48;	0.00;	0.00;	30

Report date: 11/17/2009 11:23:31 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 10/28/2009 2:51:05 AM
File: ta280251.chw Last save: 11/17/2009 11:14:41 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20478

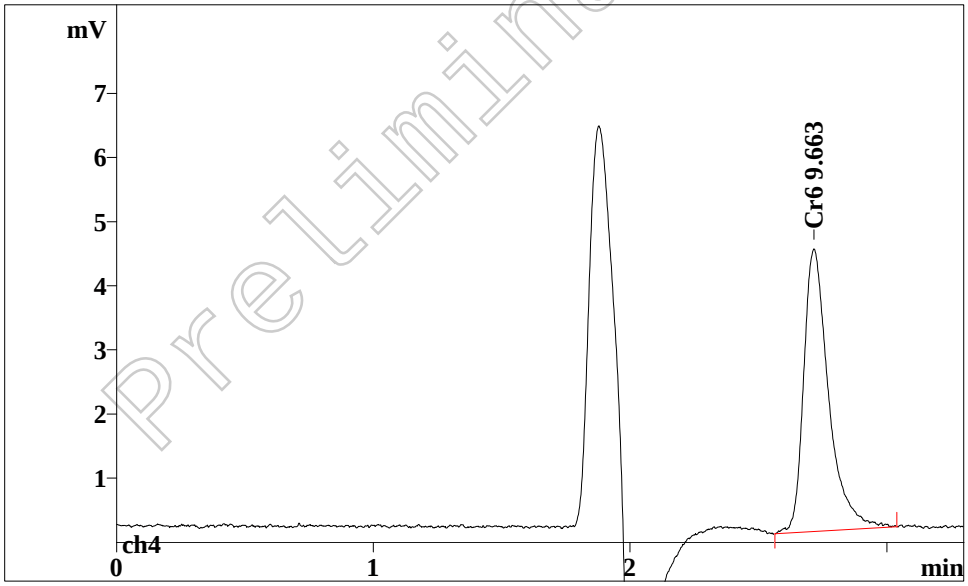
SAMPLE: 100ul loop
:
Vial number: 79
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.098;	4.41;	99.98;	29.855;	100.00;	0.00;	0.00;	36

Report date: 11/17/2009 11:23:35 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-6-B DU@2
Analysis from: 10/28/2009 2:58:21 AM
File: ta280258.chw Last save: 11/17/2009 11:14:41 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20479

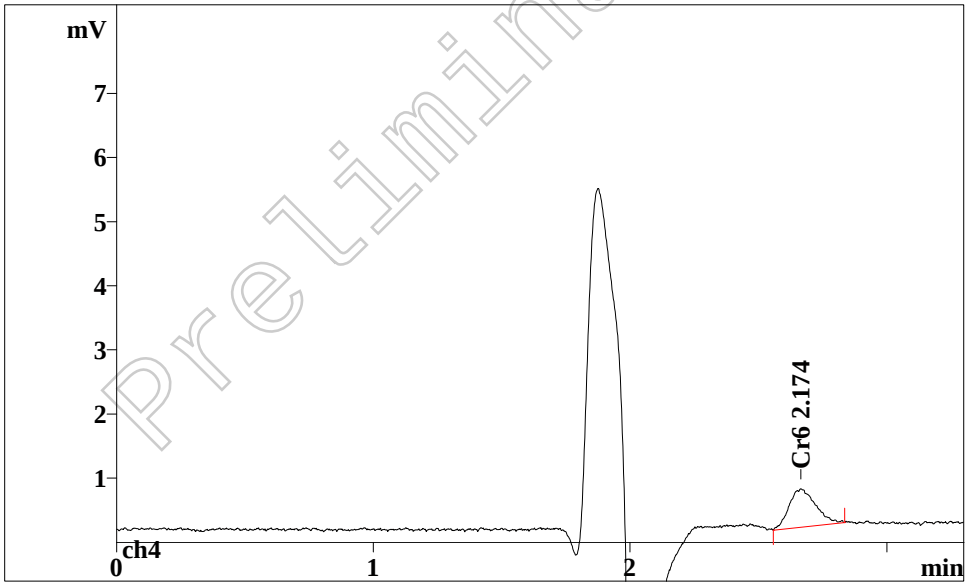
SAMPLE: 100ul loop
:
Vial number: 80
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.67;	0.113;	0.59;	98.58;	4.297;	100.00;	0.00;	0.00;	31

Report date: 11/17/2009 11:23:41 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-6-B DU@2
Analysis from: 10/28/2009 3:05:36 AM
File: ta280305.chw Last save: 11/17/2009 11:14:41 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20480

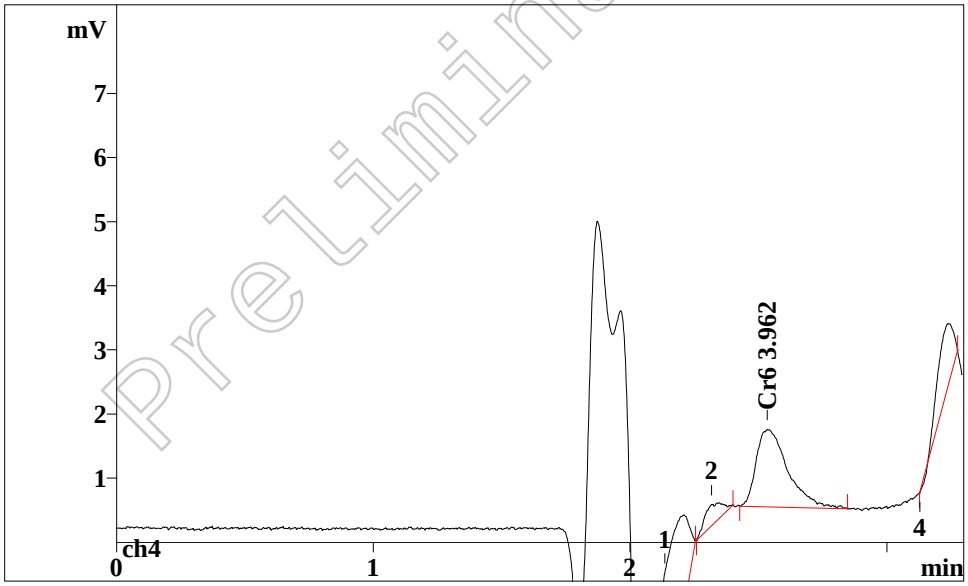
SAMPLE: 100ul loop
:
Vial number: 81
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.3 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.54;	0.124;	1.21;	31.13;	10.398;	29.53;	0.00;	2.63;	19

Report date: 11/17/2009 11:23:45 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-6-C MS@40
Analysis from: 10/28/2009 3:12:50 AM
File: ta280312.chw Last save: 11/17/2009 11:14:41 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20481

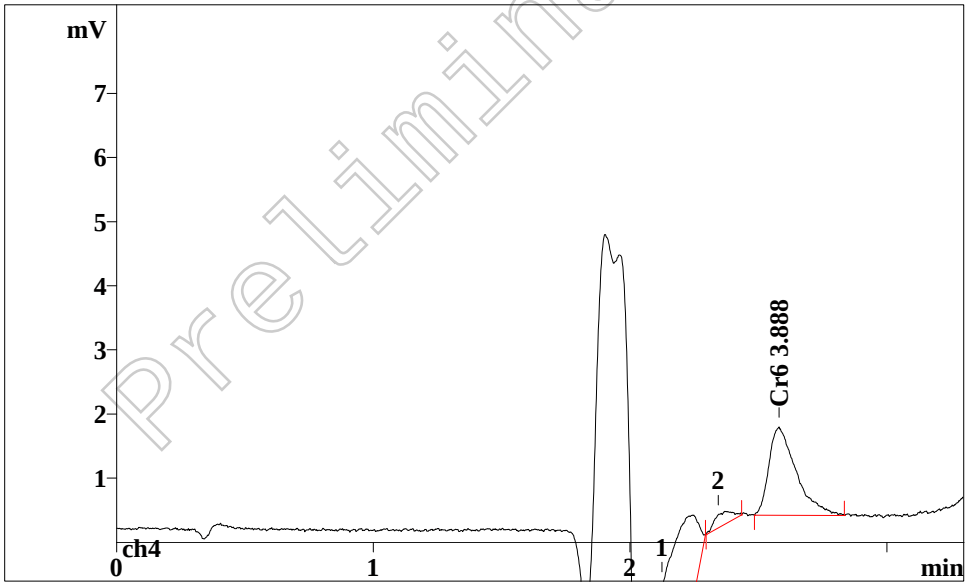
SAMPLE: 100ul loop
:
Vial number: 82
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.58;	0.112;	1.37;	31.84;	10.148;	27.57;	0.00;	0.00;	27

Report date: 11/17/2009 11:23:49 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-6-C MS@40
Analysis from: 10/28/2009 3:20:04 AM
File: ta280320.chw Last save: 11/17/2009 11:14:41 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20482

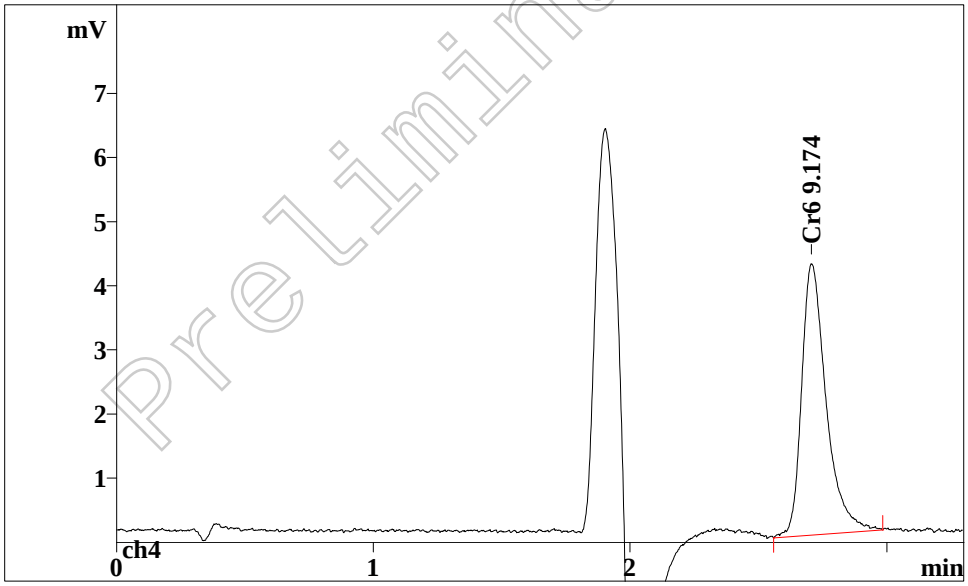
SAMPLE: 100ul loop
:
Vial number: 83
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 4.9 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.097;	4.23;	99.97;	28.186;	100.00;	0.00;	0.00;	37

Report date: 11/17/2009 11:23:52 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-6-D MSI@500
Analysis from: 10/28/2009 3:27:20 AM
File: ta280327.chw Last save: 11/17/2009 11:14:42 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20483

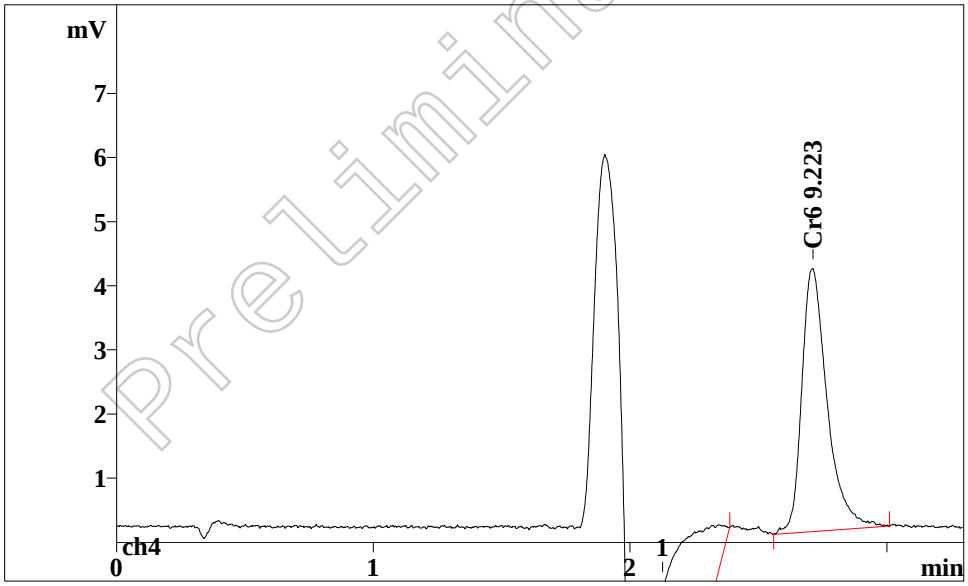
SAMPLE: 100ul loop
:
Vial number: 84
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.101;	4.10;	56.94;	28.351;	41.25;	0.00;	0.00;	34

Report date: 11/17/2009 11:23:56 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-6-D MSI@500
Analysis from: 10/28/2009 3:34:33 AM
File: ta280334.chw Last save: 11/17/2009 11:14:42 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20484

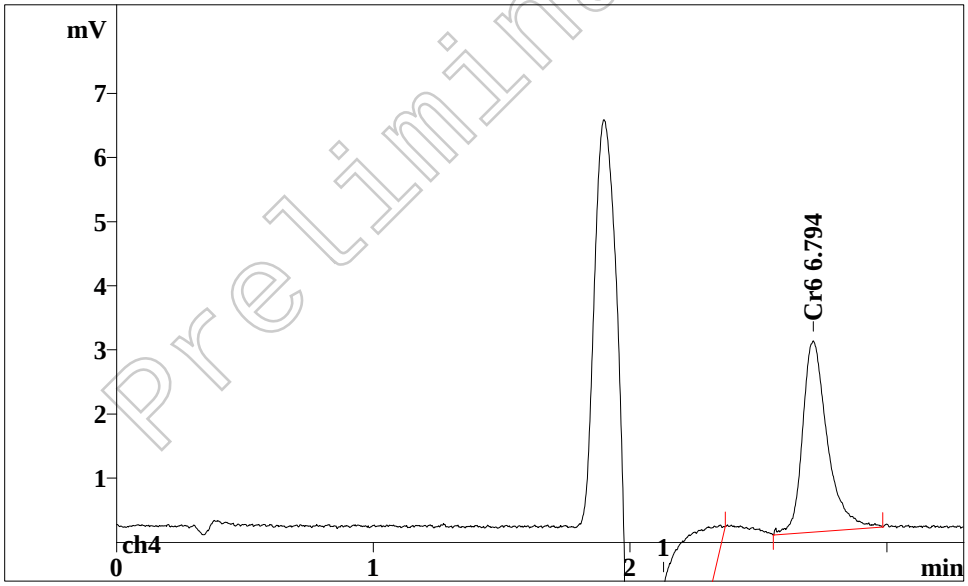
SAMPLE: 100ul loop
:
Vial number: 85
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 5.2 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.096;	2.97;	48.00;	20.063;	33.66;	0.00;	0.00;	36

Report date: 11/17/2009 11:24:01 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-7-A@2
Analysis from: 10/28/2009 3:41:48 AM
File: ta280341.chw Last save: 11/17/2009 11:14:42 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20485

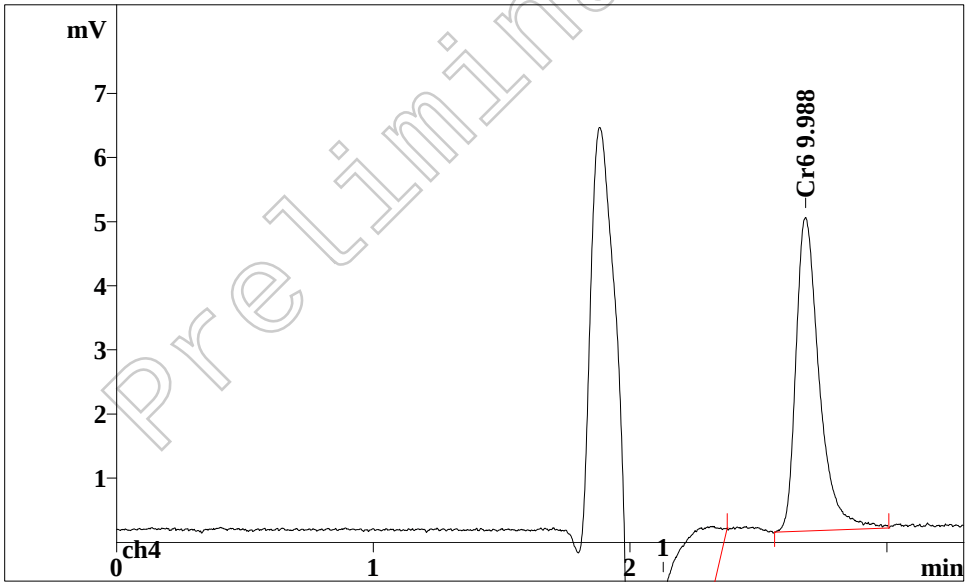
SAMPLE: 100ul loop
:
Vial number: 86
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.68;	0.092;	4.89;	60.12;	30.962;	42.52;	0.00;	0.00;	40

Report date: 11/17/2009 11:24:06 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-7-A@2
Analysis from: 10/28/2009 3:49:04 AM
File: ta280349.chw Last save: 11/17/2009 11:14:42 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20486

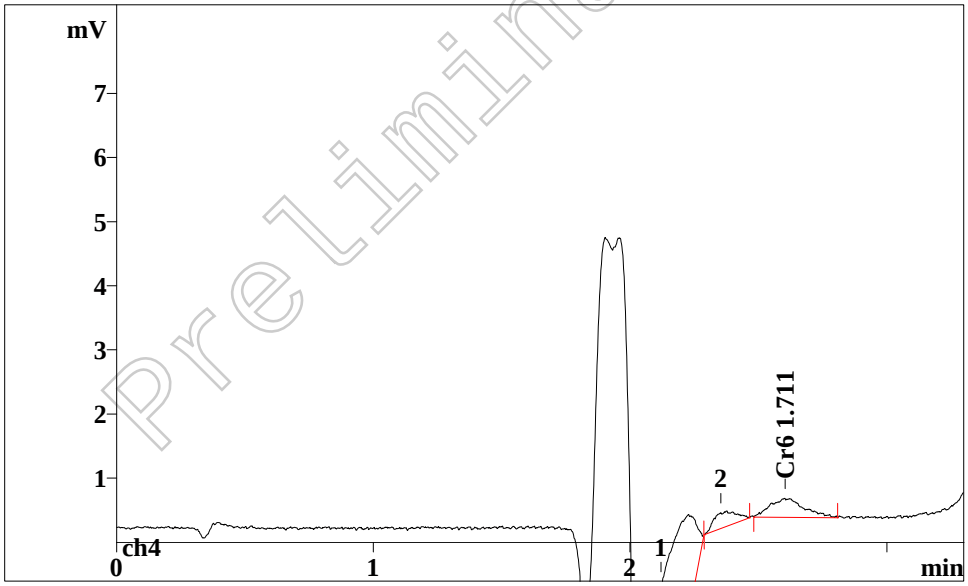
SAMPLE: 100ul loop
:
Vial number: 87
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 5.0 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.60;	0.138;	0.29;	8.85;	2.719;	9.23;	0.00;	0.00;	18

Report date: 11/17/2009 11:24:10 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-6-A PDS@40
Analysis from: 10/28/2009 3:56:20 AM
File: ta280356.chw Last save: 11/17/2009 11:14:42 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20487

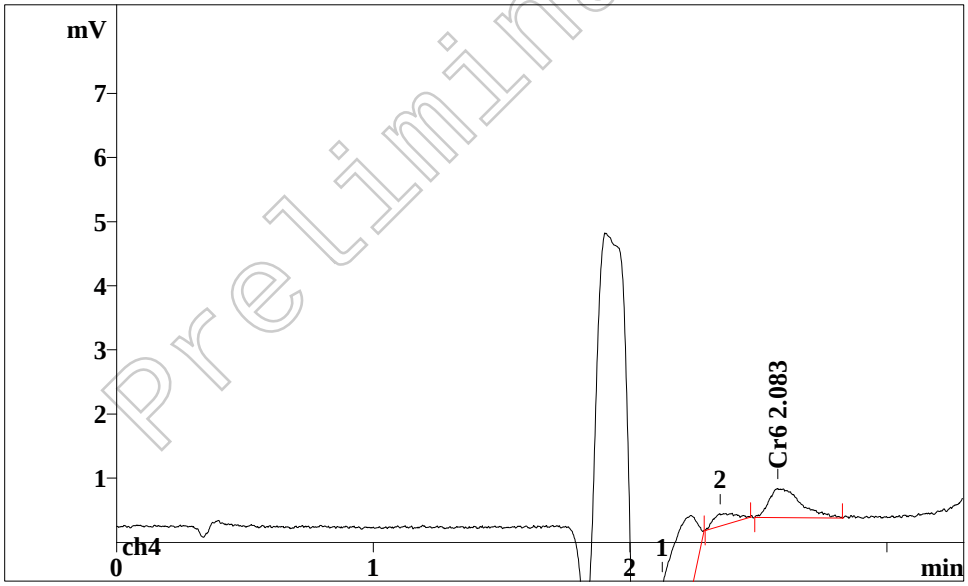
SAMPLE: 100ul loop
:
Vial number: 88
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.58;	0.129;	0.45;	15.61;	3.989;	15.39;	0.00;	0.00;	19

Report date: 11/17/2009 11:24:13 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-6-A PDS@40
Analysis from: 10/28/2009 4:03:38 AM
File: ta280403.chw Last save: 11/17/2009 11:14:42 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20488

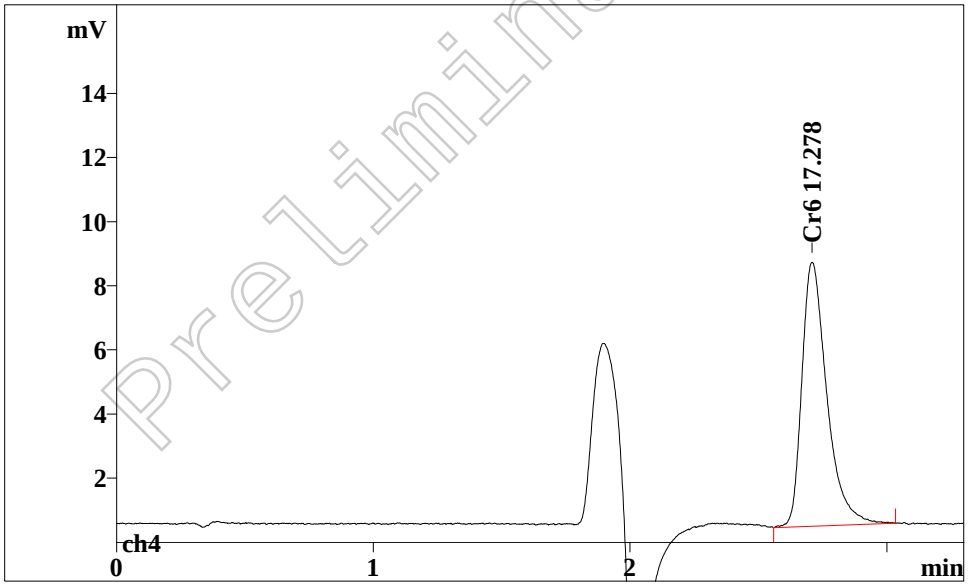
SAMPLE: 100ul loop
:
Vial number: 89
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 5.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.100;	8.24;	100.01;	55.839;	100.00;	0.00;	0.00;	36

Report date: 11/17/2009 11:24:17 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 10/28/2009 4:10:56 AM
File: ta280410.chw Last save: 11/17/2009 11:14:42 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20489

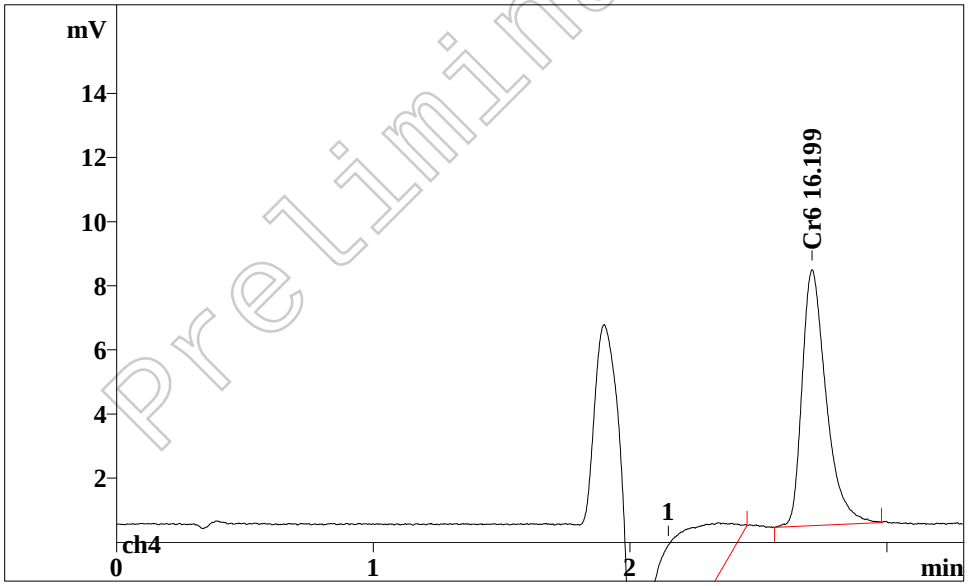
SAMPLE: 100ul loop
:
Vial number: 90
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.097;	7.99;	68.73;	52.155;	48.35;	0.00;	0.00;	38

Report date: 11/17/2009 11:24:20 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 10/28/2009 4:18:15 AM
File: ta280418.chw Last save: 11/17/2009 11:14:42 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20490

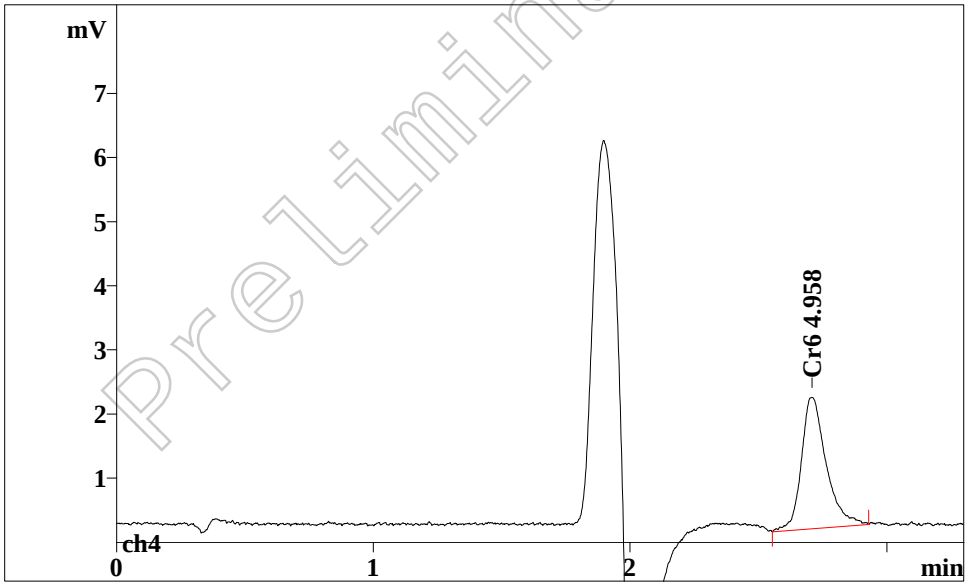
SAMPLE: 100ul loop
:
Vial number: 91
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.096;	2.05;	99.87;	13.798;	100.00;	0.00;	0.00;	36

Report date: 11/17/2009 11:24:24 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20680/1-A@2
Analysis from: 10/28/2009 4:25:35 AM
File: ta280425.chw Last save: 11/17/2009 11:14:42 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20491

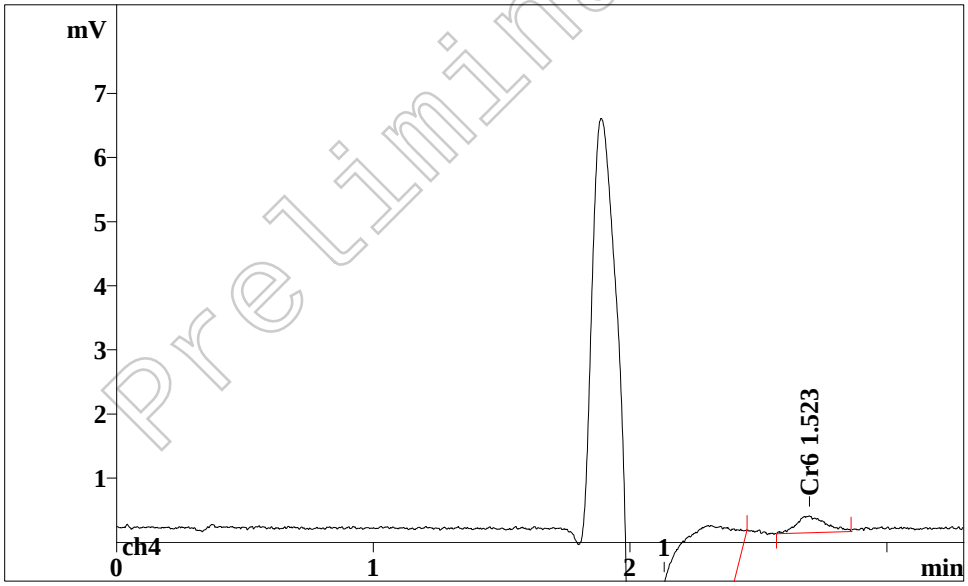
SAMPLE: 100ul loop
:
Vial number: 92
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.117;	0.26;	5.65;	2.078;	3.12;	0.00;	0.00;	26

Report date: 11/17/2009 11:24:27 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20680/1-A@2
Analysis from: 10/28/2009 4:32:54 AM
File: ta280432.chw Last save: 11/17/2009 11:14:43 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20492

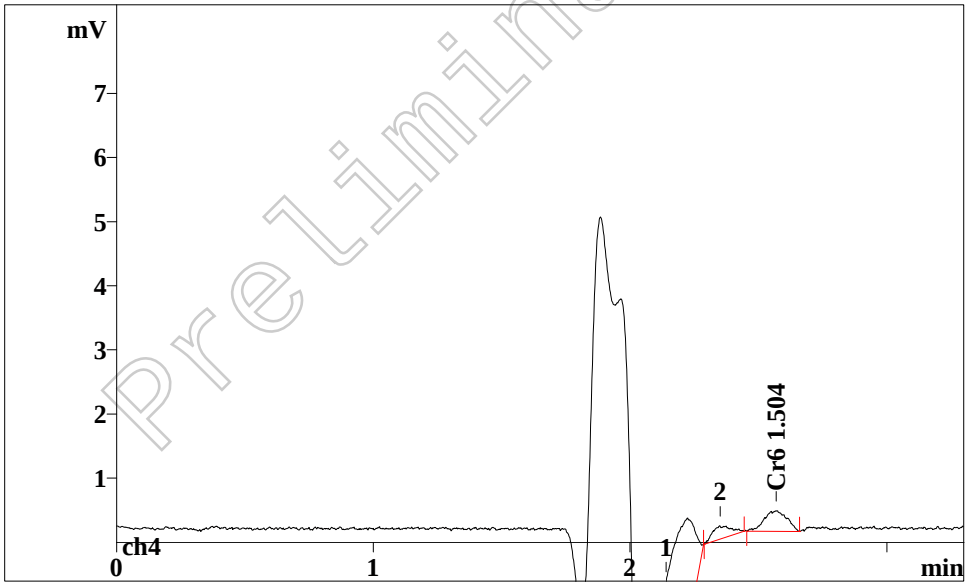
SAMPLE: 100ul loop
:
Vial number: 93
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.57;	0.106;	0.32;	10.24;	2.011;	7.49;	0.00;	0.00;	38

Report date: 11/17/2009 11:24:31 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20680/2-A@25
Analysis from: 10/28/2009 4:40:15 AM
File: ta280440.chw Last save: 11/17/2009 11:14:43 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20493

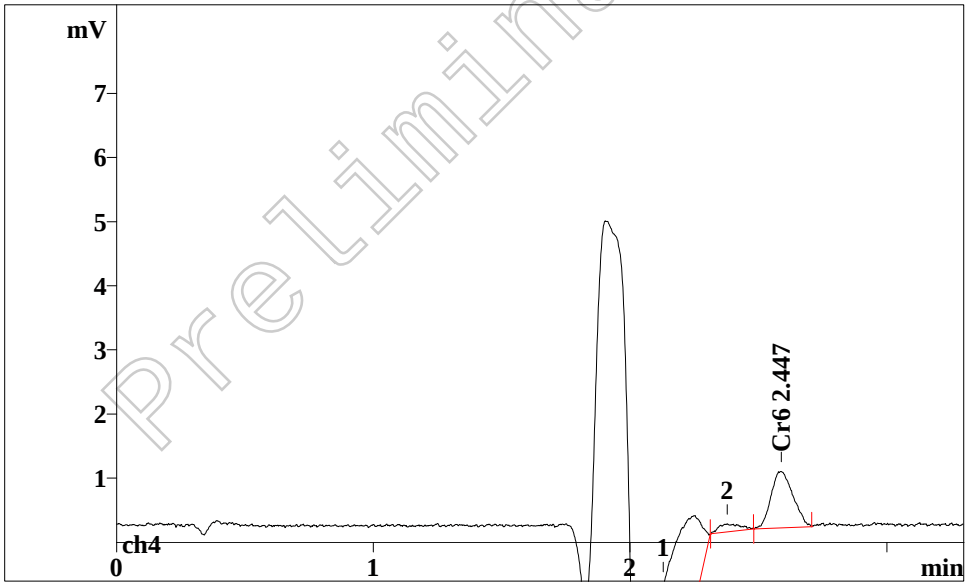
SAMPLE: 100ul loop
:
Vial number: 94
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 5.2 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.59;	0.094;	0.88;	25.25;	5.232;	16.56;	0.00;	0.00;	43

Report date: 11/17/2009 11:24:35 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20680/2-A@25
Analysis from: 10/28/2009 4:47:38 AM
File: ta280447.chw Last save: 11/17/2009 11:14:43 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20494

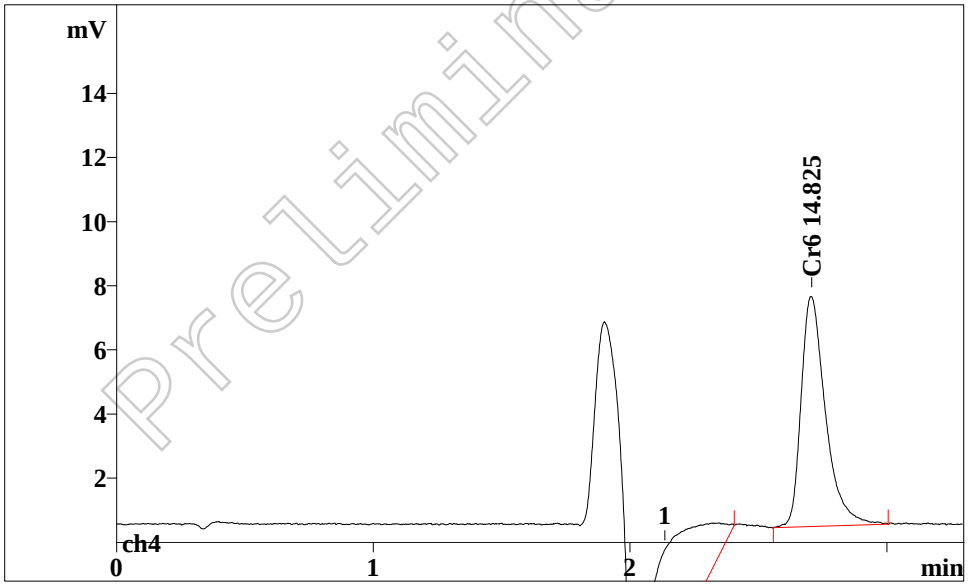
SAMPLE: 100ul loop
:
Vial number: 95
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.097;	7.17;	67.16;	47.469;	49.85;	0.00;	0.00;	37

Report date: 11/17/2009 11:24:39 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20680/3-A@500
Analysis from: 10/28/2009 4:55:00 AM
File: ta280455.chw Last save: 11/17/2009 11:14:43 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20495

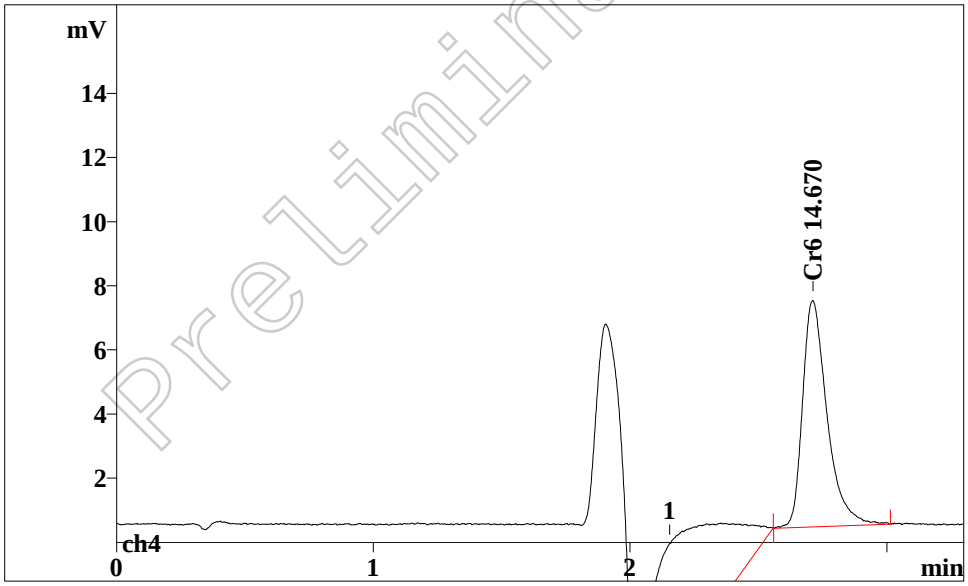
SAMPLE: 100ul loop
:
Vial number: 96
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.098;	7.06;	63.73;	46.940;	38.57;	0.00;	0.00;	37

Report date: 11/17/2009 11:24:42 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20680/3-A@500
Analysis from: 10/28/2009 5:02:24 AM
File: ta280502.chw Last save: 11/17/2009 11:14:43 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20496

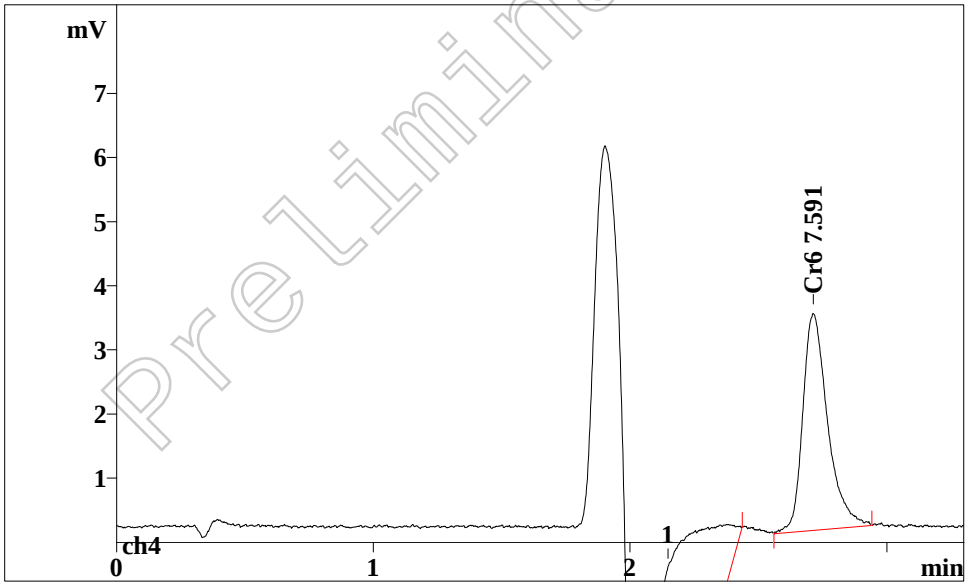
SAMPLE: 100ul loop
:
Vial number: 97
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.099;	3.38;	48.39;	22.783;	30.26;	0.00;	0.00;	36

Report date: 11/17/2009 11:24:46 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-8-A@2
Analysis from: 10/28/2009 5:09:48 AM
File: ta280509.chw Last save: 11/17/2009 11:14:43 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20497

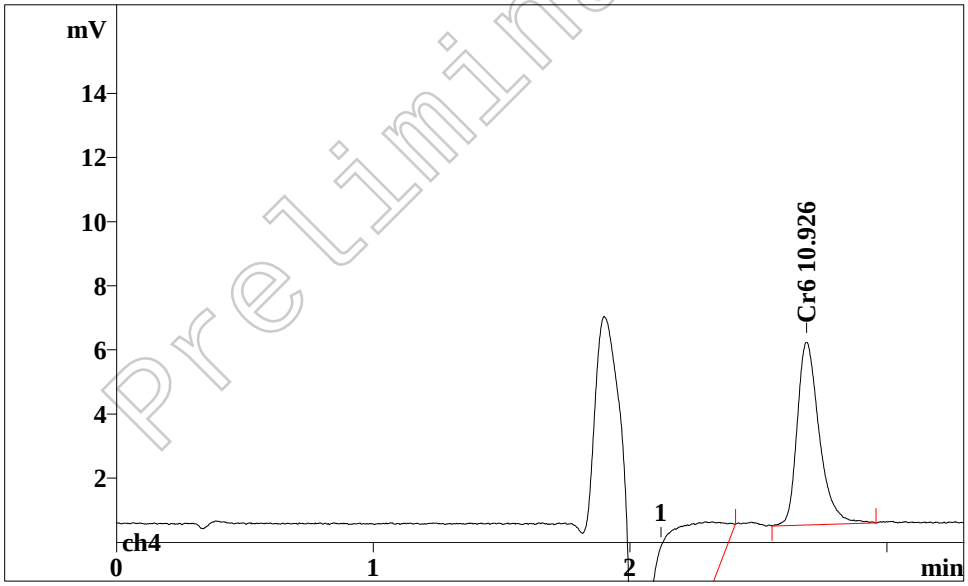
SAMPLE: 100ul loop
:
Vial number: 98
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 5.1 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.089;	5.71;	51.69;	34.164;	33.21;	0.00;	0.00;	45

Report date: 11/17/2009 11:24:50 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-8-A@2
Analysis from: 10/28/2009 5:17:12 AM
File: ta280517.chw Last save: 11/17/2009 11:14:43 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20498

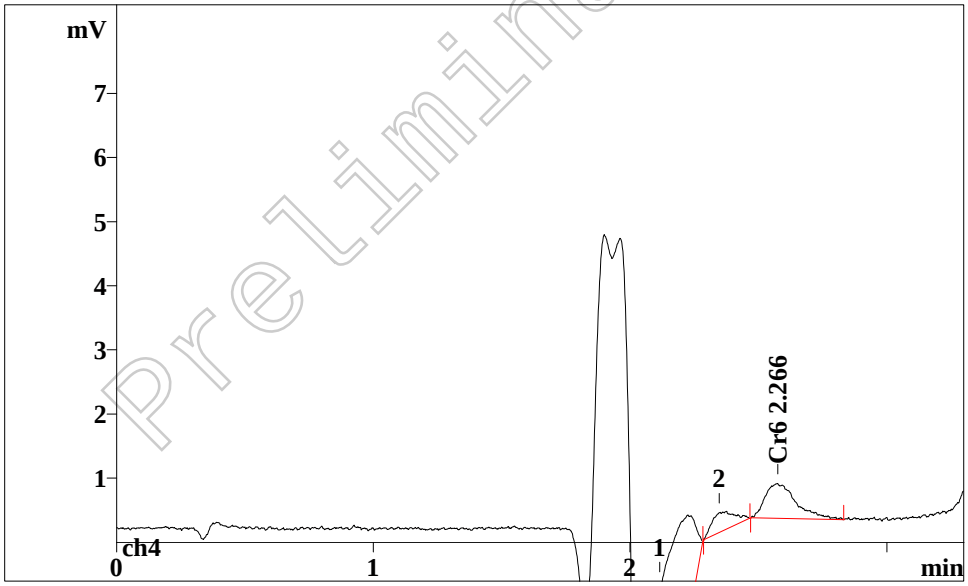
SAMPLE: 100ul loop
:
Vial number: 99
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.57;	0.124;	0.54;	14.26;	4.614;	13.70;	0.00;	0.00;	20

Report date: 11/17/2009 11:24:53 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-8-B DU@2
Analysis from: 10/28/2009 5:24:37 AM
File: ta280524.chw Last save: 11/17/2009 11:14:43 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20499

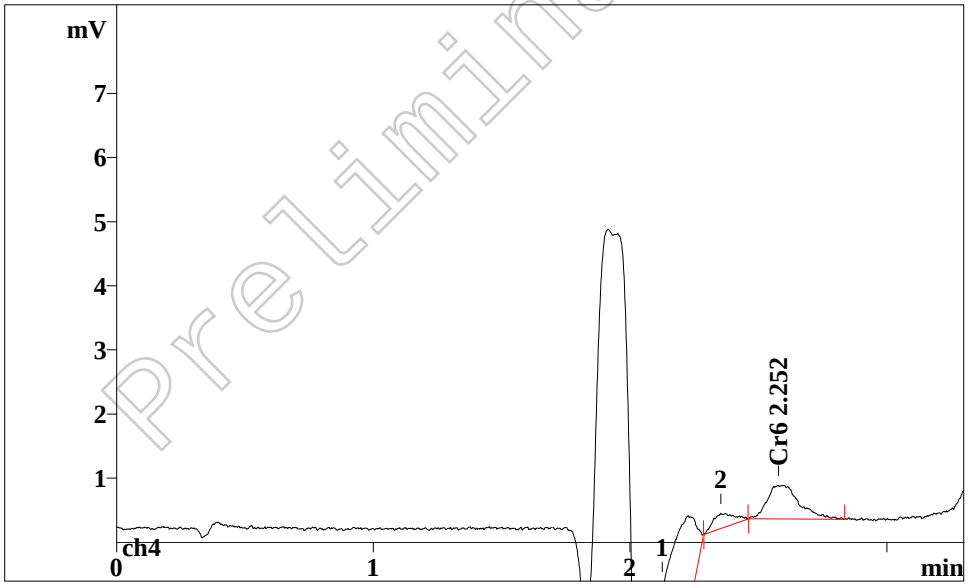
SAMPLE: 100ul loop
:
Vial number: 100
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.58;	0.124;	0.52;	16.22;	4.565;	16.22;	0.00;	0.00;	20

Report date: 11/17/2009 11:24:57 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-8-B DU@2
Analysis from: 10/28/2009 5:32:01 AM
File: ta280532.chw Last save: 11/17/2009 11:14:44 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20500

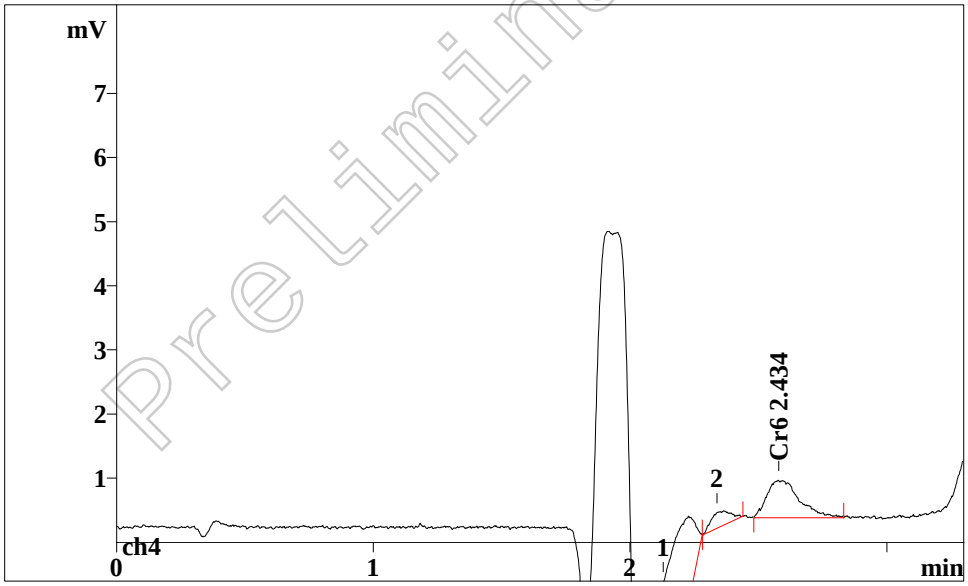
SAMPLE: 100ul loop
:
Vial number: 101
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.58;	0.128;	0.58;	18.52;	5.185;	19.01;	0.00;	0.00;	19

Report date: 11/17/2009 11:25:01 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 10/28/2009 5:39:25 AM
File: ta280539.chw Last save: 11/17/2009 11:14:44 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20501

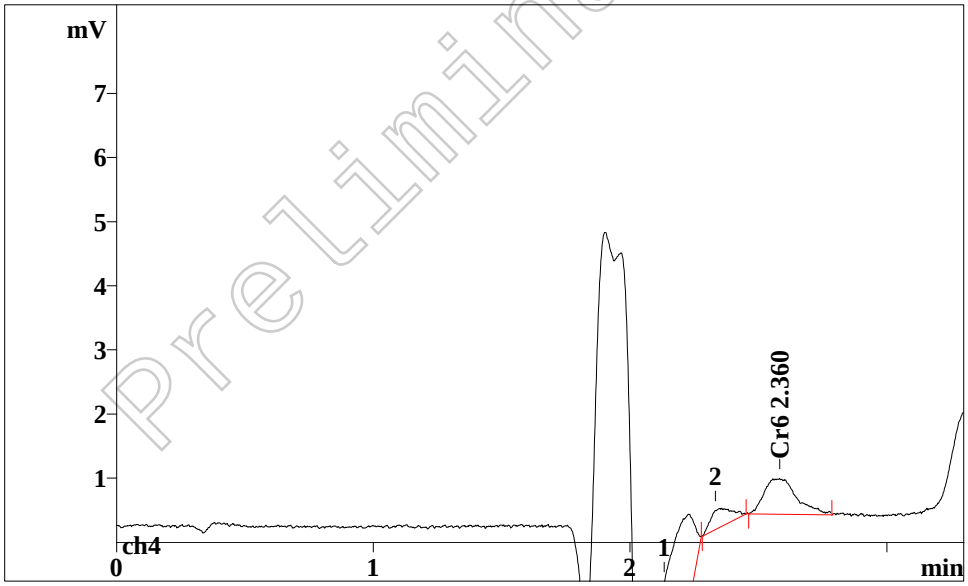
SAMPLE: 100ul loop
:
Vial number: 102
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 5.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.58;	0.130;	0.55;	16.59;	4.933;	17.54;	0.00;	0.00;	19

Report date: 11/17/2009 11:25:05 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 10/28/2009 5:46:49 AM
File: ta280546.chw Last save: 11/17/2009 11:14:44 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20502

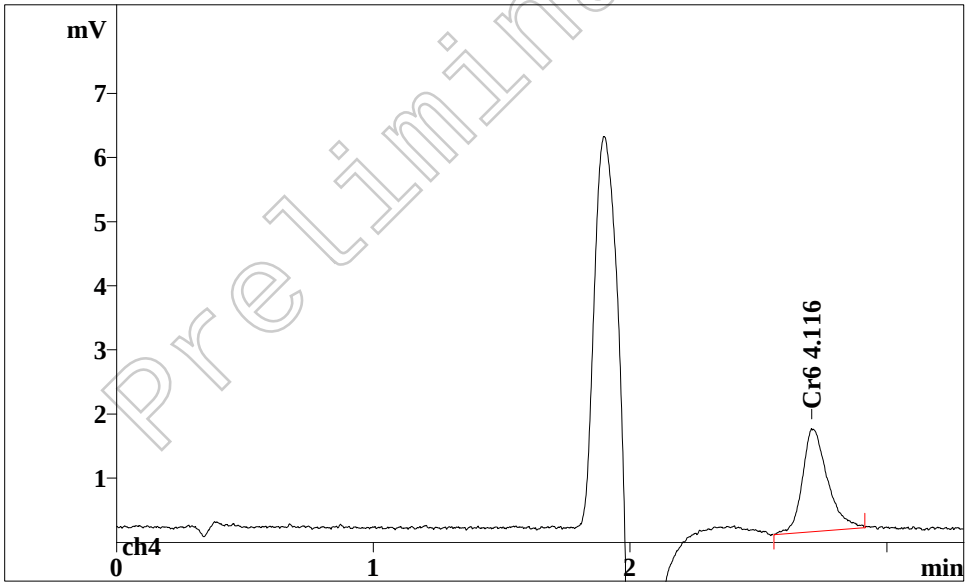
SAMPLE: 100ul loop
:
Vial number: 103
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.099;	1.60;	99.34;	10.924;	100.00;	0.00;	0.00;	36

Report date: 11/17/2009 11:25:08 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-8-C MS@40
Analysis from: 10/28/2009 5:54:13 AM
File: ta280554.chw Last save: 11/17/2009 11:14:44 AM

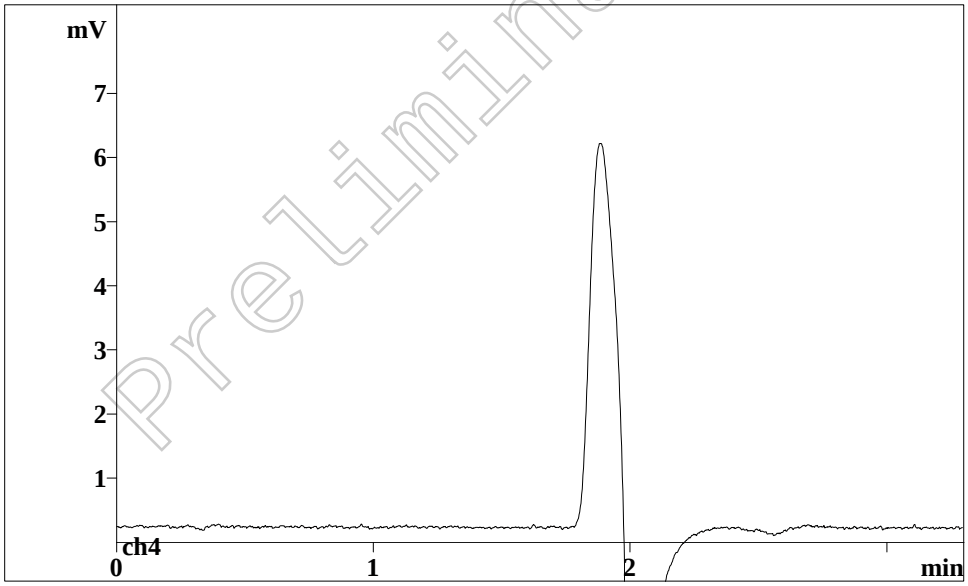
Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20503

SAMPLE: 100ul loop
:
Vial number: 104
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No peaks

Preliminary Data

Report date: 11/17/2009 11:25:12 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-8-C MS@40
Analysis from: 10/28/2009 6:01:37 AM
File: ta280601.chw Last save: 11/17/2009 11:14:44 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20504

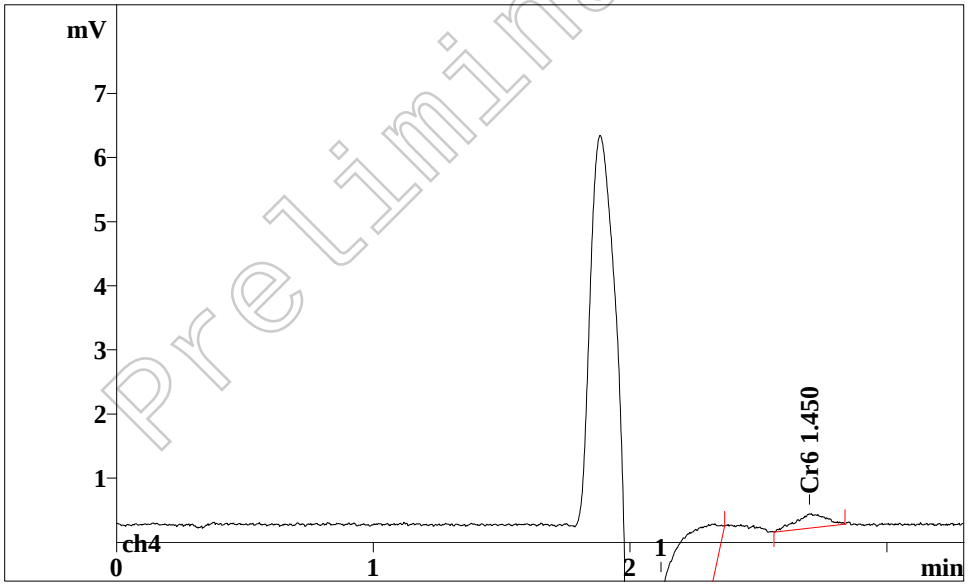
SAMPLE: 100ul loop
:
Vial number: 105
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;
1;	2.70;	0.142;	0.22;	5.80;	1.830;	4.00;	0.00;	0.00; 24

Report date: 11/17/2009 11:25:16 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-8-D MSI@500
Analysis from: 10/28/2009 6:09:01 AM
File: ta280609.chw Last save: 11/17/2009 11:14:44 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20505

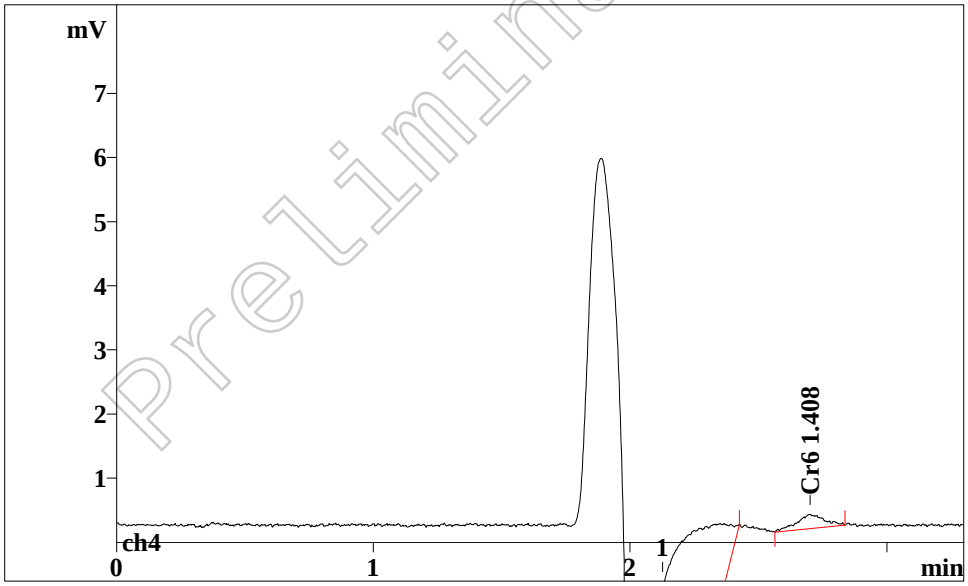
SAMPLE: 100ul loop
:
Vial number: 106
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;
1;	2.70;	0.105;	0.22;	5.59;	1.684;	3.00;	0.00;	0.00; 29

Report date: 11/17/2009 11:25:20 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-8-D MSI@500
Analysis from: 10/28/2009 6:16:23 AM
File: ta280616.chw Last save: 11/17/2009 11:14:44 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20506

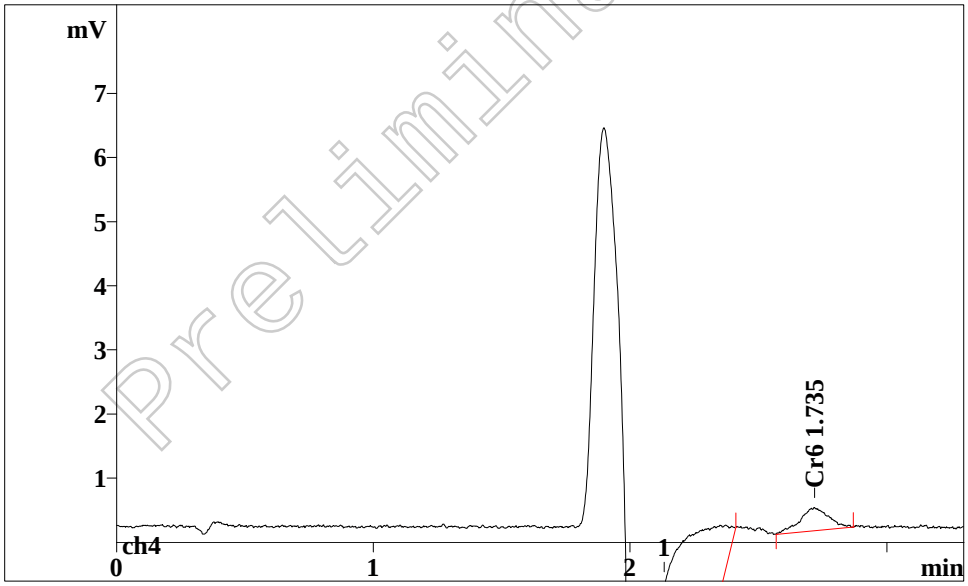
SAMPLE: 100ul loop
:
Vial number: 107
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.117;	0.35;	8.71;	2.802;	5.30;	0.00;	0.00;	28

Report date: 11/17/2009 11:25:23 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-9-A@2
Analysis from: 10/28/2009 6:23:45 AM
File: ta280623.chw Last save: 11/17/2009 11:14:44 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20507

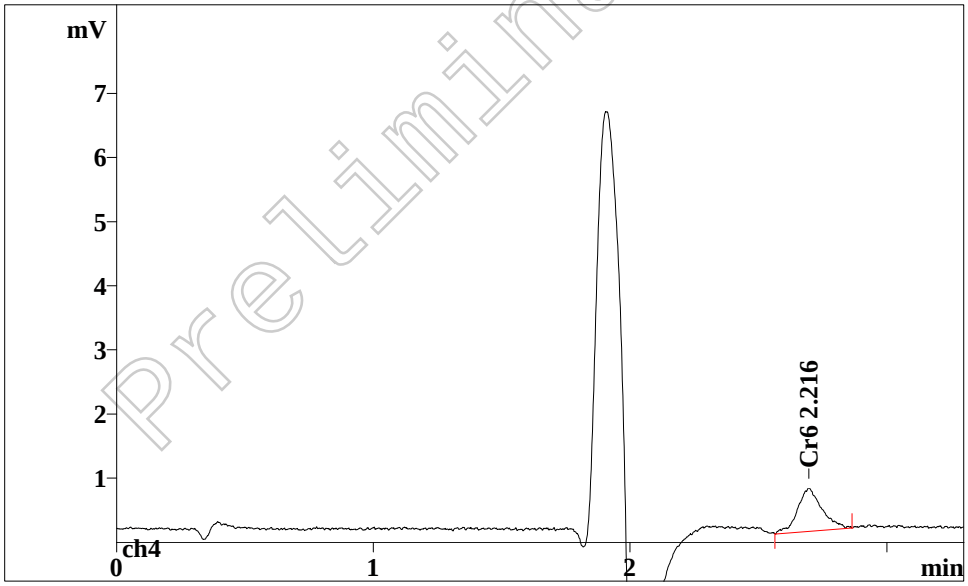
SAMPLE: 100ul loop
:
Vial number: 108
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 5.0 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.097;	0.68;	99.81;	4.443;	100.00;	0.00;	0.00;	38

Report date: 11/17/2009 11:25:27 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-9-A@2
Analysis from: 10/28/2009 6:31:07 AM
File: ta280631.chw Last save: 11/17/2009 11:14:45 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20508

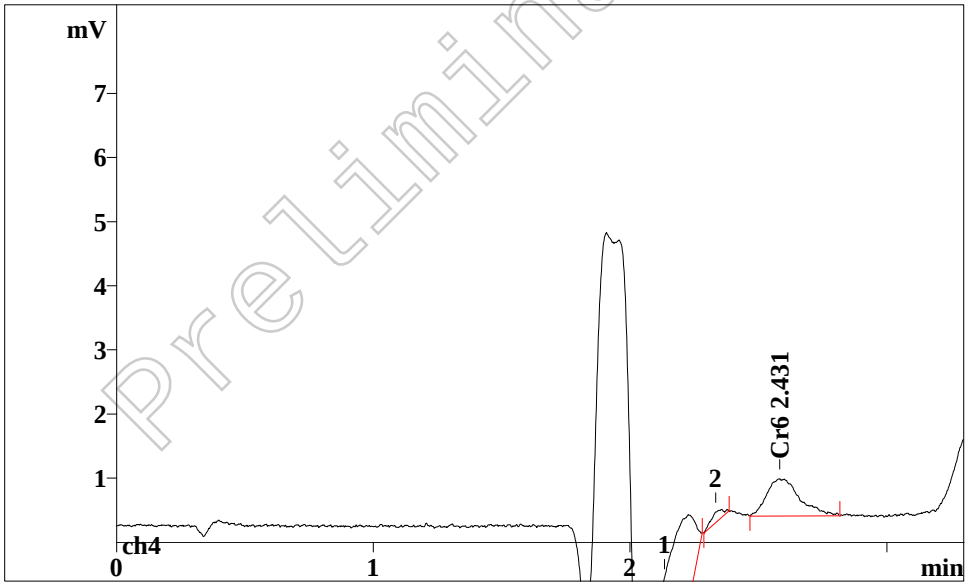
SAMPLE: 100ul loop
:
Vial number: 109
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.58;	0.130;	0.58;	18.54;	5.176;	19.40;	0.00;	0.00;	18

Report date: 11/17/2009 11:25:31 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-10-A@2
Analysis from: 10/28/2009 6:38:27 AM
File: ta280638.chw Last save: 11/17/2009 11:14:45 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20509

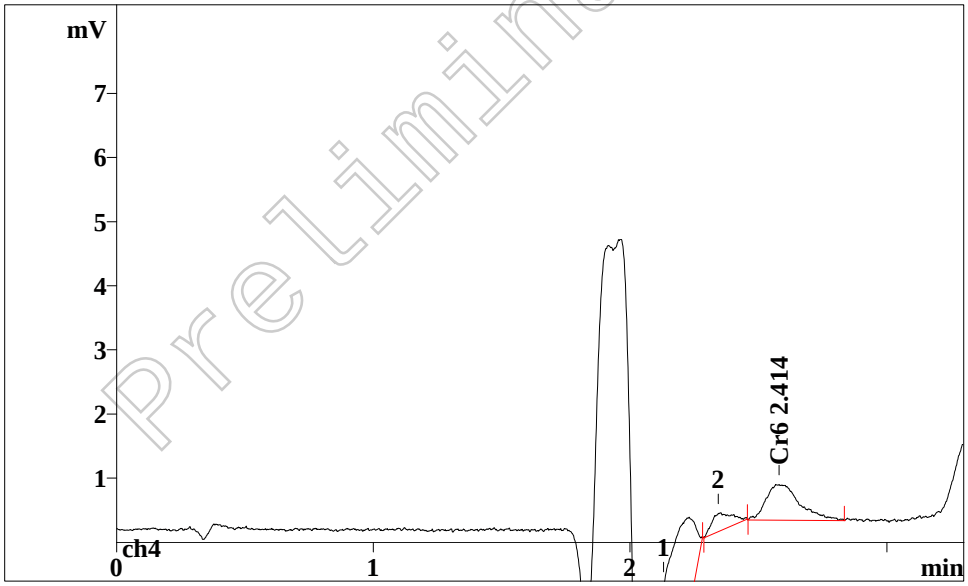
SAMPLE: 100ul loop
:
Vial number: 110
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.58;	0.132;	0.55;	16.10;	5.119;	17.43;	0.00;	0.00;	17

Report date: 11/17/2009 11:25:35 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-10-A@2
Analysis from: 10/28/2009 6:45:46 AM
File: ta280645.chw Last save: 11/17/2009 11:14:45 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20510

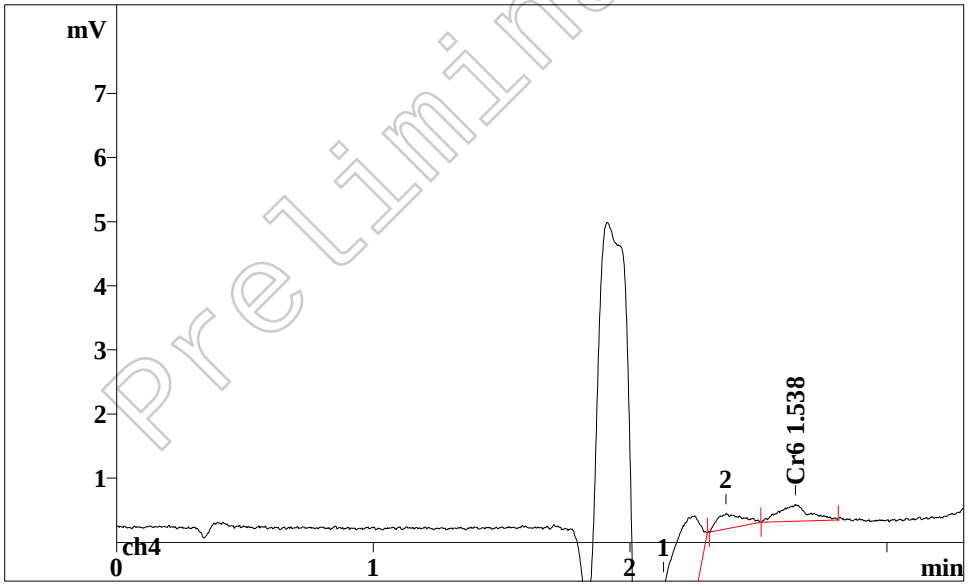
SAMPLE: 100ul loop
:
Vial number: 111
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 5.2 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.65;	0.112;	0.25;	7.98;	2.128;	7.27;	0.00;	0.00;	23

Report date: 11/17/2009 11:25:38 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-8-A PDS@40
Analysis from: 10/28/2009 6:53:05 AM
File: ta280653.chw Last save: 11/17/2009 11:14:45 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20511

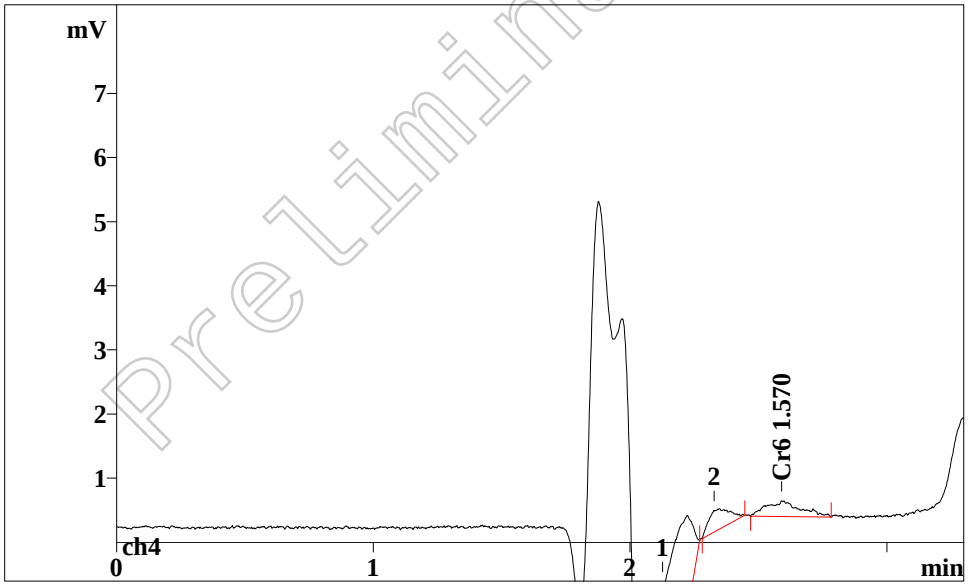
SAMPLE: 100ul loop
:
Vial number: 112
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.60;	0.141;	0.24;	7.74;	2.237;	8.70;	0.00;	0.00;	18

Report date: 11/17/2009 11:25:42 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-8-A PDS@40
Analysis from: 10/28/2009 7:00:24 AM
File: ta280700.chw Last save: 11/17/2009 11:14:45 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20512

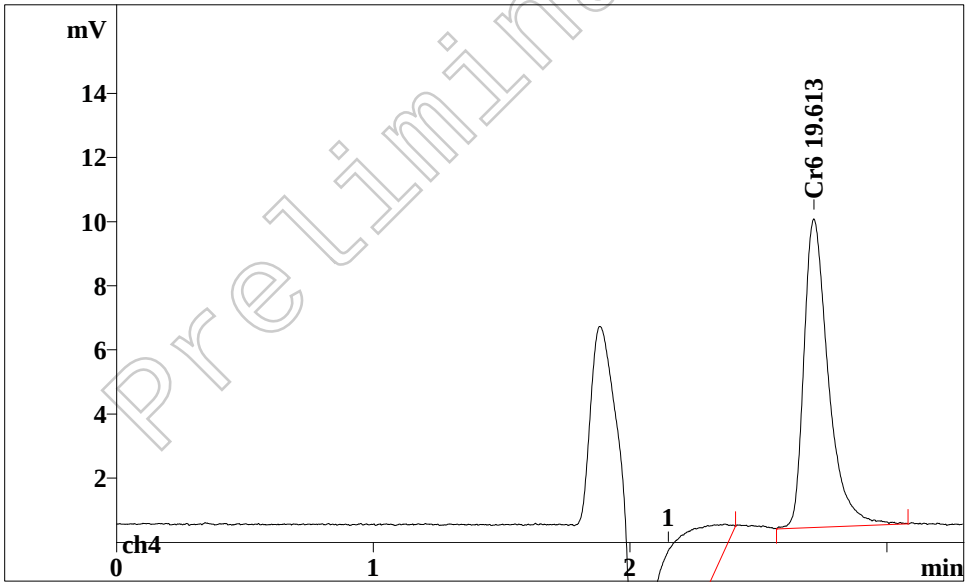
SAMPLE: 100ul loop
:
Vial number: 113
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.097;	9.62;	71.55;	63.806;	55.06;	0.00;	0.00;	37

Report date: 11/17/2009 11:25:49 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 10/28/2009 7:07:42 AM
File: ta280707.chw Last save: 11/17/2009 11:14:45 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20513

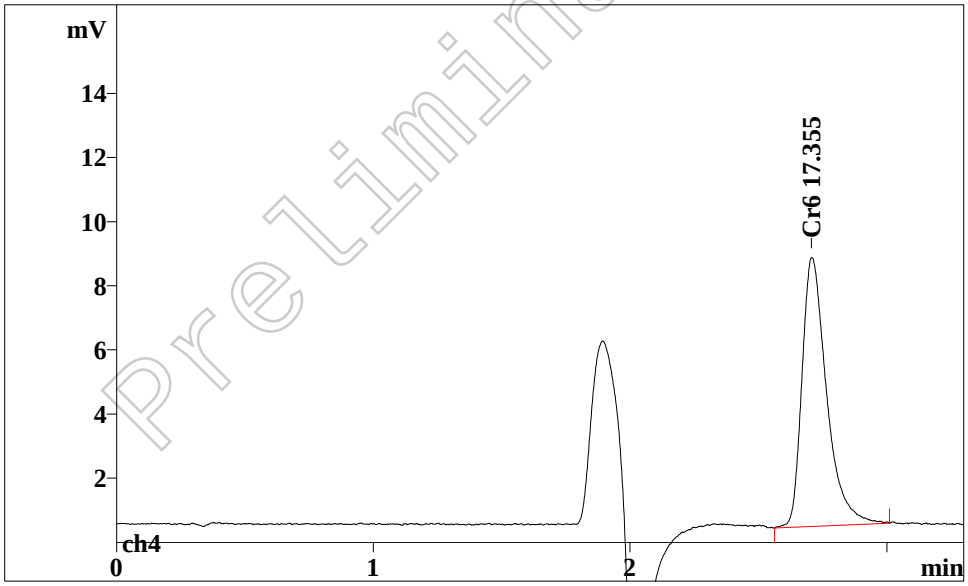
SAMPLE: 100ul loop
:
Vial number: 114
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.098;	8.40;	100.08;	56.101;	100.00;	0.00;	0.00;	37

Report date: 11/17/2009 11:25:56 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 10/28/2009 7:14:59 AM
File: ta280714.chw Last save: 11/17/2009 11:14:45 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20514

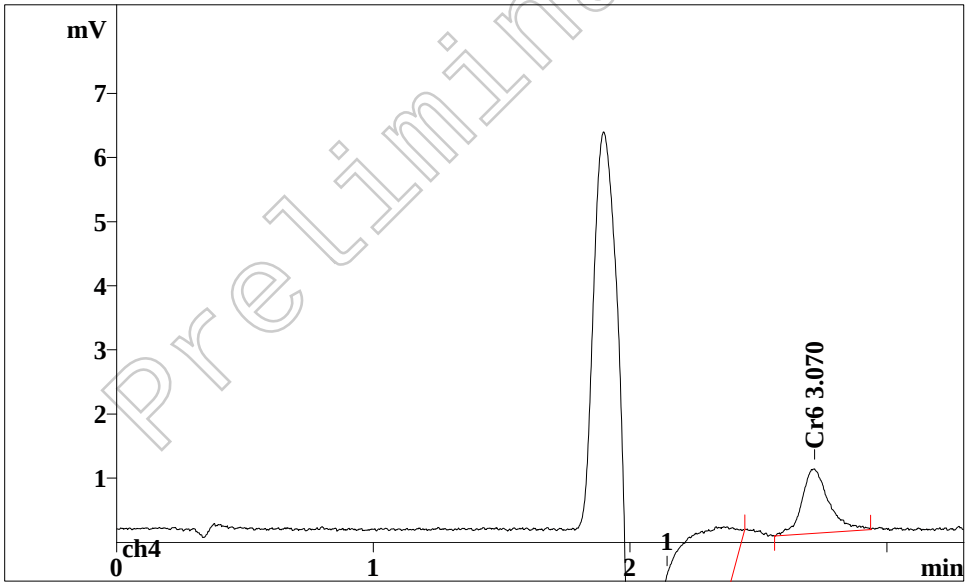
SAMPLE: 100ul loop
:
Vial number: 115
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.102;	1.00;	20.84;	7.357;	11.51;	0.00;	0.00;	31

Report date: 11/17/2009 11:26:04 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20681/1-A@2
Analysis from: 10/28/2009 7:22:15 AM
File: ta280722.chw Last save: 11/17/2009 11:14:45 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20515

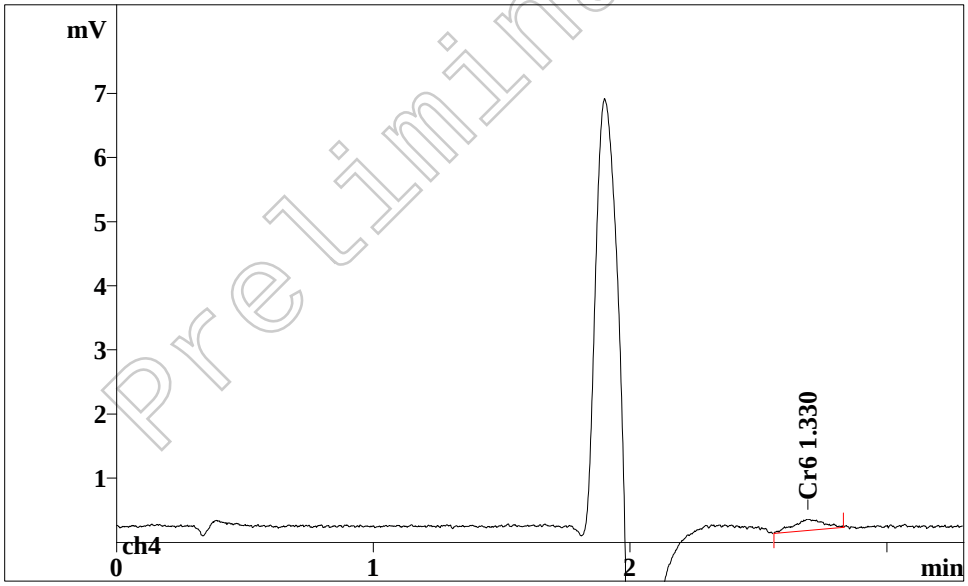
SAMPLE: 100ul loop
:
Vial number: 116
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.116;	0.18;	98.63;	1.419;	100.00;	0.00;	0.00;	26

Report date: 11/17/2009 11:26:24 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20681/1-A@2
Analysis from: 10/28/2009 7:29:30 AM
File: ta280729.chw Last save: 11/17/2009 11:14:45 AM
Modified!
Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20516

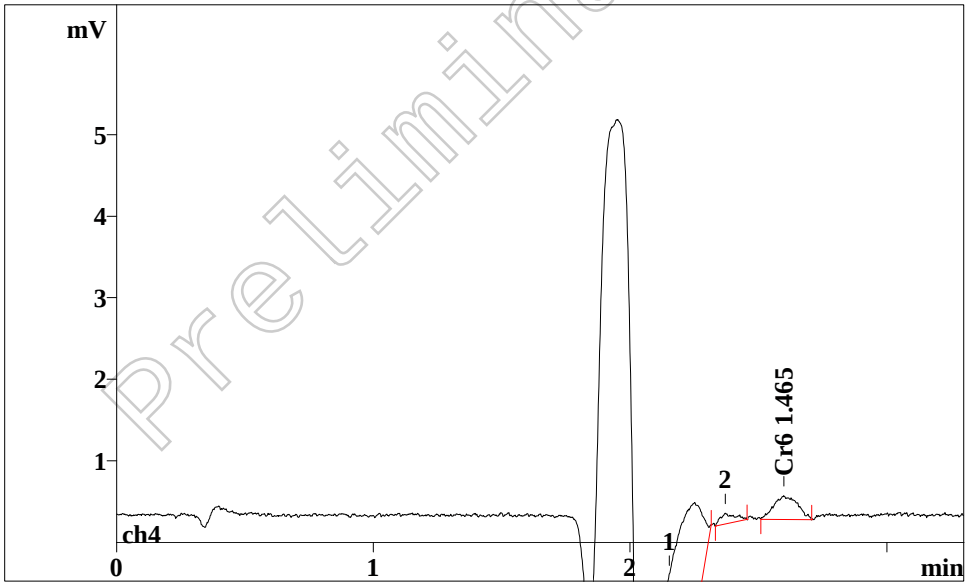
SAMPLE: 100ul loop
:
Vial number: 117
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.60;	0.111;	0.29;	9.88;	1.881;	6.96;	0.00;	0.00;	36

Report date: 11/17/2009 11:26:32 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20681/2-A@25
Analysis from: 10/28/2009 7:36:45 AM
File: ta280736.chw Last save: 11/17/2009 11:14:45 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20517

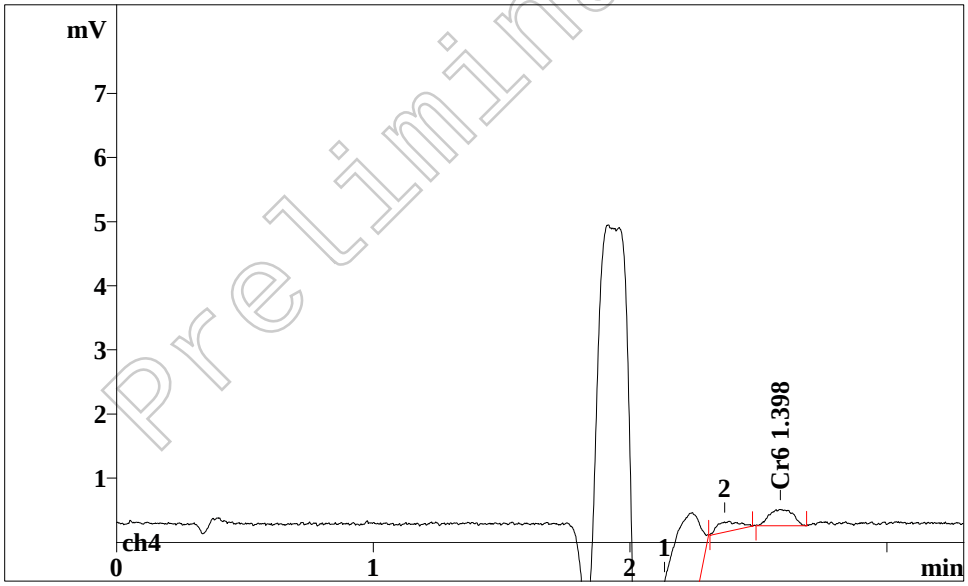
SAMPLE: 100ul loop
:
Vial number: 118
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 5.2 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.59;	0.112;	0.25;	8.01;	1.652;	5.59;	0.00;	0.00;	35

Report date: 11/17/2009 11:26:36 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20681/2-A@25
Analysis from: 10/28/2009 7:44:02 AM
File: ta280744.chw Last save: 11/17/2009 11:14:45 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20518

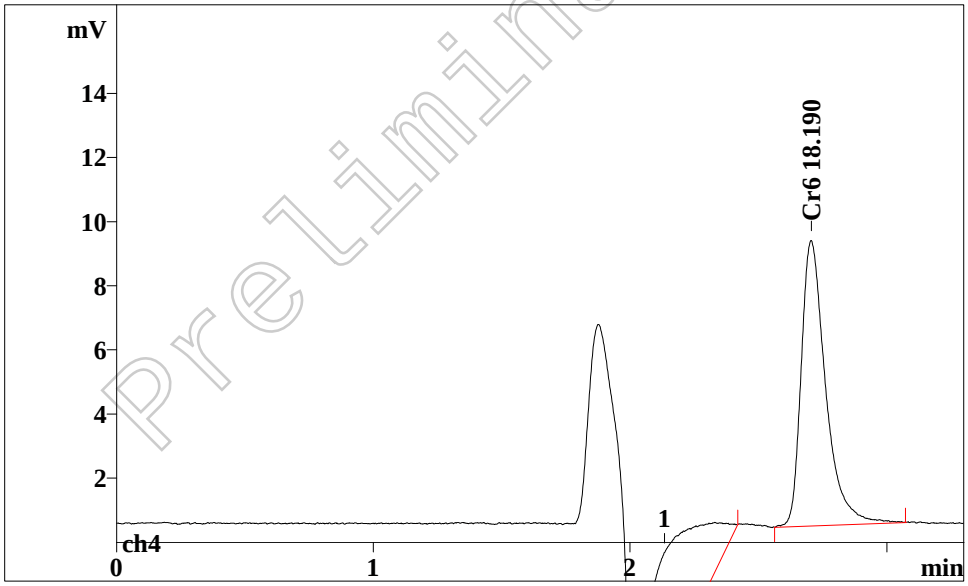
SAMPLE: 100ul loop
:
Vial number: 119
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.096;	8.90;	69.74;	58.949;	51.97;	0.00;	0.00;	37

Report date: 11/17/2009 11:26:40 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20681/3-A@500
Analysis from: 10/28/2009 7:51:15 AM
File: ta280751.chw Last save: 11/17/2009 11:14:46 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20519

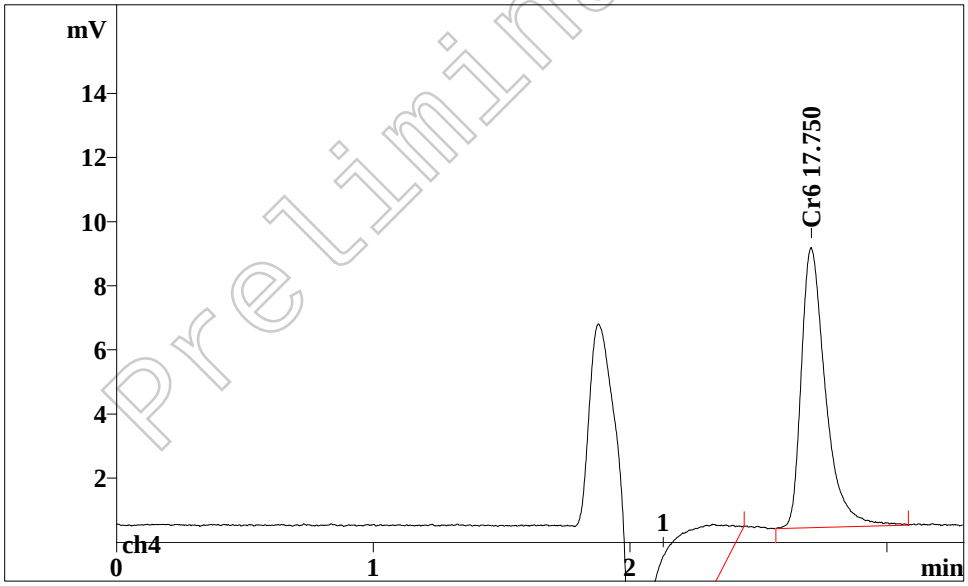
SAMPLE: 100ul loop
:
Vial number: 120
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.096;	8.72;	68.74;	57.449;	49.20;	0.00;	0.00;	38

Report date: 11/17/2009 11:26:44 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20681/3-A@500
Analysis from: 10/28/2009 7:58:31 AM
File: ta280758.chw Last save: 11/17/2009 11:14:46 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20520

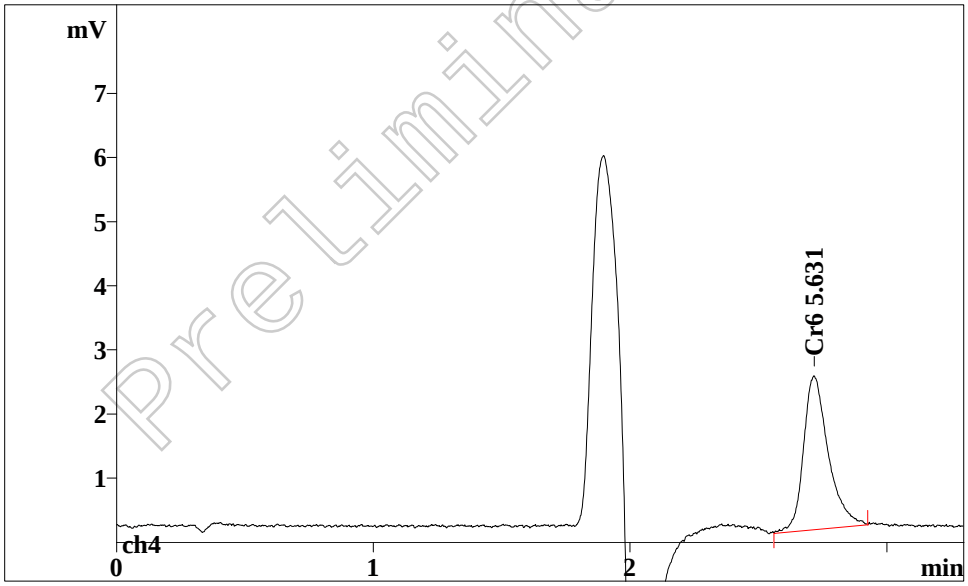
SAMPLE: 100ul loop
:
Vial number: 121
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.098;	2.39;	99.66;	16.094;	100.00;	0.00;	0.00;	37

Report date: 11/17/2009 11:26:49 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-11-A@2
Analysis from: 10/28/2009 8:11:37 AM
File: ta280811.chw Last save: 11/17/2009 11:14:46 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20521

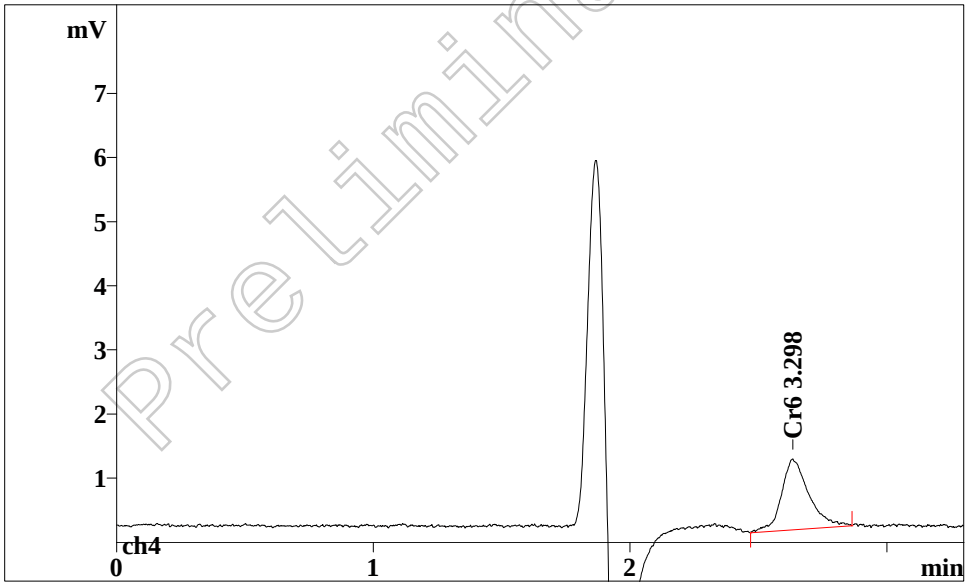
SAMPLE: 100ul loop
:
Vial number: 122
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.63;	0.105;	1.10;	99.49;	8.135;	100.00;	0.00;	0.00;	28

Report date: 11/17/2009 11:26:53 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-11-A@2
Analysis from: 10/28/2009 8:18:55 AM
File: ta280818.chw Last save: 11/17/2009 11:14:46 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20522

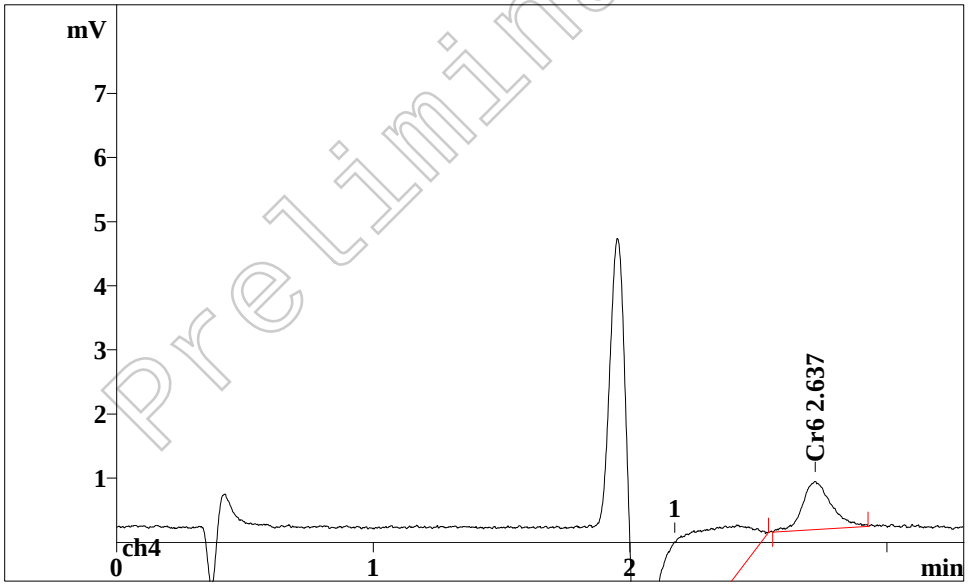
SAMPLE: 100ul loop
:
Vial number: 123
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.115;	0.75;	29.49;	5.877;	15.91;	0.00;	0.00;	27

Report date: 11/17/2009 11:26:57 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-11-B DU@2
Analysis from: 10/28/2009 8:26:12 AM
File: ta280826.chw Last save: 11/17/2009 11:14:46 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20523

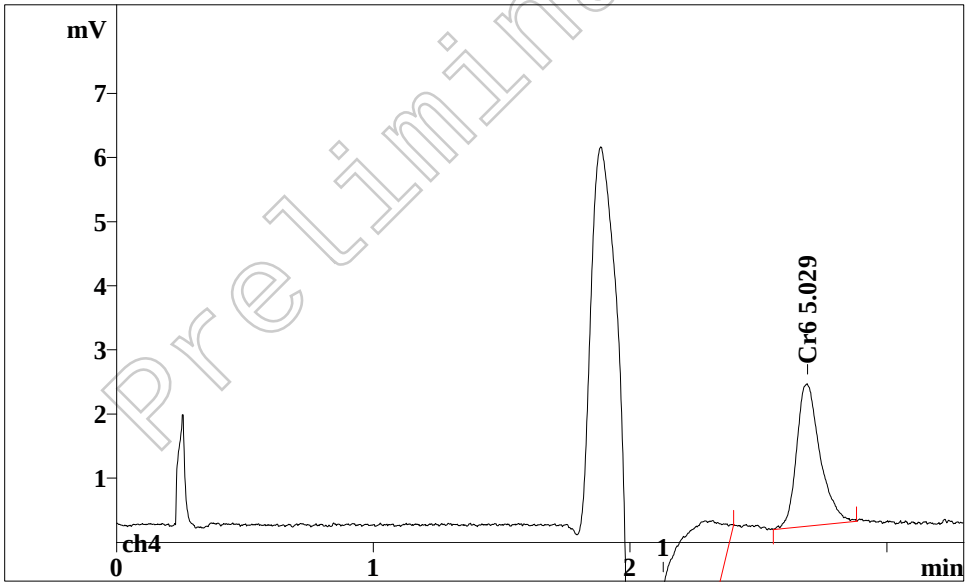
SAMPLE: 100ul loop
:
Vial number: 124
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.093;	2.22;	37.83;	14.041;	22.10;	0.00;	0.00;	40

Report date: 11/17/2009 11:27:00 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-11-B DU@2
Analysis from: 10/28/2009 8:33:32 AM
File: ta280833.chw Last save: 11/17/2009 11:14:46 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20524

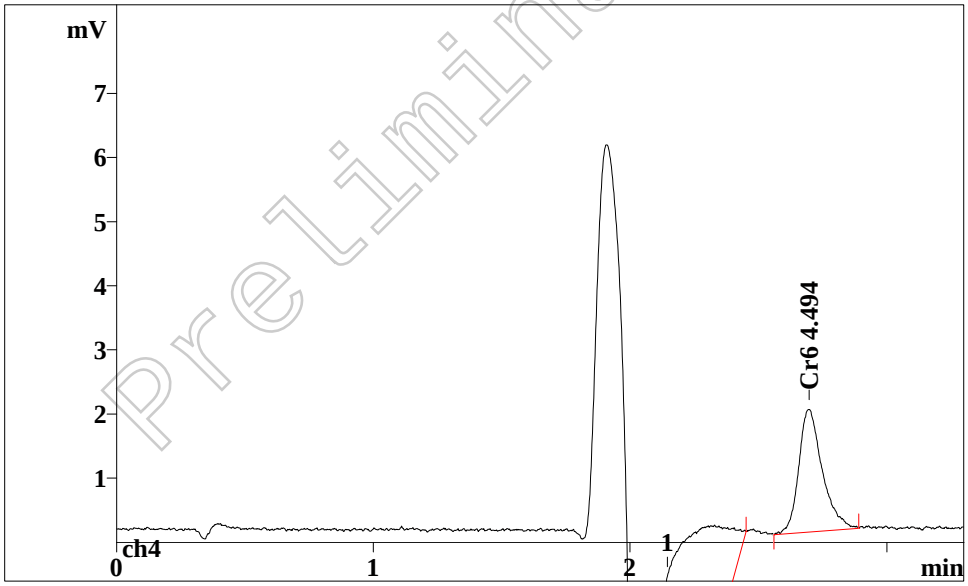
SAMPLE: 100ul loop
:
Vial number: 125
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 5.2 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.093;	1.92;	33.54;	12.217;	17.72;	0.00;	0.00;	40

Report date: 11/17/2009 11:27:05 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 10/28/2009 8:40:51 AM
File: ta280840.chw Last save: 11/17/2009 11:14:46 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20525

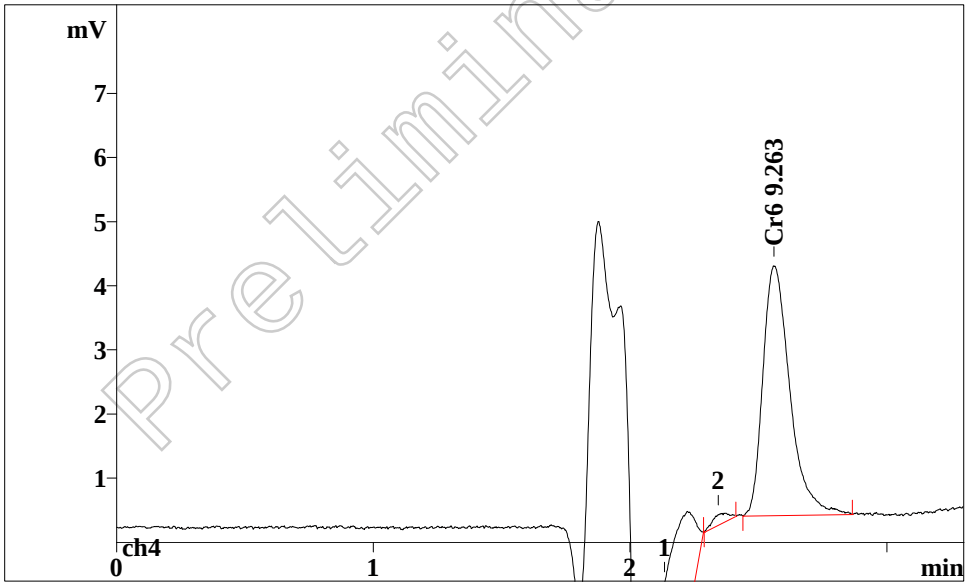
SAMPLE: 100ul loop
:
Vial number: 126
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.56;	0.109;	3.89;	58.28;	28.487;	53.28;	0.00;	0.00;	27

Report date: 11/24/2009 10:34:43 AM
Printed by: TestAmerica - Edison

Ident: 0 ppb
Analysis from: 10/28/2009 10:36:27 AM
File: ta281036.chw Last save: 10/28/2009 11:23:22 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20527

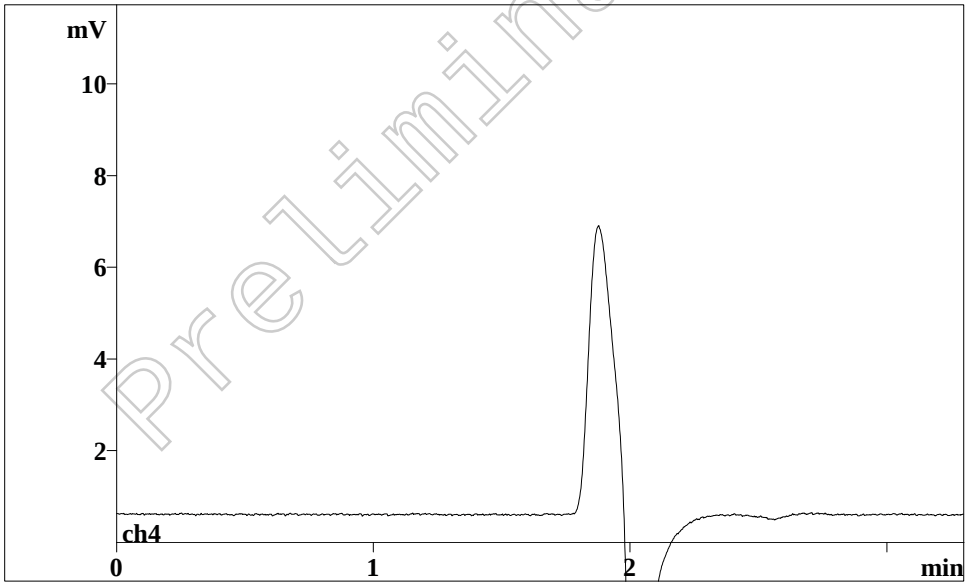
SAMPLE: 100ul loop
:
Vial number: 1
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No peaks

Report date: 11/24/2009 10:34:56 AM
Printed by: TestAmerica - Edison

Ident: 5 ppb
Analysis from: 10/28/2009 10:43:42 AM
File: ta281043.chw Last save: 10/28/2009 11:23:22 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20528

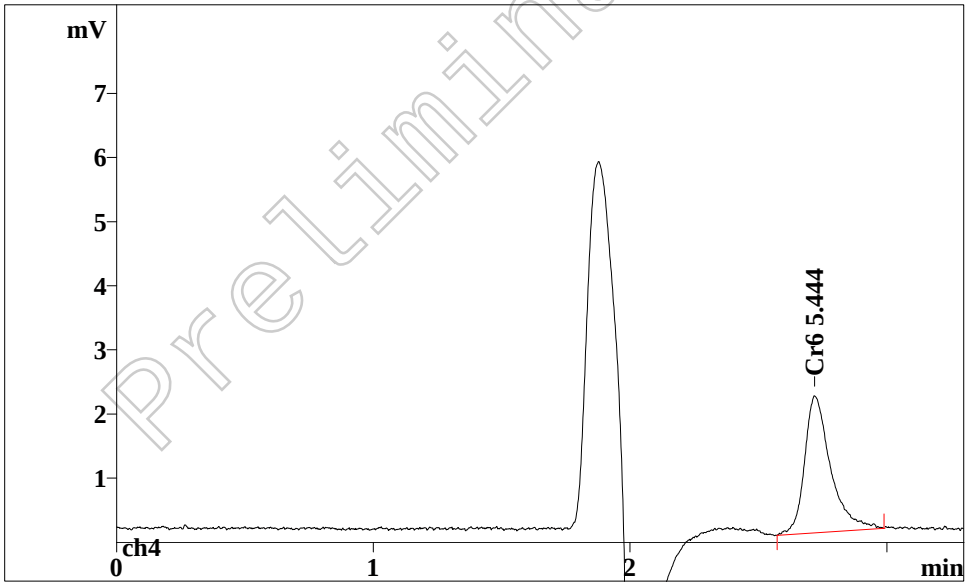
SAMPLE: 100ul loop
:
Vial number: 2
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.099;	2.13;	99.88;	15.081;	100.00;	0.00;	0.00;	33

Report date: 11/24/2009 10:35:00 AM
Printed by: TestAmerica - Edison

Ident: 10 ppb
Analysis from: 10/28/2009 10:50:56 AM
File: ta281050.chw Last save: 10/28/2009 11:23:22 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20529

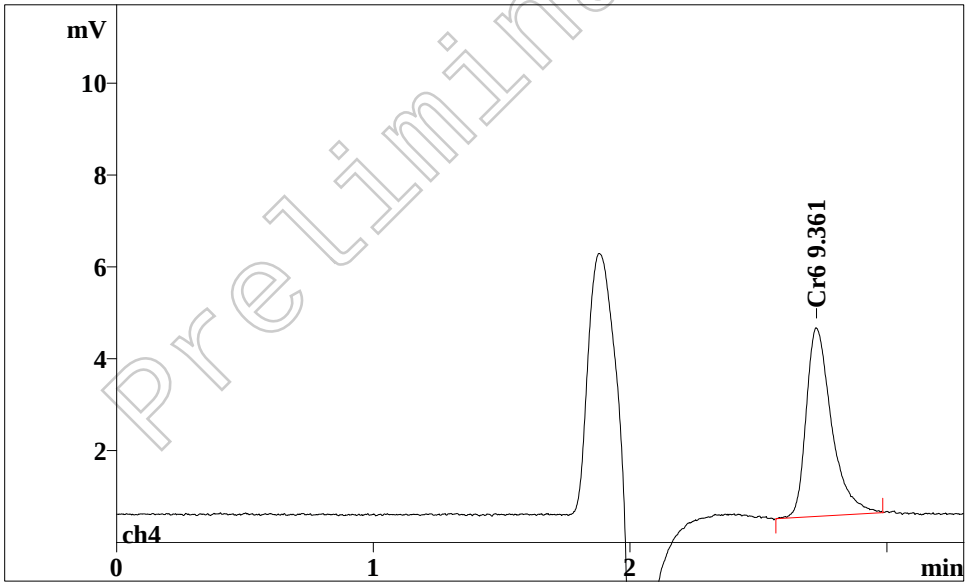
SAMPLE: 100ul loop
:
Vial number: 3
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.100;	4.11;	99.93;	28.316;	100.00;	0.00;	0.00;	35

Report date: 11/24/2009 10:35:03 AM
Printed by: TestAmerica - Edison

Ident: 25 ppb
Analysis from: 10/28/2009 10:58:12 AM
File: ta281058.chw Last save: 10/28/2009 11:23:22 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20530

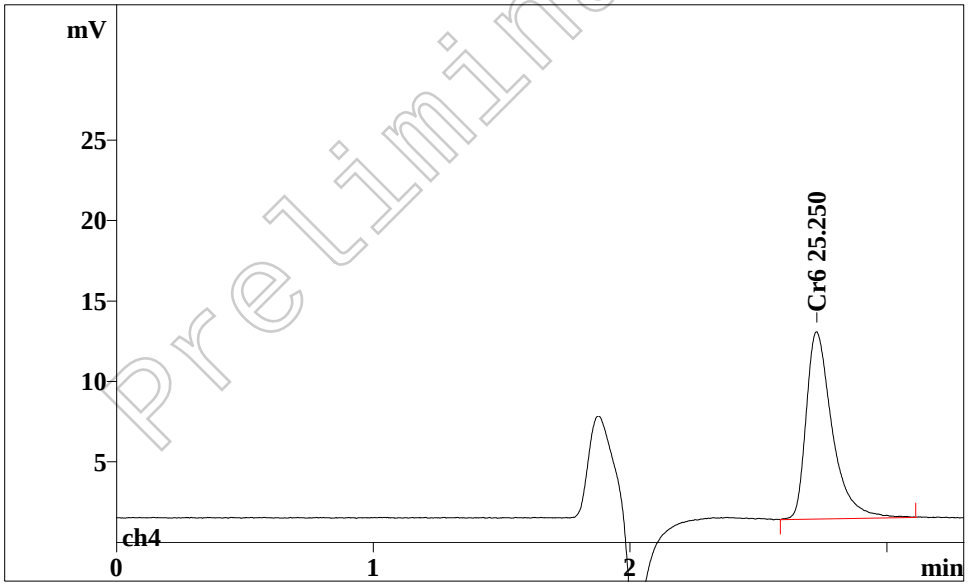
SAMPLE: 100ul loop
:
Vial number: 4
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.102;	11.65;	100.03;	82.015;	100.00;	0.00;	0.00;	33

Report date: 11/24/2009 10:35:07 AM
Printed by: TestAmerica - Edison

Ident: 50 ppb
Analysis from: 10/28/2009 11:05:28 AM
File: ta281105.chw Last save: 10/28/2009 11:23:44 AM

Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20531

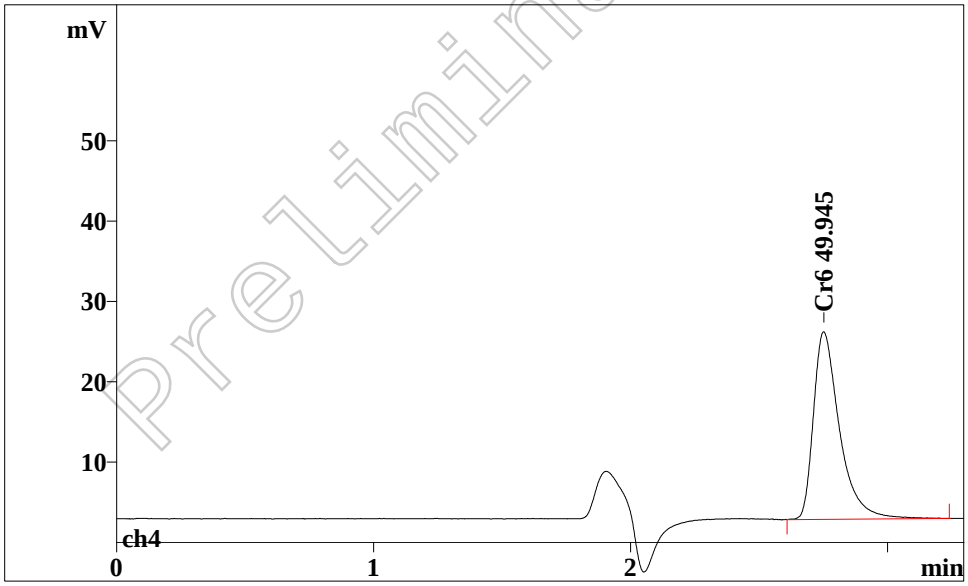
SAMPLE: 100ul loop
:
Vial number: 5
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

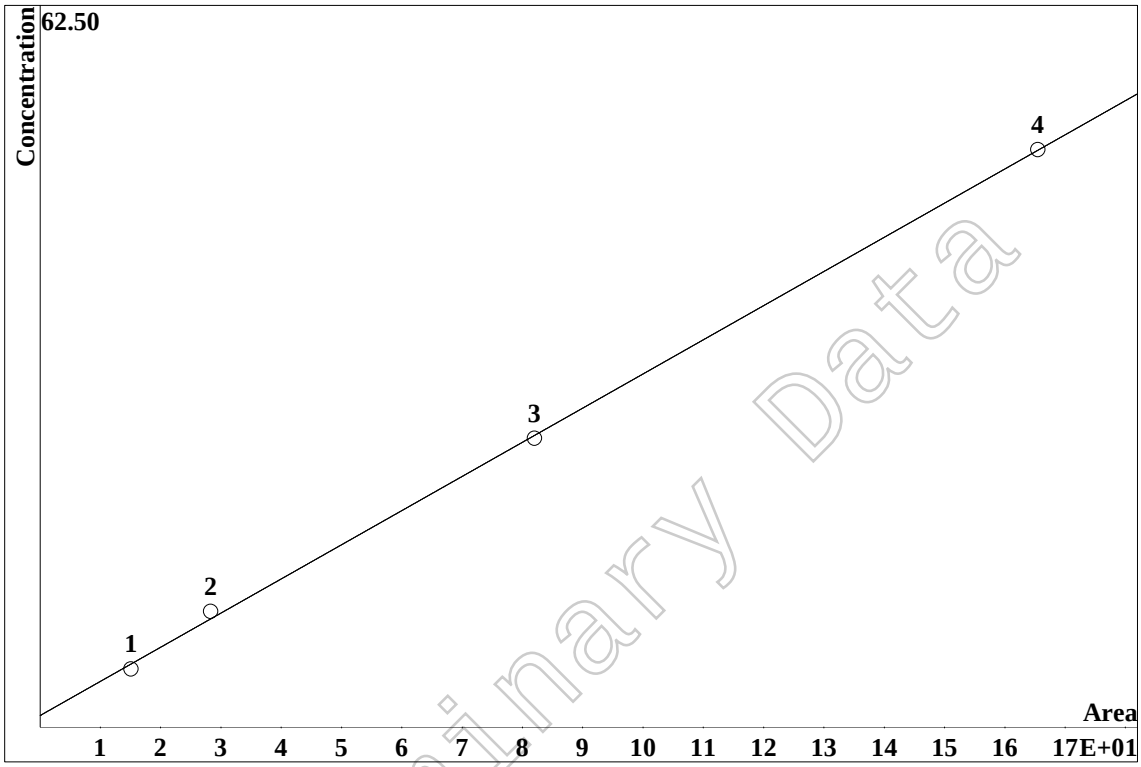
Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.75;	0.103;	23.39;	100.02;	165.472;	100.00;	0.00;	0.00;	34

CALIBRATION OF COMPONENT Cr6

Method: stl_hexchrome_soil.mtw
Equation: Q = 0.2959·A + 0.981914
RSD: 2.576 %
Correlation coefficient: 0.999726



Preliminary Data

K3 = 0 K2 = 0 K1 = 0.2959 K0 = 0.981914
Base: Area
Ref.channel: ch4
ISTD:
Formula: Linear
Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1;	2.137;	15.08;	5;	1;	2.72;	Yes;	ta281043.chw
2;	4.115;	28.32;	10;	1;	2.72;	Yes;	ta281050.chw
3;	11.64;	82.01;	25;	1;	2.72;	Yes;	ta281058.chw
4;	23.38;	165.5;	50;	1;	2.72;	Yes;	ta281105.chw

Report date: 11/24/2009 10:36:14 AM
Printed by: TestAmerica - Edison

Ident: ICV
Analysis from: 10/28/2009 11:17:11 AM
File: ta281117.chw Last save: 10/28/2009 11:23:22 AM
Modified!
Method: stl_hexchrome_soil.mtw Last save: 10/27/2009 5:35:0
Run operator: TestAmerica - Edison
Analysis number: 20532

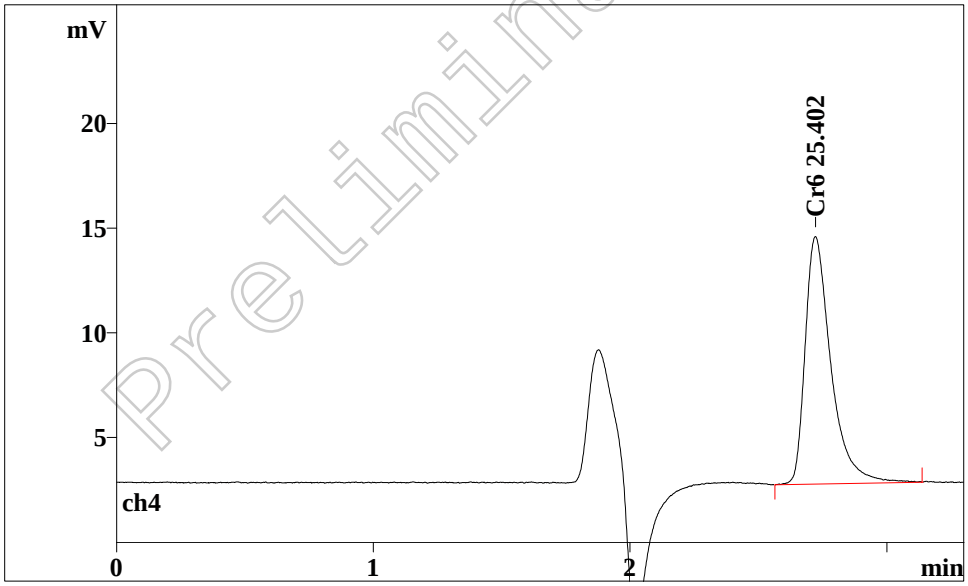
SAMPLE: 100ul loop
:
Vial number: 6
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.101;	11.82;	99.95;	82.529;	100.00;	0.00;	0.00;	34

Report date: 11/24/2009 10:36:22 AM
Printed by: TestAmerica - Edison

Ident: ICB
Analysis from: 10/28/2009 11:24:28 AM
File: ta281124.chw Last save: 10/28/2009 11:27:46 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:08:
Run operator: TestAmerica - Edison
Analysis number: 20533

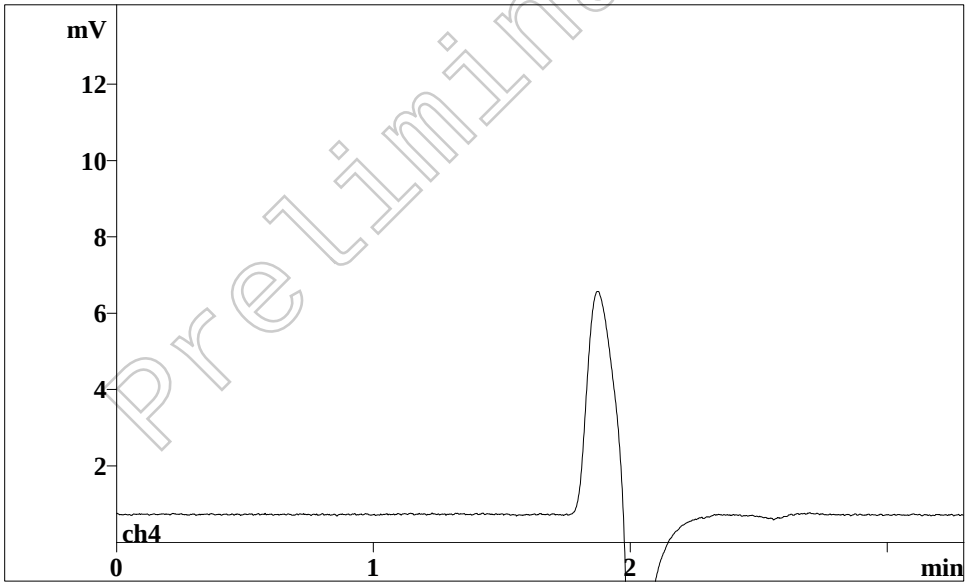
SAMPLE: 100ul loop
:
Vial number: 7
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No peaks

Report date: 11/24/2009 10:36:26 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20674/1-A@2
Analysis from: 10/28/2009 11:31:46 AM
File: ta281131.chw Last save: 10/28/2009 11:35:04 AM

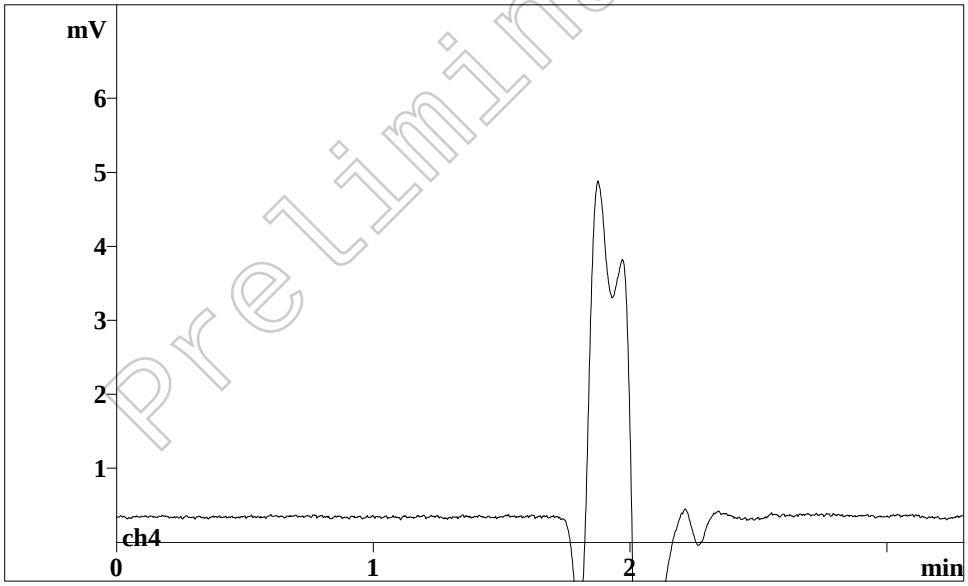
Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20534

SAMPLE: 100ul loop
:
Vial number: 8
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No peaks

Preliminary Data

Report date: 11/24/2009 10:36:31 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20674/1-A@2
Analysis from: 10/28/2009 11:39:04 AM
File: ta281139.chw Last save: 10/28/2009 11:42:22 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20535

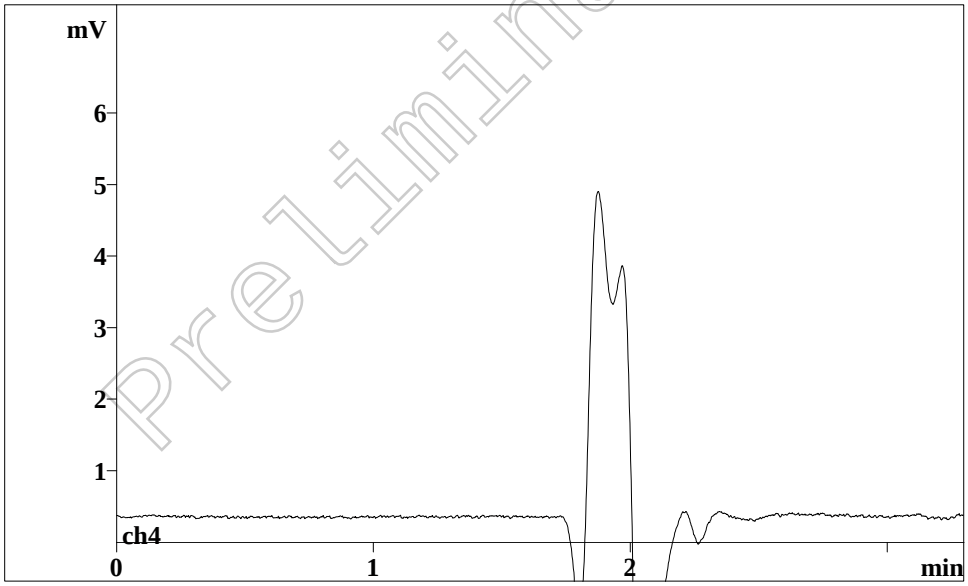
SAMPLE: 100ul loop
:
Vial number: 9
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No peaks

Report date: 11/24/2009 10:36:35 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20674/2-A@25
Analysis from: 10/28/2009 11:46:23 AM
File: ta281146.chw Last save: 10/28/2009 11:49:42 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20536

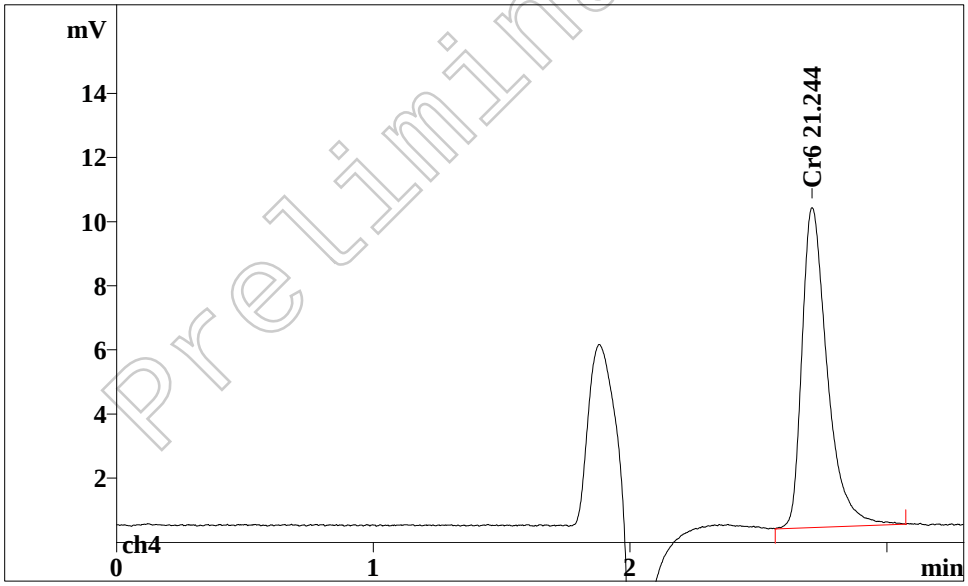
SAMPLE: 100ul loop
:
Vial number: 10
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.101;	9.98;	100.07;	68.476;	100.00;	0.00;	0.00;	35

Report date: 11/24/2009 10:36:40 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20674/2-A@25
Analysis from: 10/28/2009 11:53:44 AM
File: ta281153.chw Last save: 10/28/2009 11:57:02 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20537

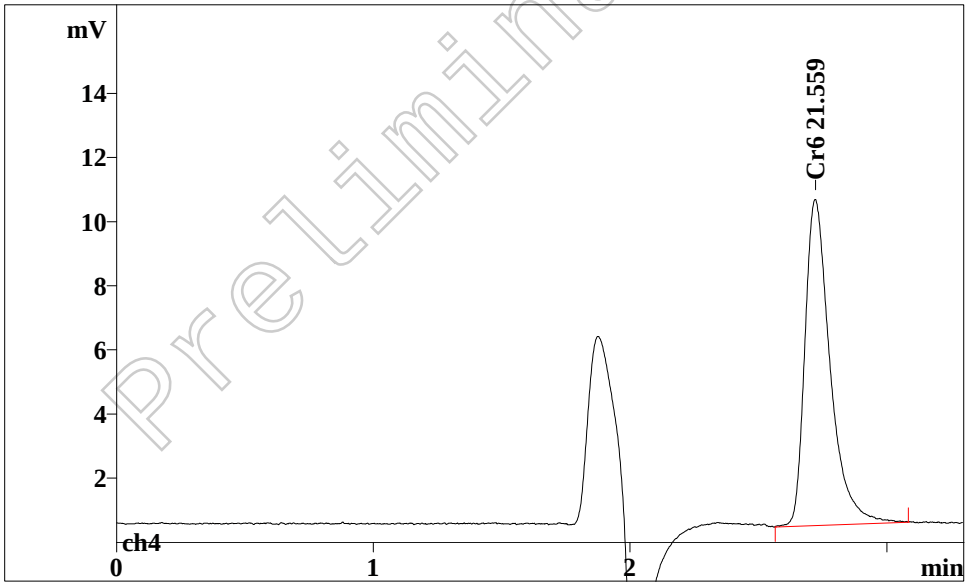
SAMPLE: 100ul loop
:
Vial number: 11
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.100;	10.17;	100.02;	69.541;	100.00;	0.00;	0.00;	35

Report date: 11/24/2009 10:36:43 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20674/3-A@500
Analysis from: 10/28/2009 12:01:08 PM
File: ta281201.chw Last save: 10/28/2009 12:04:27 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20538

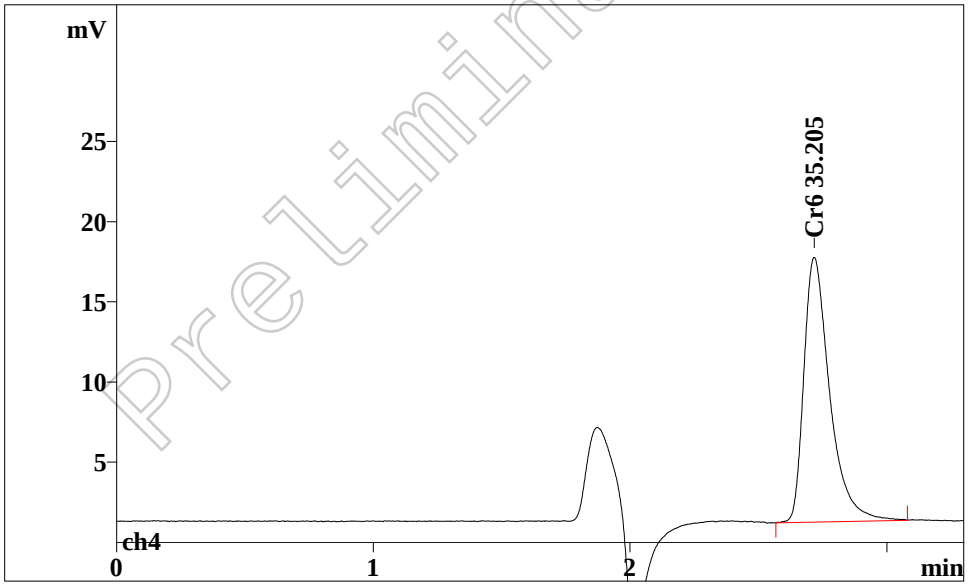
SAMPLE: 100ul loop
:
Vial number: 12
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.102;	16.53;	100.03;	115.658;	100.00;	0.00;	0.00;	34

Report date: 11/24/2009 10:36:46 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20674/3-A@500
Analysis from: 10/28/2009 12:08:30 PM
File: ta281208.chw Last save: 10/28/2009 12:11:48 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20539

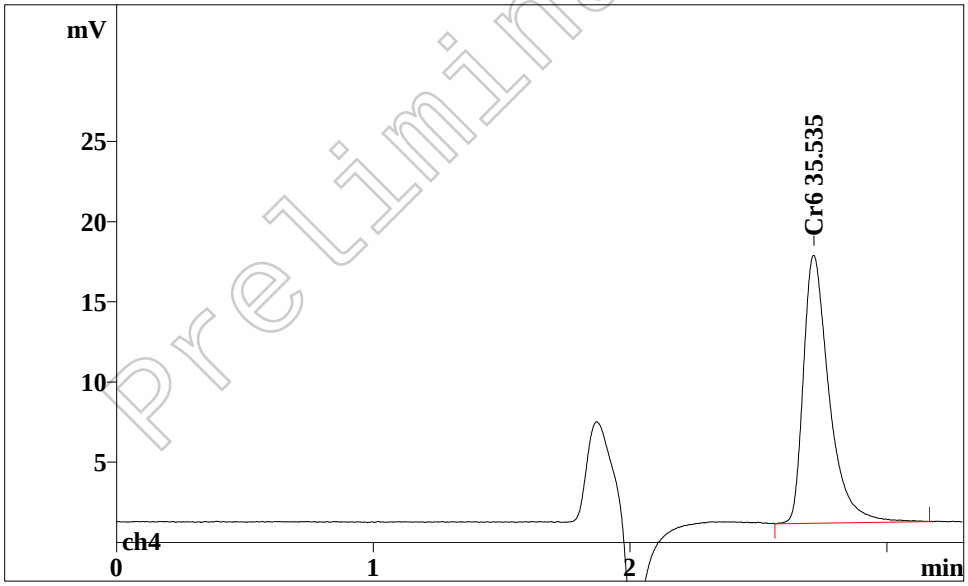
SAMPLE: 100ul loop
:
Vial number: 13
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.101;	16.73;	99.99;	116.774;	100.00;	0.00;	0.00;	34

Report date: 11/24/2009 10:36:51 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-1-A@5
Analysis from: 10/28/2009 12:15:53 PM
File: ta281215.chw Last save: 10/28/2009 12:19:12 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20540

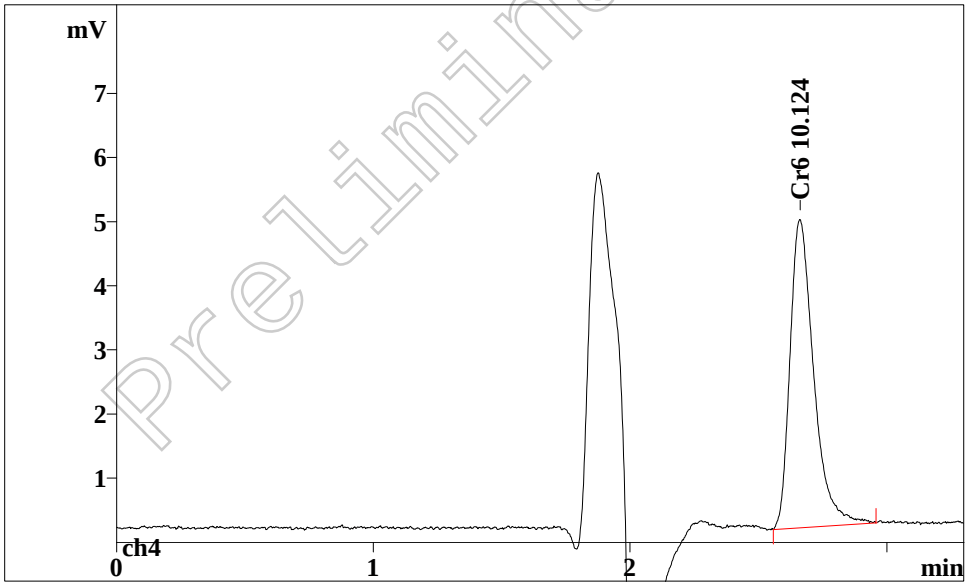
SAMPLE: 100ul loop
:
Vial number: 14
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.66;	0.096;	4.81;	99.97;	30.896;	100.00;	0.00;	0.00;	38

Report date: 11/24/2009 10:36:56 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-1-A@5
Analysis from: 10/28/2009 12:23:29 PM
File: ta281223.chw Last save: 10/28/2009 12:26:47 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20541

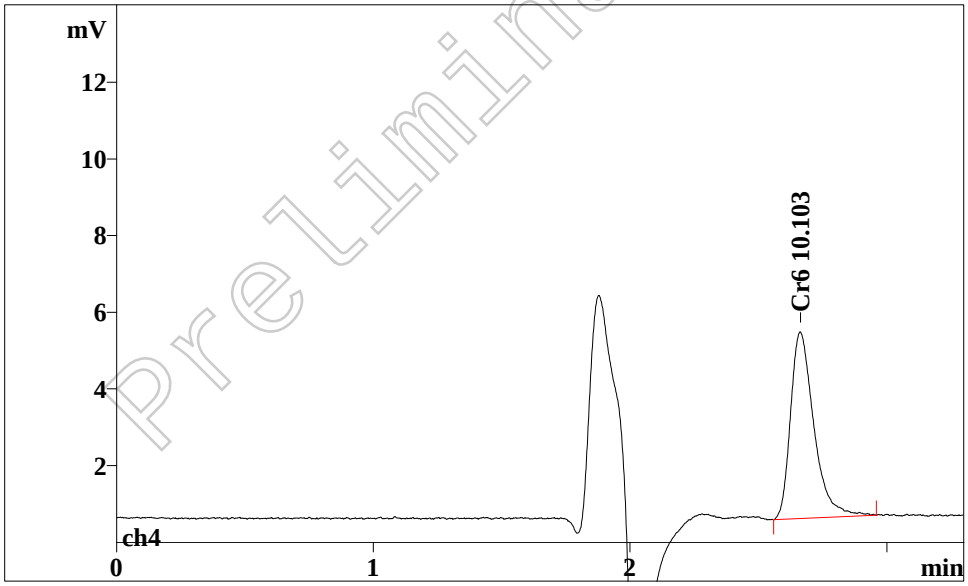
SAMPLE: 100ul loop
:
Vial number: 15
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.66;	0.094;	4.87;	99.95;	30.824;	100.00;	0.00;	0.00;	40

Report date: 11/24/2009 10:37:00 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-1-B DU@5
Analysis from: 10/28/2009 12:33:04 PM
File: ta281233.chw Last save: 10/28/2009 12:36:22 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20542

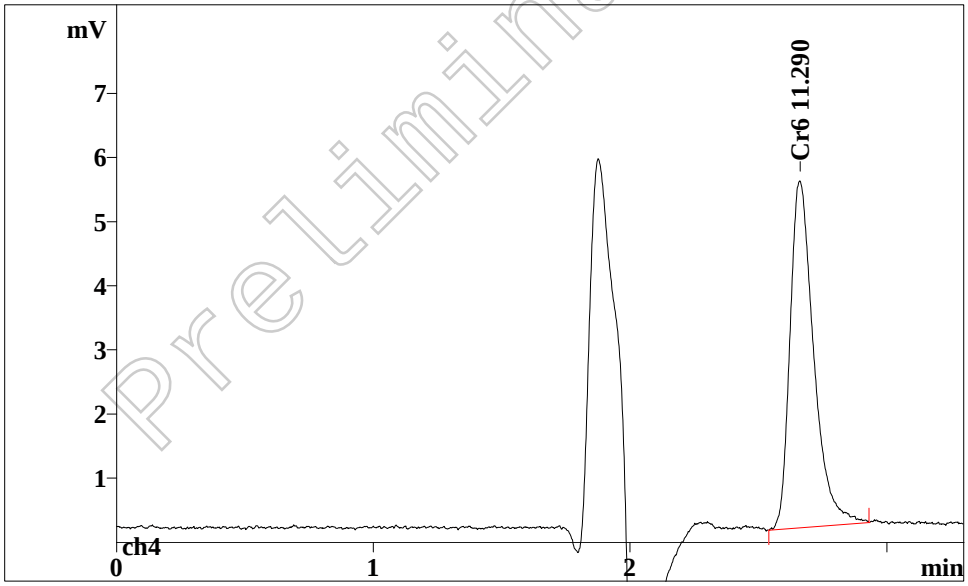
SAMPLE: 100ul loop
:
Vial number: 16
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.66;	0.096;	5.41;	99.86;	34.836;	100.00;	0.00;	0.00;	38

Report date: 11/24/2009 10:37:07 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-1-B DU@5
Analysis from: 10/28/2009 12:43:37 PM
File: ta281243.chw Last save: 10/28/2009 12:46:55 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20543

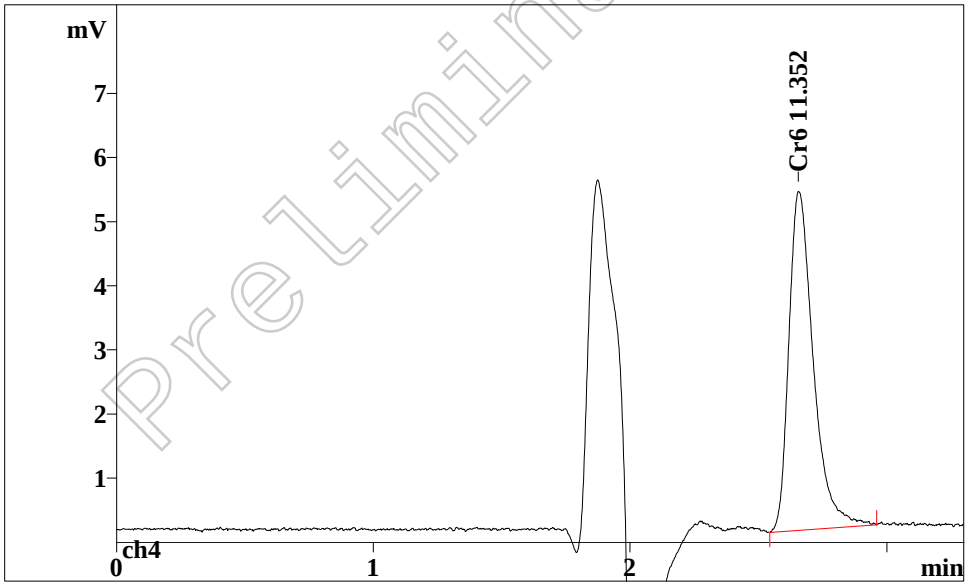
SAMPLE: 100ul loop
:
Vial number: 17
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.66;	0.098;	5.29;	99.90;	35.046;	100.00;	0.00;	0.00;	36

Report date: 11/24/2009 10:37:11 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 10/28/2009 12:53:31 PM
File: ta281253.chw Last save: 10/28/2009 12:56:50 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20544

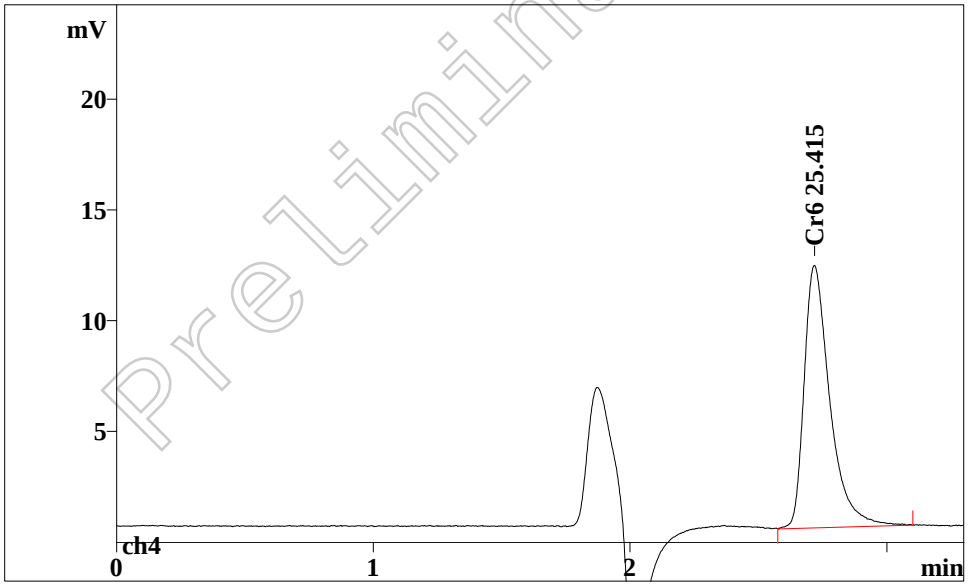
SAMPLE: 100ul loop
:
Vial number: 18
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.101;	11.85;	99.96;	82.573;	100.00;	0.00;	0.00;	34

Report date: 11/24/2009 10:37:18 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 10/28/2009 1:03:47 PM
File: ta281303.chw Last save: 10/28/2009 1:07:06 PM

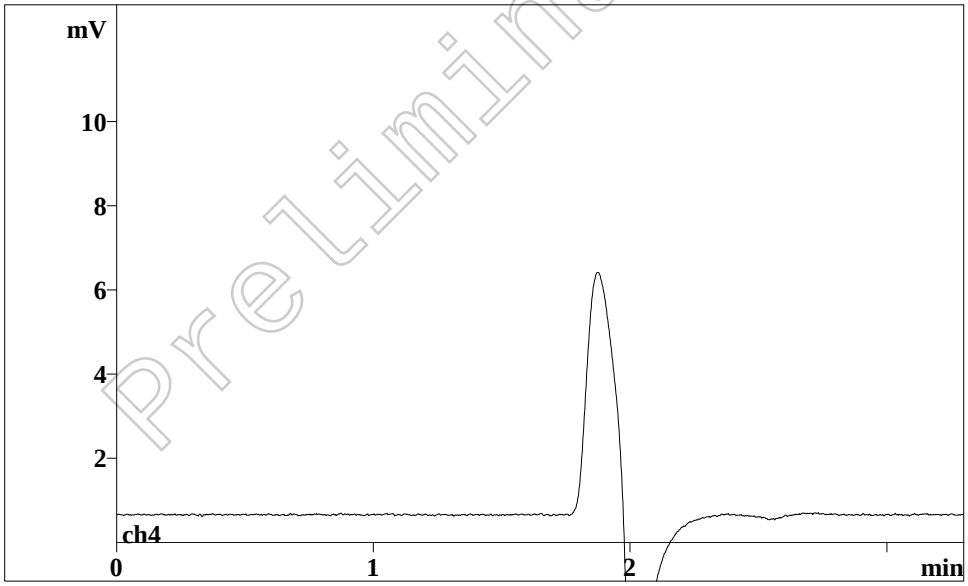
Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20545

SAMPLE: 100ul loop
:
Vial number: 19
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa



No peaks

Preliminary Data

Report date: 11/24/2009 10:37:21 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-1-C MS@40
Analysis from: 10/28/2009 1:11:12 PM
File: ta281311.chw Last save: 10/28/2009 1:14:30 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20546

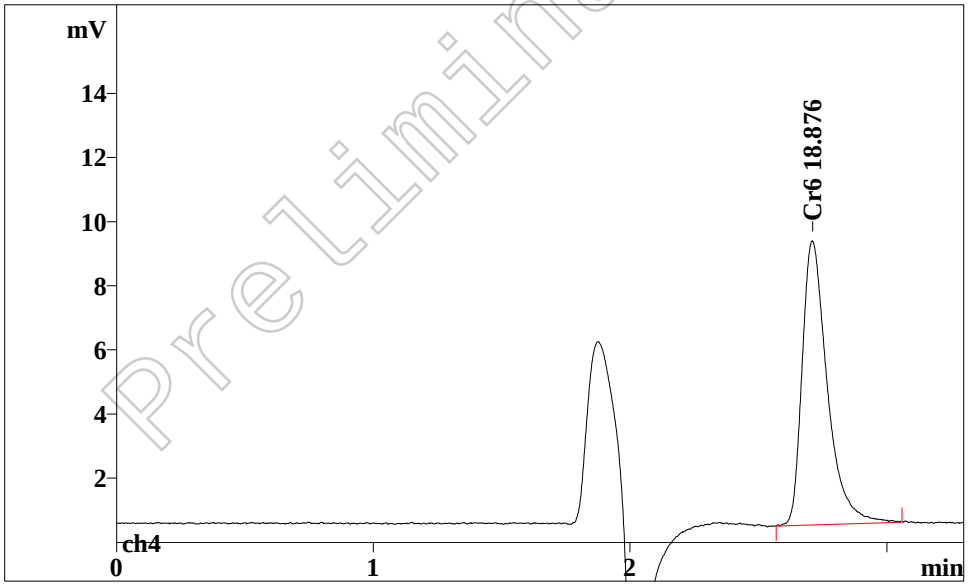
SAMPLE: 100ul loop
:
Vial number: 20
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.100;	8.86;	99.97;	60.472;	100.00;	0.00;	0.00;	35

Report date: 11/24/2009 10:37:27 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-1-C MS@40
Analysis from: 10/28/2009 1:18:37 PM
File: ta281318.chw Last save: 10/28/2009 1:21:55 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20547

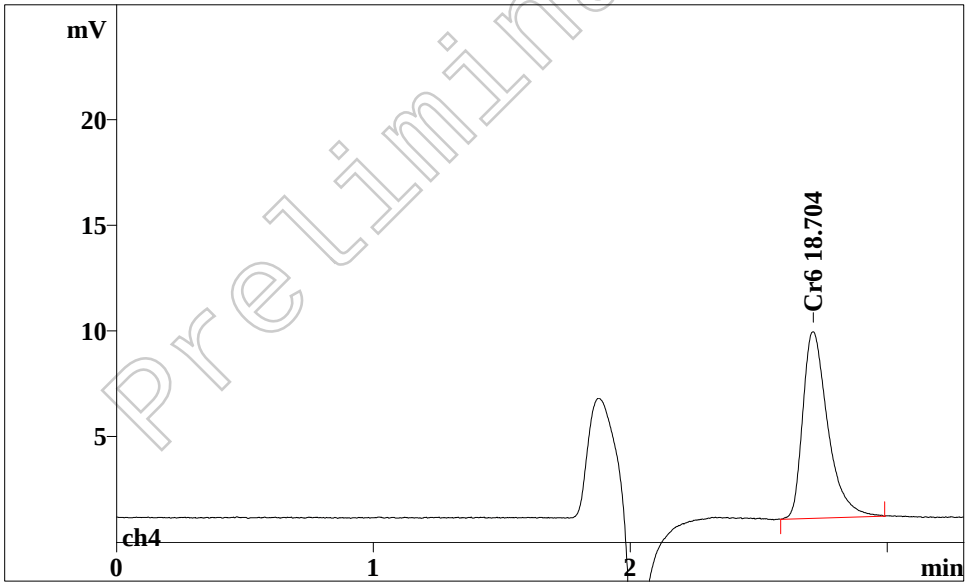
SAMPLE: 100ul loop
:
Vial number: 21
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.100;	8.84;	100.04;	59.891;	100.00;	0.00;	0.00;	36

Report date: 11/24/2009 10:37:32 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-1-D MSI@500
Analysis from: 10/28/2009 1:26:01 PM
File: ta281326.chw Last save: 10/28/2009 1:29:19 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20548

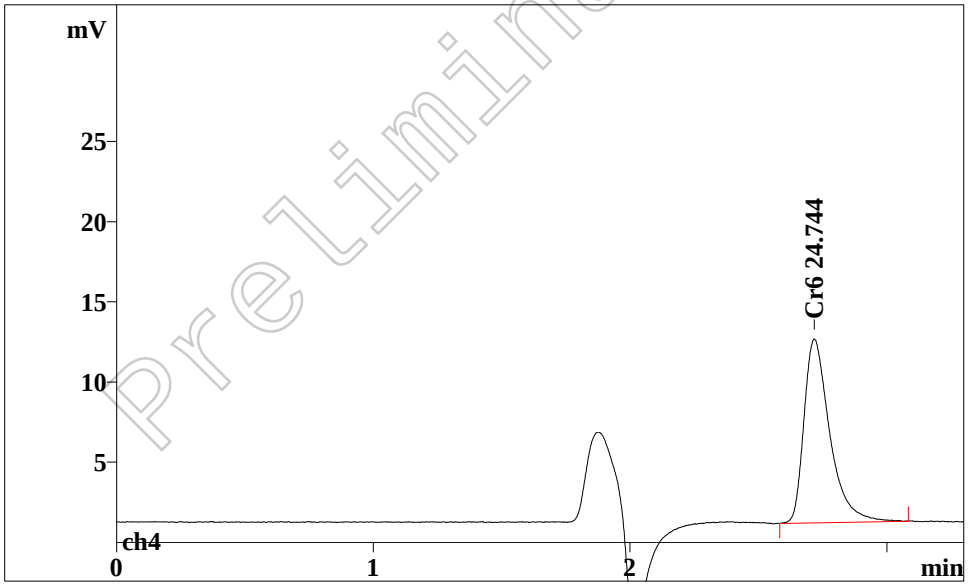
SAMPLE: 100ul loop
:
Vial number: 22
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.103;	11.47;	99.98;	80.304;	100.00;	0.00;	0.00;	34

Report date: 11/24/2009 10:37:36 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-1-D MSI@500
Analysis from: 10/28/2009 1:33:25 PM
File: ta281333.chw Last save: 10/28/2009 1:36:43 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20549

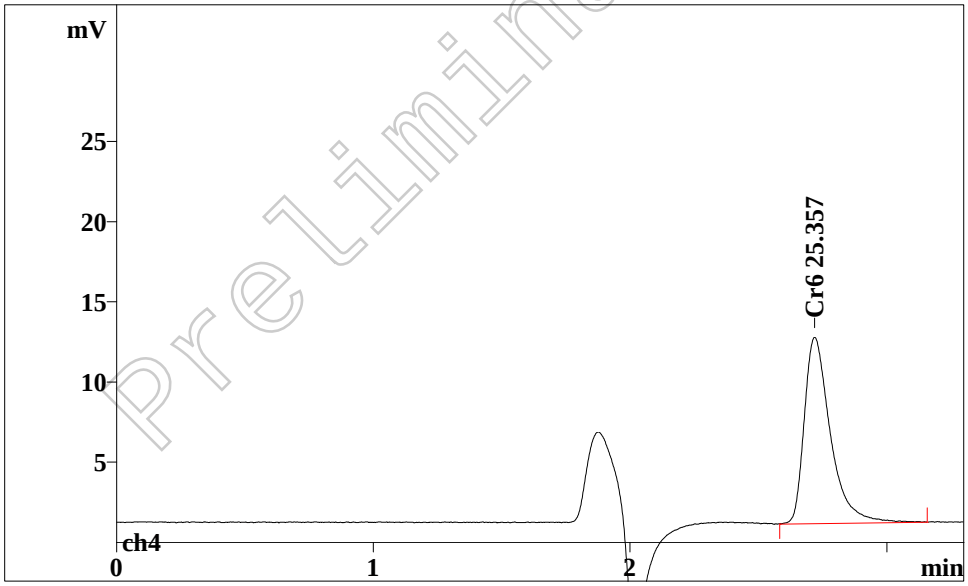
SAMPLE: 100ul loop
:
Vial number: 23
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.103;	11.63;	100.00;	82.375;	100.00;	0.00;	0.00;	33

Report date: 11/24/2009 10:37:41 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-1-A PDS@40
Analysis from: 10/28/2009 1:40:50 PM
File: ta281340.chw Last save: 10/28/2009 1:44:08 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20550

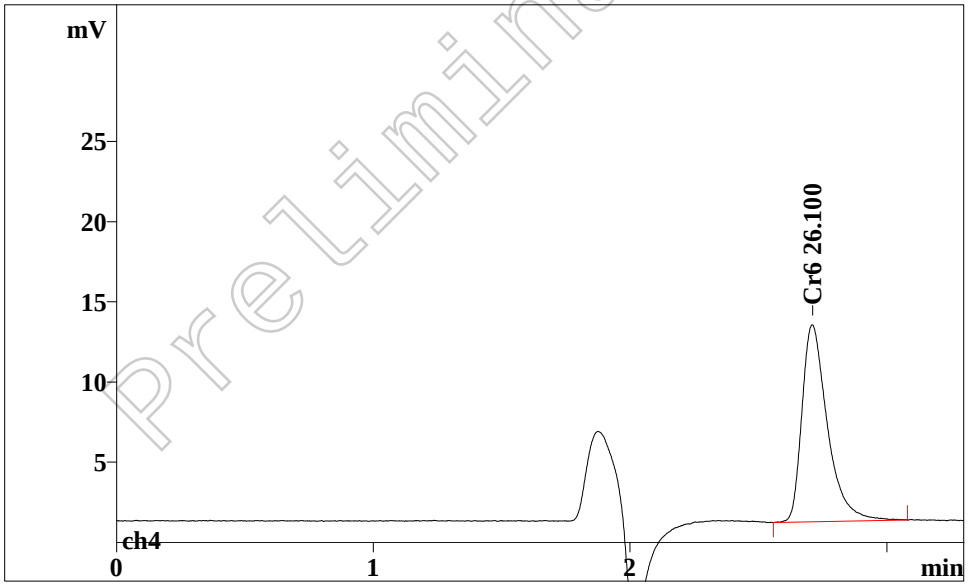
SAMPLE: 100ul loop
:
Vial number: 24
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.101;	12.29;	100.02;	84.887;	100.00;	0.00;	0.00;	34

Report date: 11/24/2009 10:37:45 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-1-A PDS@40
Analysis from: 10/28/2009 1:48:14 PM
File: ta281348.chw Last save: 10/28/2009 1:51:32 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20551

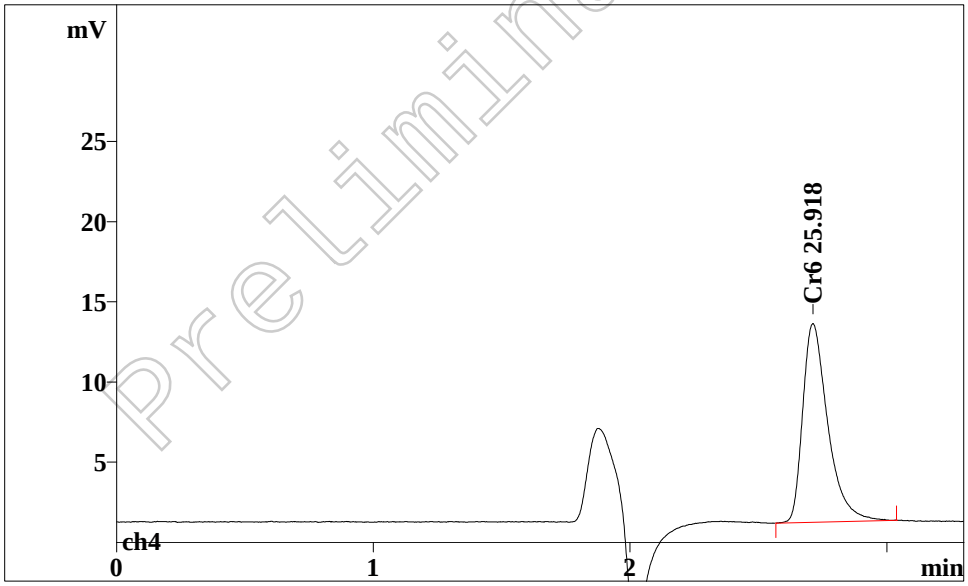
SAMPLE: 100ul loop
:
Vial number: 25
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.101;	12.40;	100.00;	84.273;	100.00;	0.00;	0.00;	36

Report date: 11/24/2009 10:37:50 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20676/1-A@2
Analysis from: 10/28/2009 1:55:38 PM
File: ta281355.chw Last save: 10/28/2009 1:58:56 PM

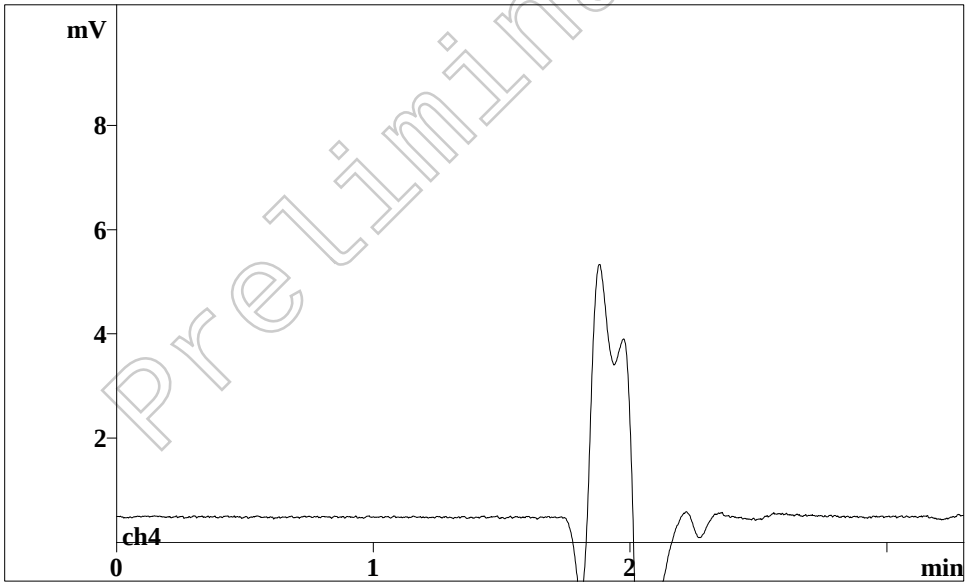
Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20552

SAMPLE: 100ul loop
:
Vial number: 26
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No peaks

Preliminary Data

Report date: 11/24/2009 10:37:54 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20676/1-A@2
Analysis from: 10/28/2009 2:03:03 PM
File: ta281403.chw Last save: 10/28/2009 2:06:21 PM

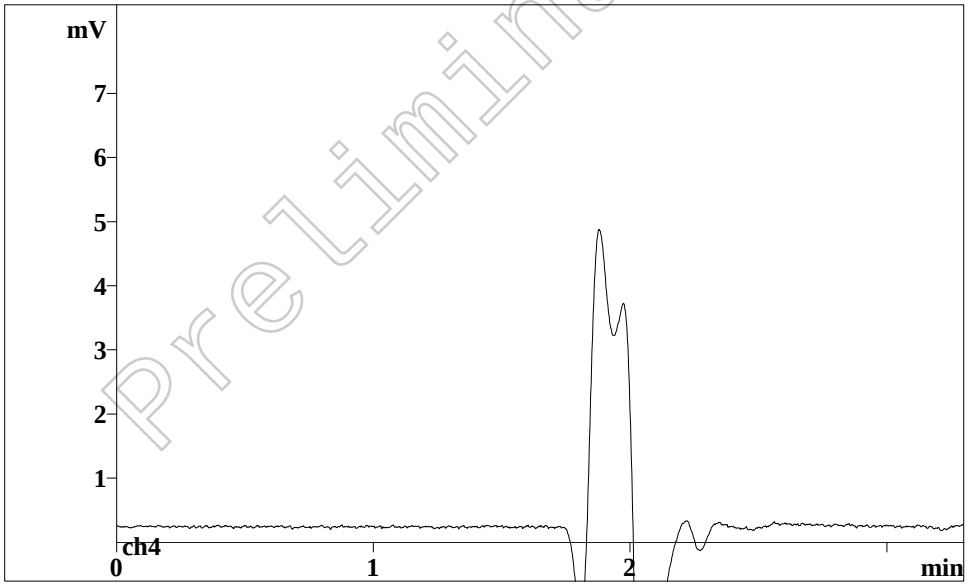
Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20553

SAMPLE: 100ul loop
:
Vial number: 27
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa



No peaks

Preliminary Data

Report date: 11/24/2009 10:37:58 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20676/2-A@25
Analysis from: 10/28/2009 2:10:26 PM
File: ta281410.chw Last save: 10/28/2009 2:13:44 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20554

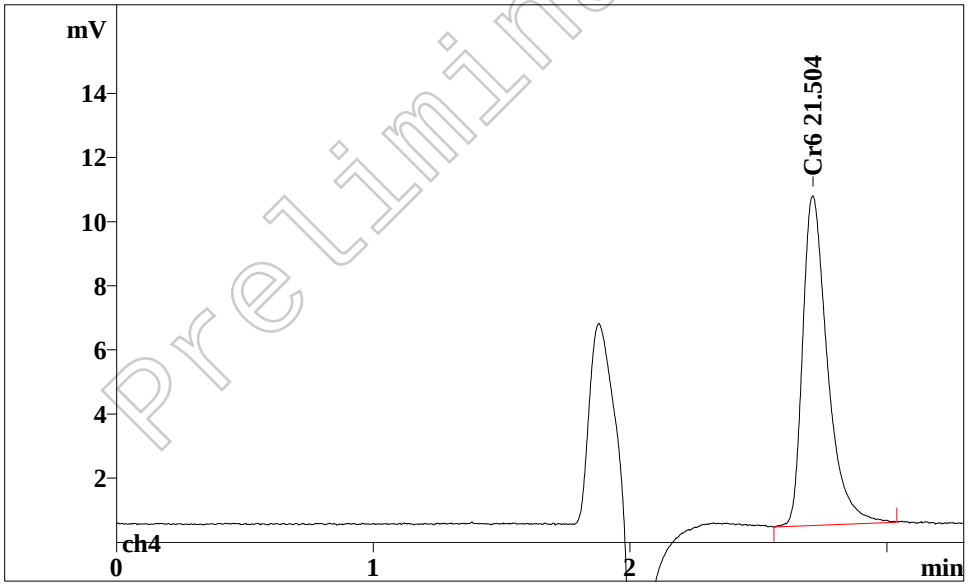
SAMPLE: 100ul loop
:
Vial number: 28
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.099;	10.28;	99.98;	69.354;	100.00;	0.00;	0.00;	36

Report date: 11/24/2009 10:38:01 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20676/2-A@25
Analysis from: 10/28/2009 2:17:49 PM
File: ta281417.chw Last save: 10/28/2009 2:21:07 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20555

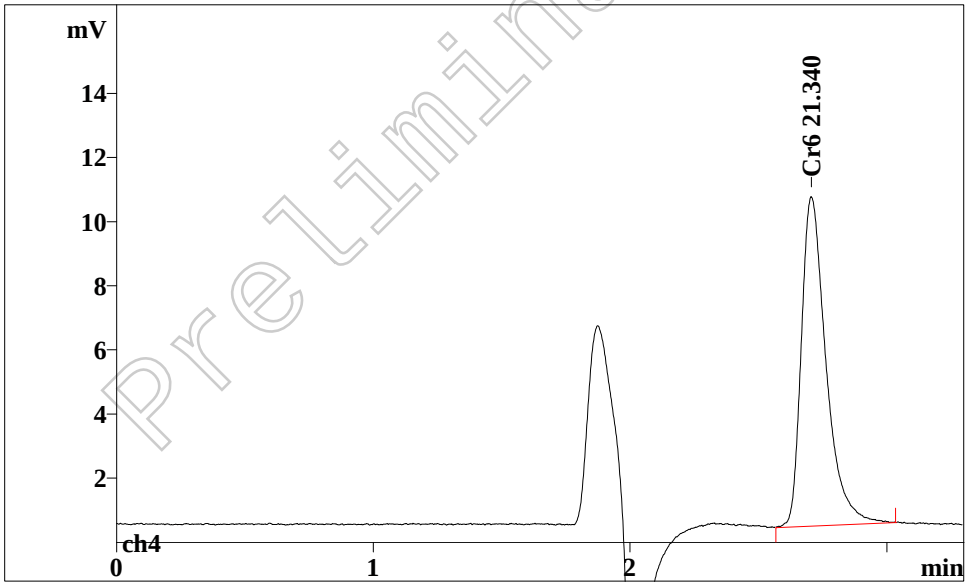
SAMPLE: 100ul loop
:
Vial number: 29
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.099;	10.27;	99.94;	68.799;	100.00;	0.00;	0.00;	36

Report date: 11/24/2009 10:38:06 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 10/28/2009 2:25:11 PM
File: ta281425.chw Last save: 10/28/2009 2:28:30 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20556

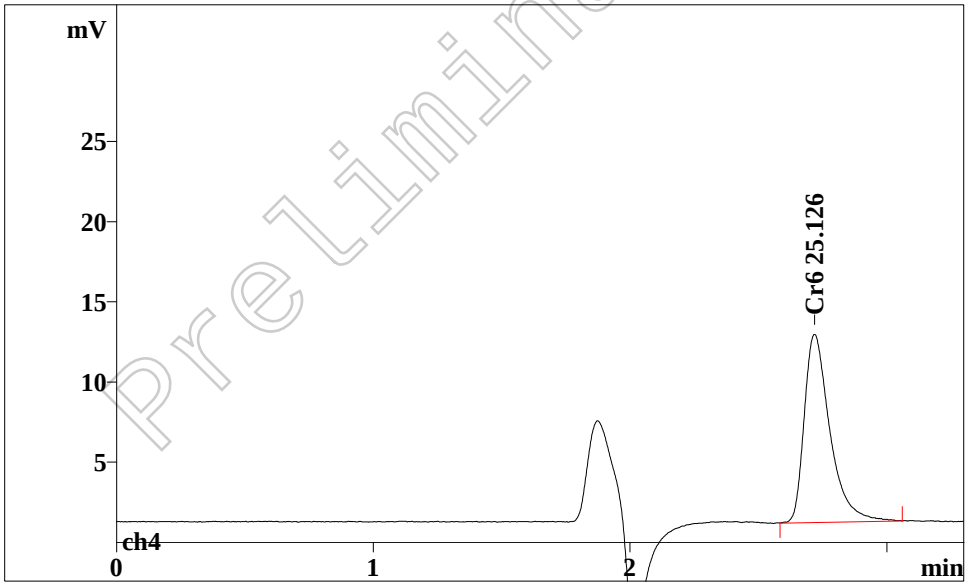
SAMPLE: 100ul loop
:
Vial number: 30
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.102;	11.75;	100.02;	81.596;	100.00;	0.00;	0.00;	34

Report date: 11/24/2009 10:38:12 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 10/28/2009 2:32:33 PM
File: ta281432.chw Last save: 10/28/2009 2:35:51 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20557

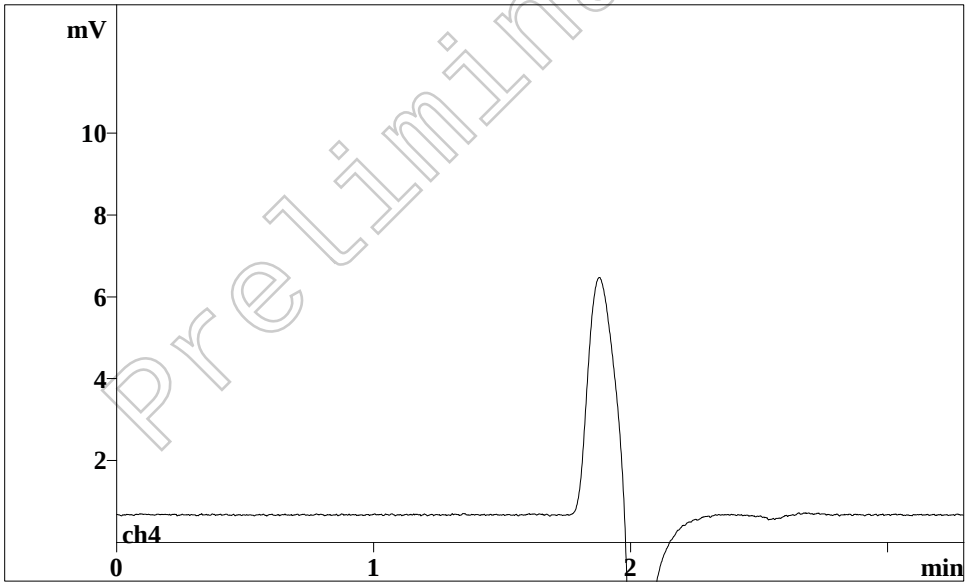
SAMPLE: 100ul loop
:
Vial number: 31
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No peaks

Report date: 11/24/2009 10:38:15 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20676/3-A@500
Analysis from: 10/28/2009 2:39:55 PM
File: ta281439.chw Last save: 10/28/2009 2:43:13 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20558

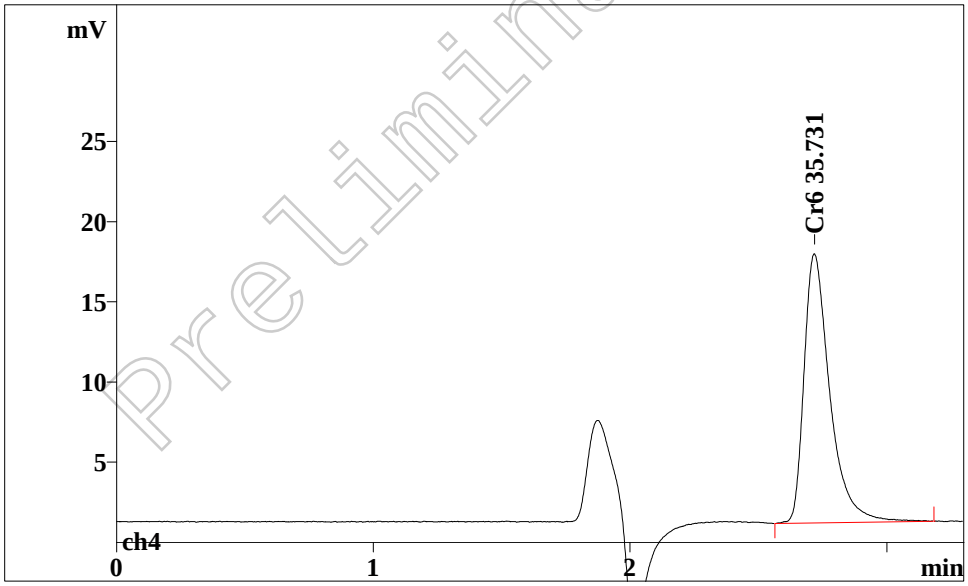
SAMPLE: 100ul loop
:
Vial number: 32
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.102;	16.79;	100.01;	117.436;	100.00;	0.00;	0.00;	34

Report date: 11/24/2009 10:38:18 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20676/3-A@500
Analysis from: 10/28/2009 2:47:15 PM
File: ta281447.chw Last save: 10/28/2009 2:50:33 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20559

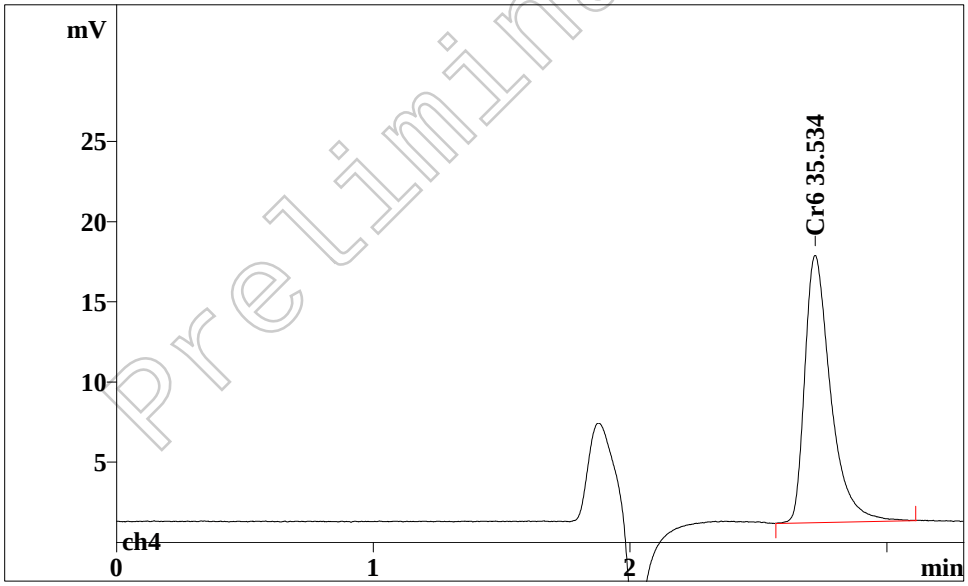
SAMPLE: 100ul loop
:
Vial number: 33
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.102;	16.68;	100.00;	116.770;	100.00;	0.00;	0.00;	34

Report date: 11/24/2009 10:39:05 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-2-A@5
Analysis from: 10/28/2009 2:54:35 PM
File: ta281454.chw Last save: 10/28/2009 2:57:54 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20560

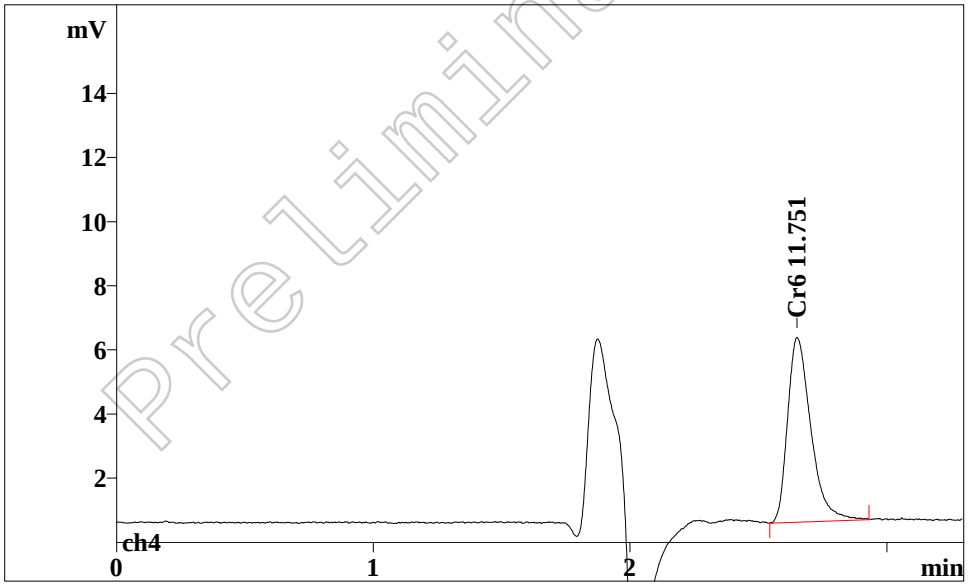
SAMPLE: 100ul loop
:
Vial number: 34
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.65;	0.095;	5.76;	99.90;	36.396;	100.00;	0.00;	0.00;	39

Report date: 11/24/2009 10:39:09 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-2-A@5
Analysis from: 10/28/2009 3:01:55 PM
File: ta281501.chw Last save: 10/28/2009 3:05:13 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20561

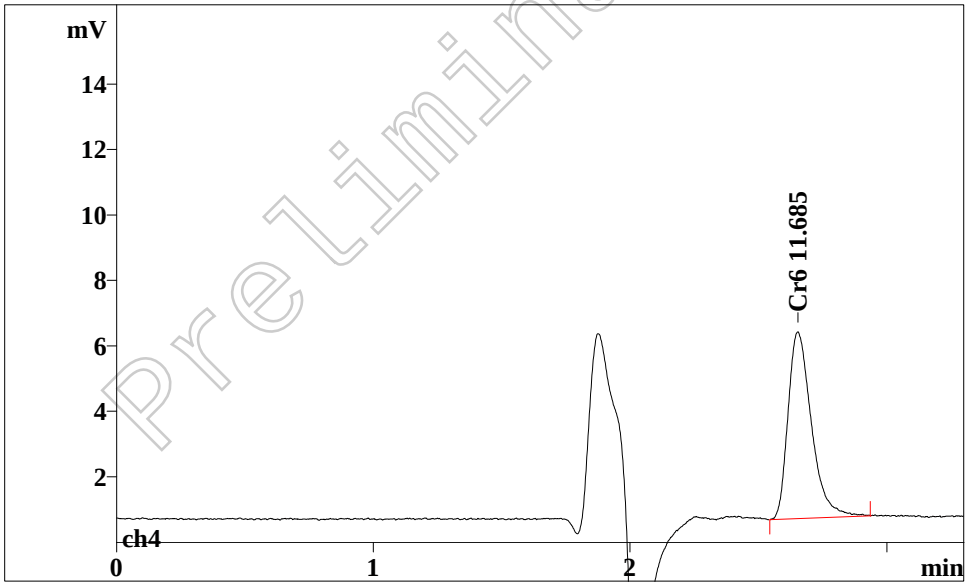
SAMPLE: 100ul loop
:
Vial number: 35
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.65;	0.095;	5.71;	99.94;	36.170;	100.00;	0.00;	0.00;	39

Report date: 11/24/2009 10:39:13 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-2-B DU@5
Analysis from: 10/28/2009 3:09:13 PM
File: ta281509.chw Last save: 10/28/2009 3:12:31 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20562

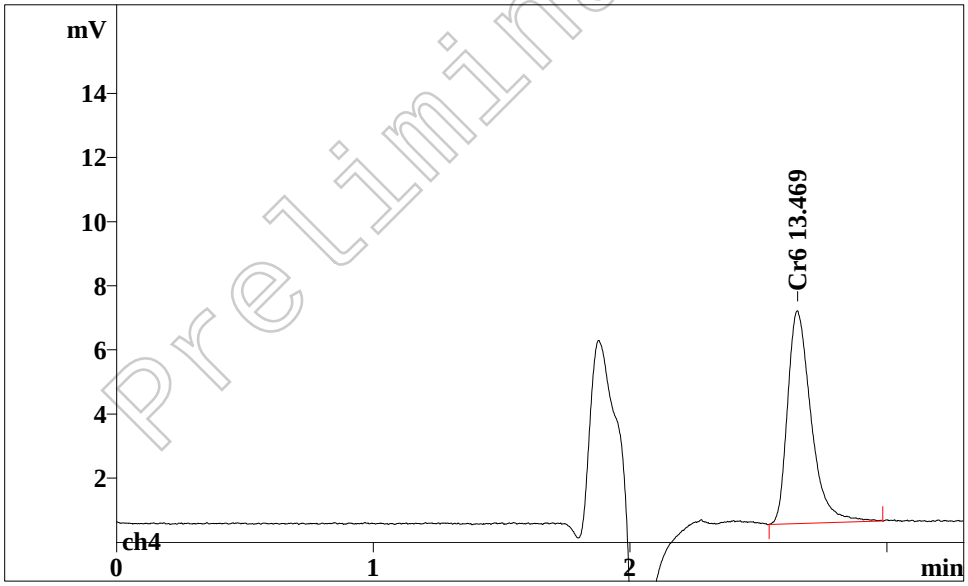
SAMPLE: 100ul loop
:
Vial number: 36
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.65;	0.095;	6.64;	100.01;	42.199;	100.00;	0.00;	0.00;	39

Report date: 11/24/2009 10:39:16 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-2-B DU@5
Analysis from: 10/28/2009 3:16:31 PM
File: ta281516.chw Last save: 10/28/2009 3:19:50 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20563

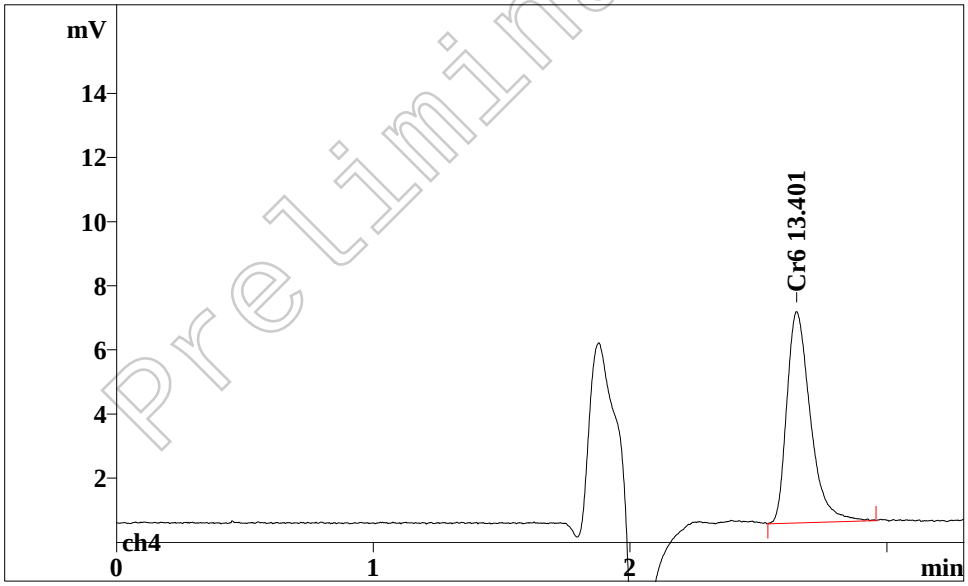
SAMPLE: 100ul loop
:
Vial number: 37
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.65;	0.096;	6.59;	100.01;	41.970;	100.00;	0.00;	0.00;	39

Report date: 11/24/2009 10:39:20 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-2-C MS@40
Analysis from: 10/28/2009 3:23:49 PM
File: ta281523.chw Last save: 10/28/2009 3:27:07 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20564

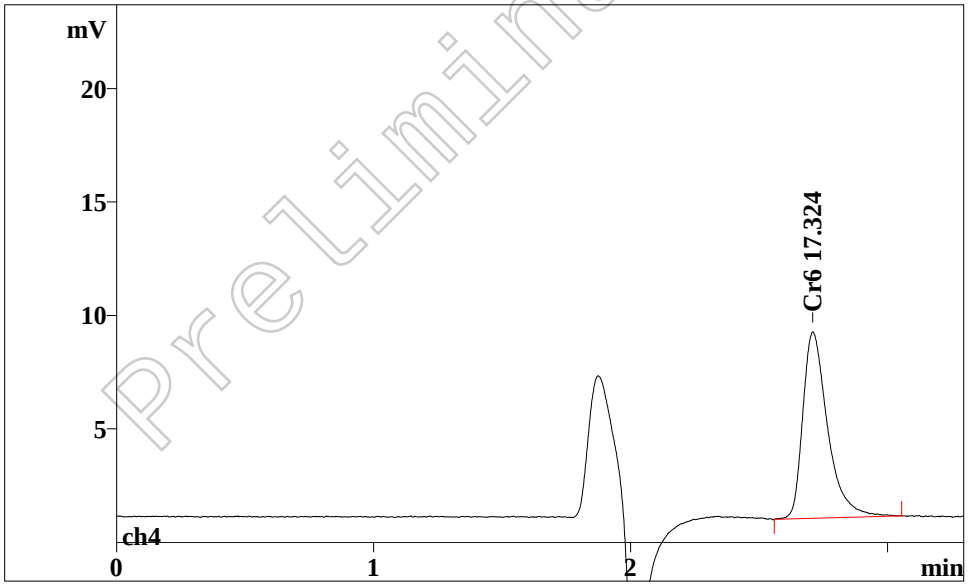
SAMPLE: 100ul loop
:
Vial number: 38
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.099;	8.22;	99.92;	55.227;	100.00;	0.00;	0.00;	36

Report date: 11/24/2009 10:39:24 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-2-C MS@40
Analysis from: 10/28/2009 3:31:06 PM
File: ta281531.chw Last save: 10/28/2009 3:34:24 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20565

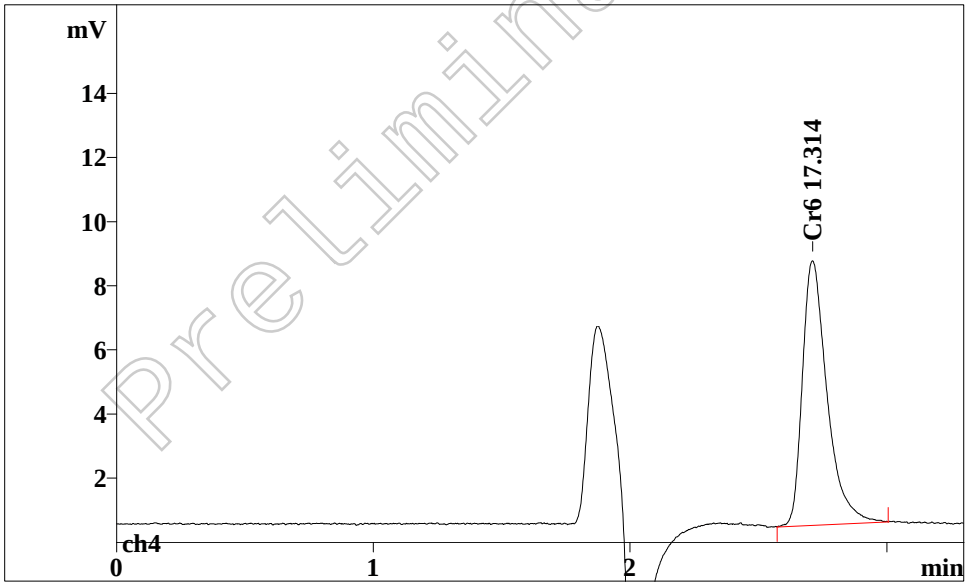
SAMPLE: 100ul loop
:
Vial number: 39
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.099;	8.25;	100.01;	55.195;	100.00;	0.00;	0.00;	37

Report date: 11/24/2009 10:39:28 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-2-D MSI@500
Analysis from: 10/28/2009 3:38:22 PM
File: ta281538.chw Last save: 10/28/2009 3:41:40 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20566

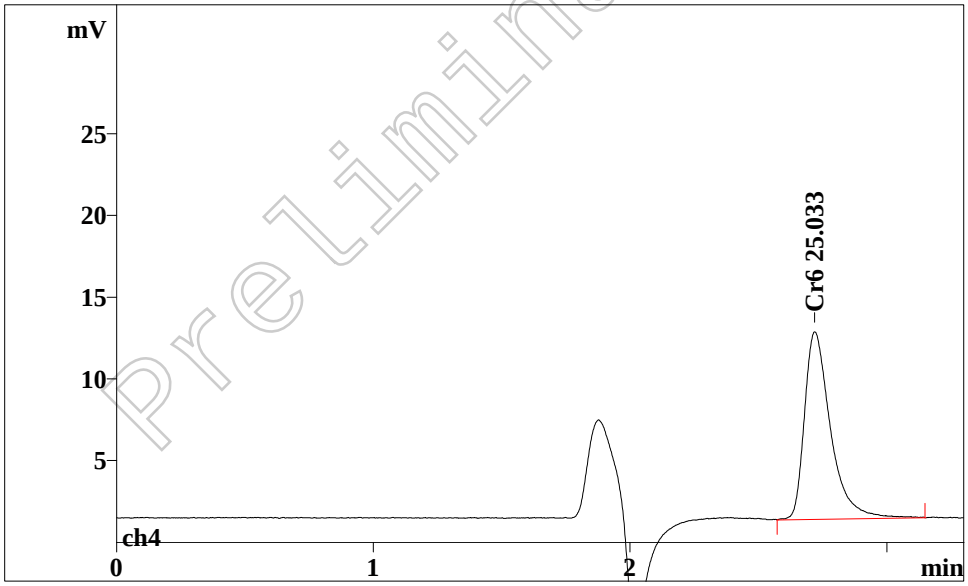
SAMPLE: 100ul loop
:
Vial number: 40
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.103;	11.48;	100.00;	81.280;	100.00;	0.00;	0.00;	33

Report date: 11/24/2009 10:39:32 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-2-D MSI@500
Analysis from: 10/28/2009 3:47:25 PM
File: ta281547.chw Last save: 10/28/2009 3:50:43 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20567

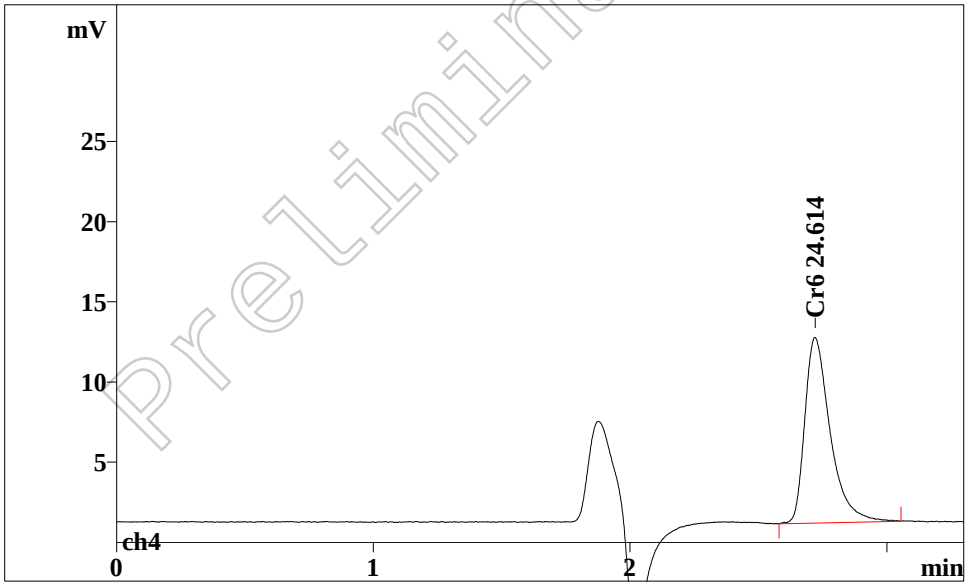
SAMPLE: 100ul loop
:
Vial number: 41
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.101;	11.58;	99.99;	79.864;	100.00;	0.00;	0.00;	35

Report date: 11/24/2009 10:39:37 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 10/28/2009 3:54:40 PM
File: ta281554.chw Last save: 10/28/2009 3:57:58 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20568

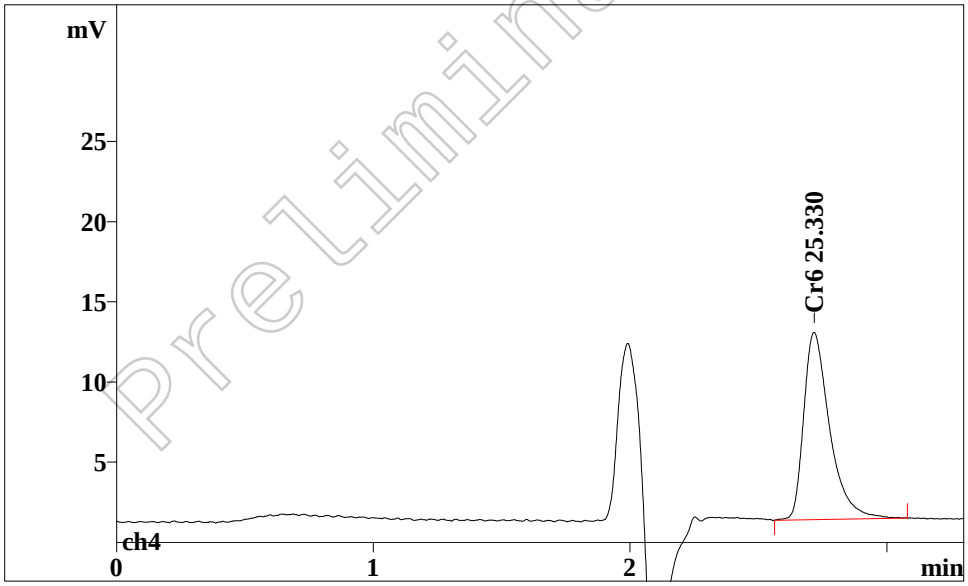
SAMPLE: 100ul loop
:
Vial number: 42
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.103;	11.69;	100.00;	82.284;	100.00;	0.00;	0.00;	33

Report date: 11/24/2009 10:39:40 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 10/28/2009 4:01:54 PM
File: ta281601.chw Last save: 10/28/2009 4:05:12 PM

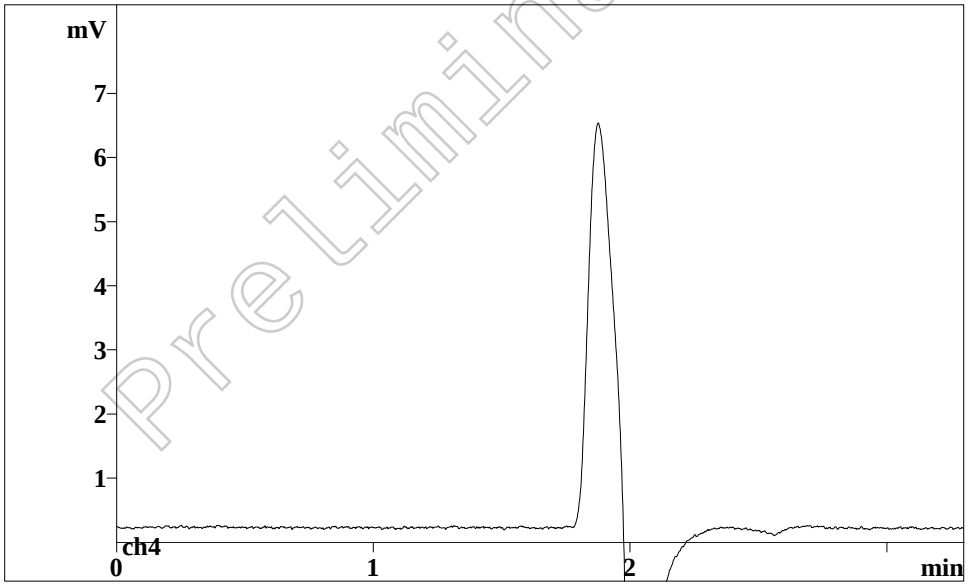
Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20569

SAMPLE: 100ul loop
:
Vial number: 43
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No peaks

Preliminary Data

Report date: 11/24/2009 10:39:44 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-3-A@5
Analysis from: 10/28/2009 4:09:07 PM
File: ta281609.chw Last save: 10/28/2009 4:12:26 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20570

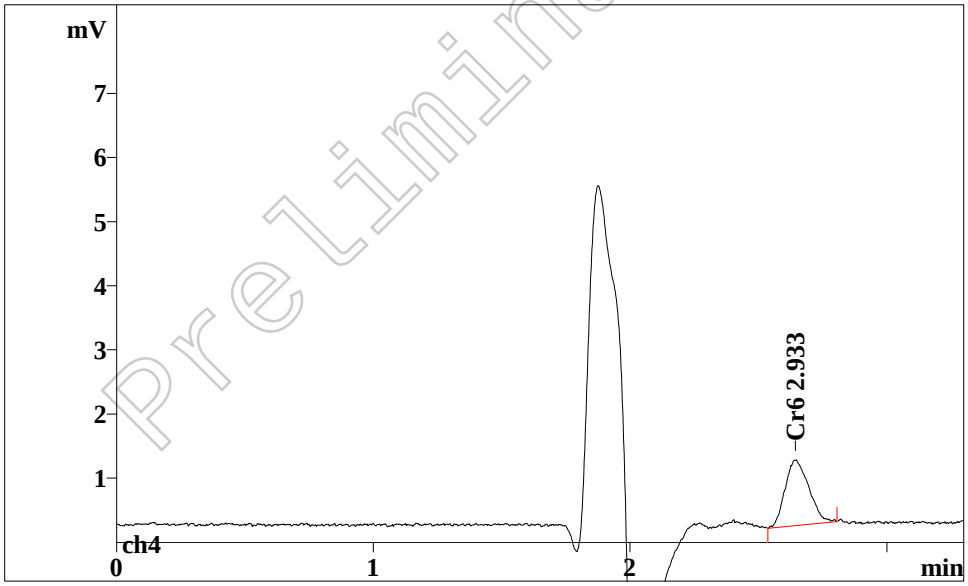
SAMPLE: 100ul loop
:
Vial number: 44
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.64;	0.103;	1.02;	100.05;	6.594;	100.00;	0.00;	0.00;	38

Report date: 11/24/2009 10:39:49 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-3-A@5
Analysis from: 10/28/2009 4:23:06 PM
File: ta281623.chw Last save: 10/28/2009 4:26:24 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20571

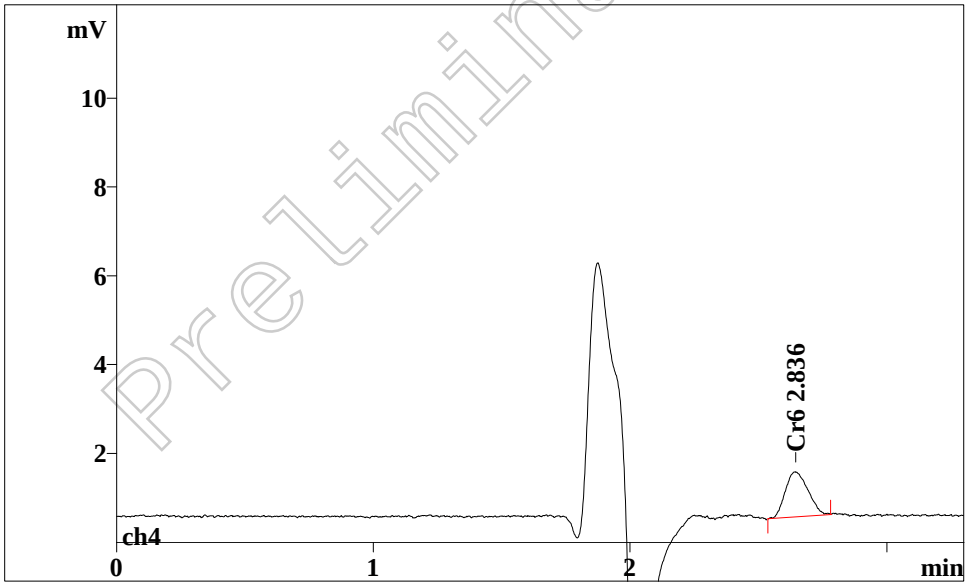
SAMPLE: 100ul loop
:
Vial number: 45
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.64;	0.101;	1.02;	99.86;	6.264;	100.00;	0.00;	0.00;	41

Report date: 11/24/2009 10:39:54 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-4-A@5
Analysis from: 10/28/2009 4:30:20 PM
File: ta281630.chw Last save: 10/28/2009 4:33:38 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20572

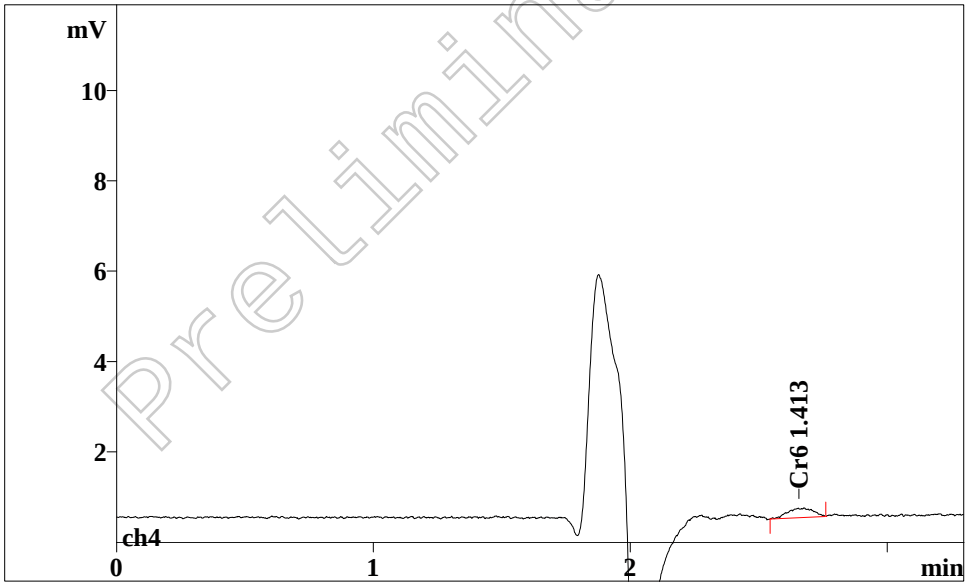
SAMPLE: 100ul loop
:
Vial number: 46
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.65;	0.126;	0.21;	96.65;	1.458;	100.00;	0.00;	0.00;	34

Report date: 11/24/2009 10:39:58 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-4-A@5
Analysis from: 10/28/2009 4:40:47 PM
File: ta281640.chw Last save: 10/28/2009 4:44:06 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20573

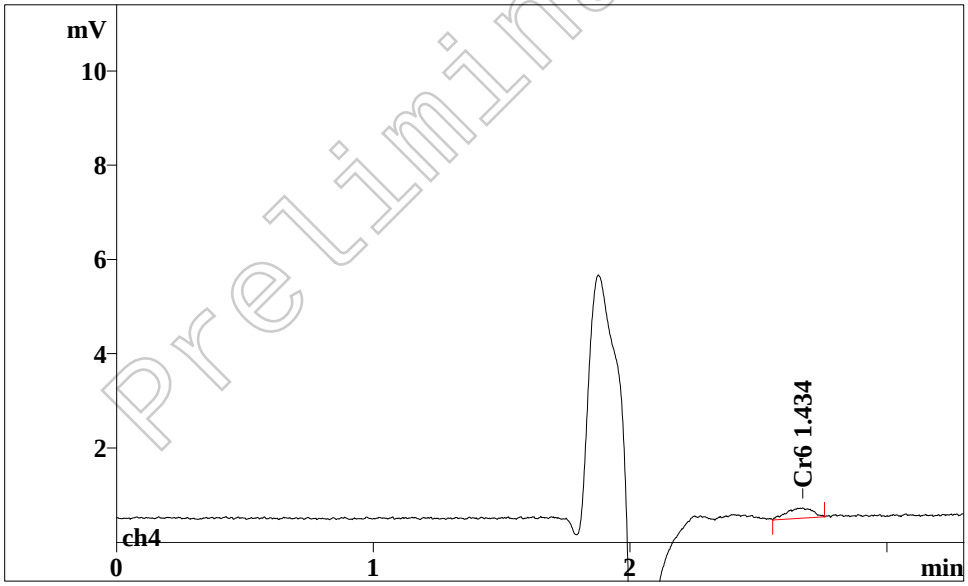
SAMPLE: 100ul loop
:
Vial number: 47
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.67;	0.121;	0.21;	97.68;	1.527;	100.00;	0.00;	0.00;	32

Report date: 11/24/2009 10:40:02 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-2-A PDS@40
Analysis from: 10/28/2009 4:49:23 PM
File: ta281649.chw Last save: 10/28/2009 4:52:41 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20574

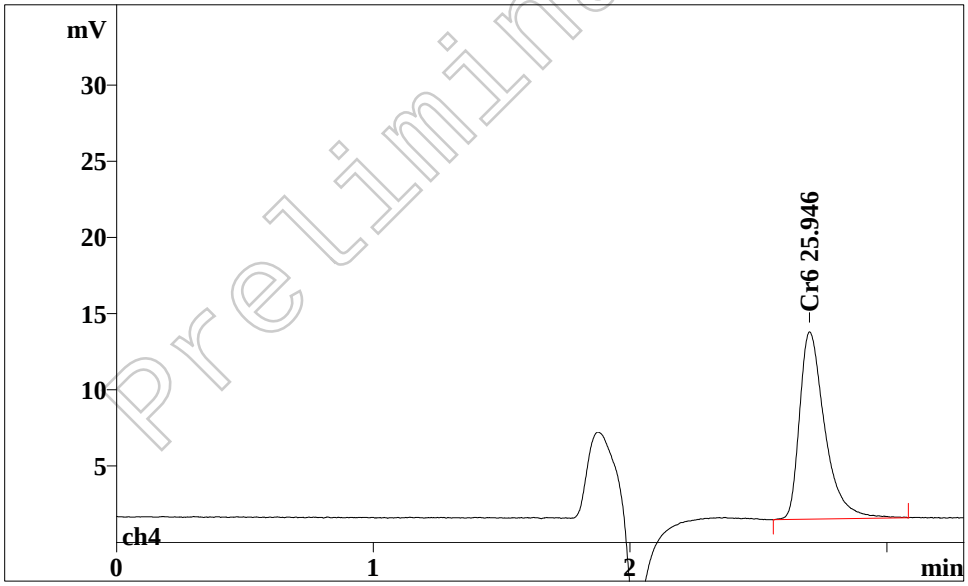
SAMPLE: 100ul loop
:
Vial number: 48
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.100;	12.31;	99.97;	84.368;	100.00;	0.00;	0.00;	35

Report date: 11/24/2009 10:40:28 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-2-A PDS@40
Analysis from: 10/28/2009 4:56:39 PM
File: ta281656.chw Last save: 10/28/2009 4:59:57 PM
Modified!
Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20575

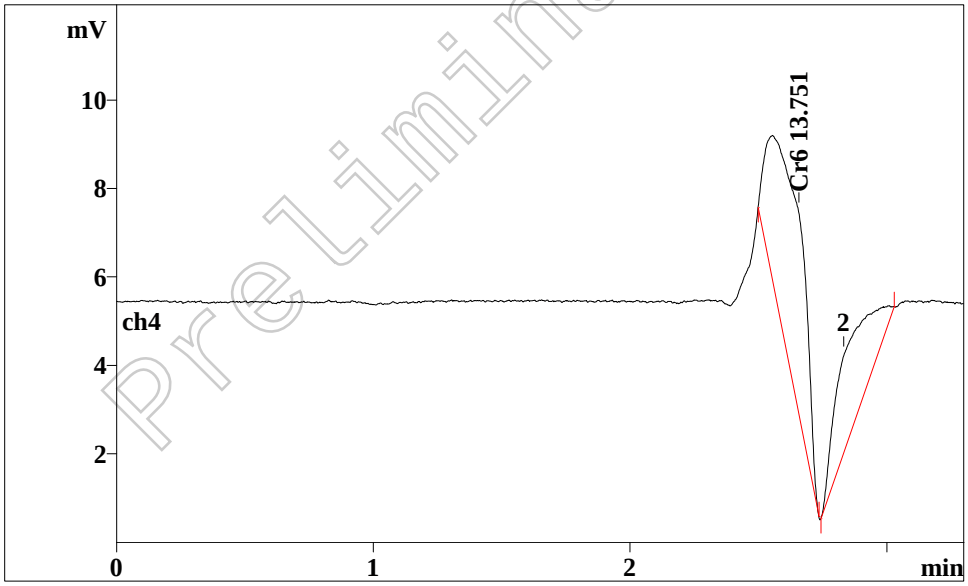
SAMPLE: 100ul loop
:
Vial number: 49
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 5.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.65;	0.171;	4.57;	67.47;	43.152;	65.73;	0.00;	0.58;	17

Report date: 11/24/2009 10:40:37 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20678/1-A@2
Analysis from: 10/28/2009 5:03:56 PM
File: ta281703.chw Last save: 10/28/2009 5:07:14 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20576

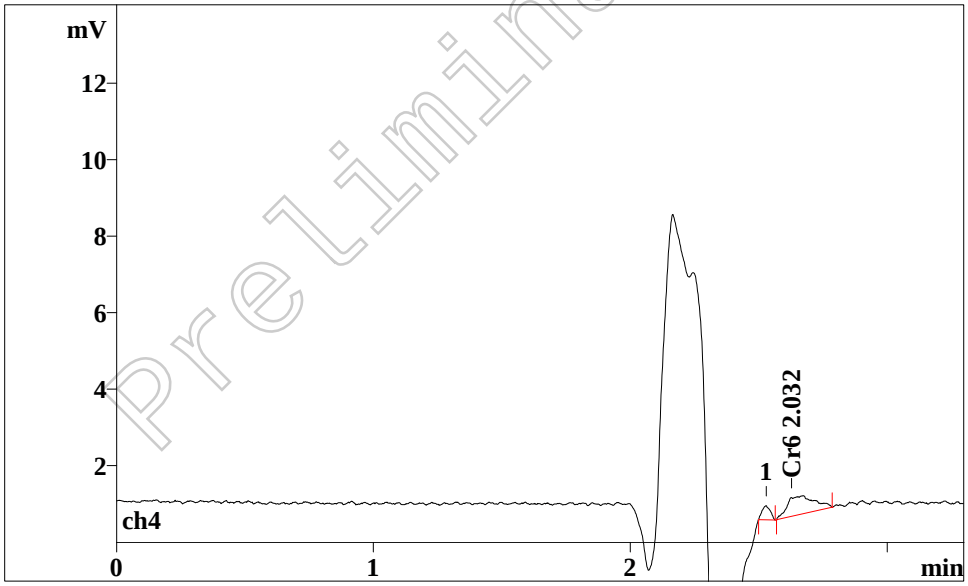
SAMPLE: 100ul loop
:
Vial number: 50
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.0 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.63;	0.120;	0.48;	55.93;	3.547;	81.54;	0.00;	0.00;	29

Report date: 11/24/2009 10:40:42 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20678/1-A@2
Analysis from: 10/28/2009 5:11:13 PM
File: ta281711.chw Last save: 10/28/2009 5:14:31 PM

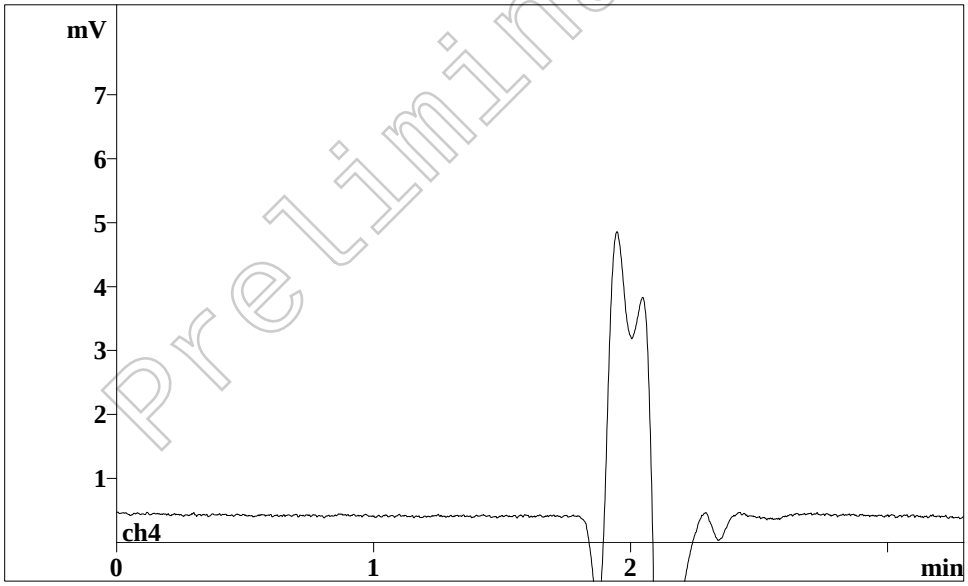
Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20577

SAMPLE: 100ul loop
:
Vial number: 51
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.1 MPa



No peaks

Preliminary Data

Report date: 11/24/2009 10:40:48 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20678/2-A@25
Analysis from: 10/28/2009 5:18:31 PM
File: ta281718.chw Last save: 10/28/2009 5:21:50 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20578

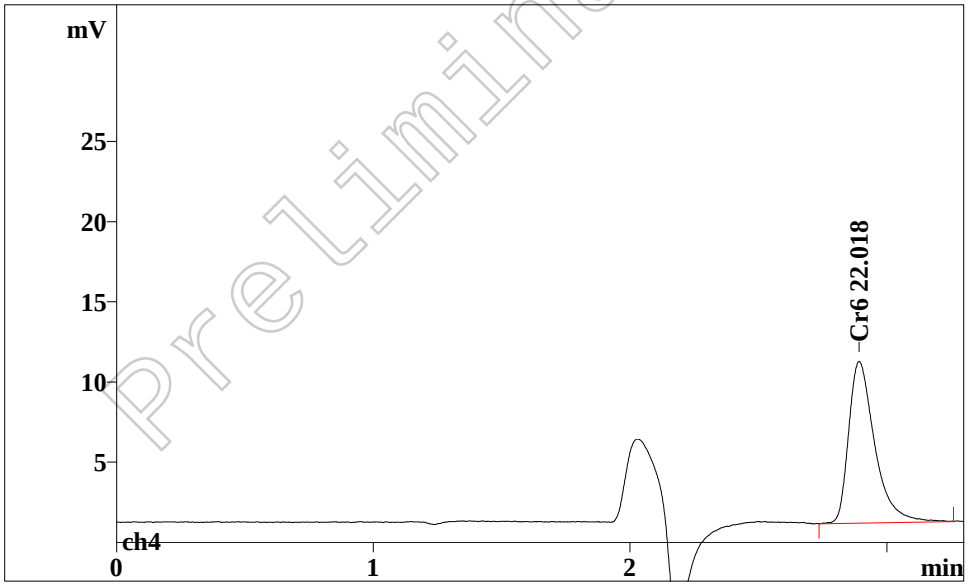
SAMPLE: 100ul loop
:
Vial number: 52
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.89;	0.104;	10.09;	100.00;	71.091;	100.00;	0.00;	0.00;	38

Report date: 11/24/2009 10:40:51 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20678/2-A@25
Analysis from: 10/28/2009 5:25:49 PM
File: ta281725.chw Last save: 10/28/2009 5:29:08 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20579

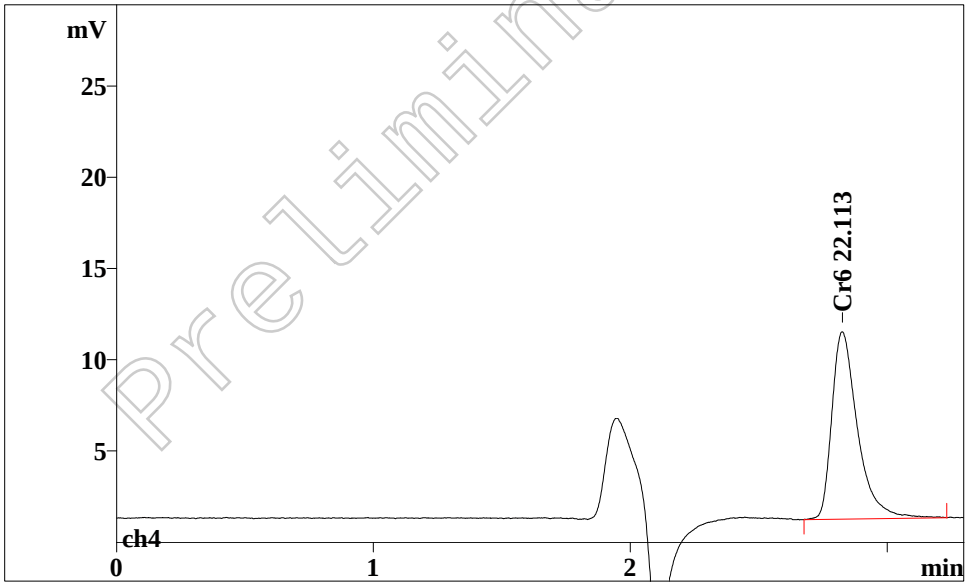
SAMPLE: 100ul loop
:
Vial number: 53
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.82;	0.101;	10.27;	100.00;	71.413;	100.00;	0.00;	0.00;	37

Report date: 11/24/2009 10:40:56 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 10/28/2009 5:33:09 PM
File: ta281733.chw Last save: 10/28/2009 5:36:27 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20580

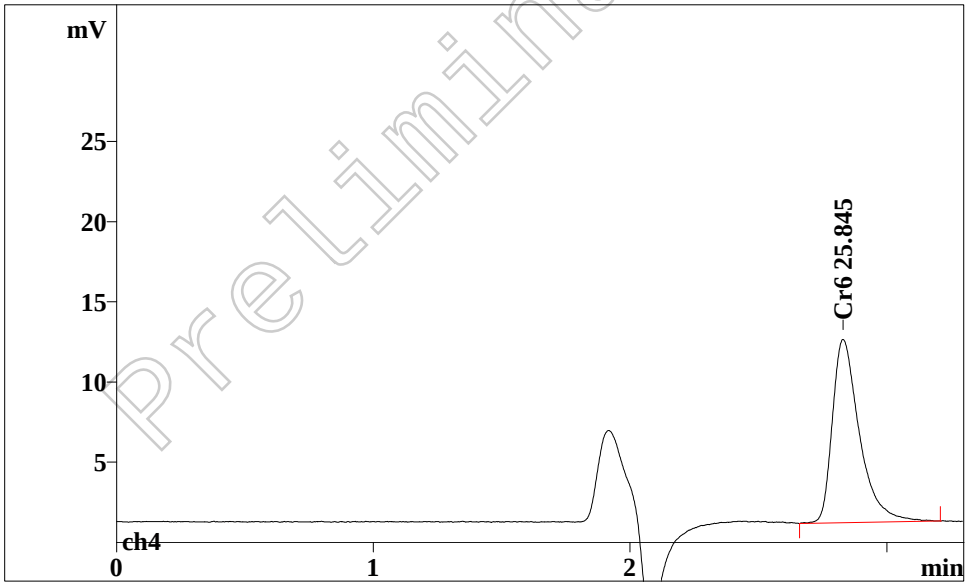
SAMPLE: 100ul loop
:
Vial number: 54
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.83;	0.107;	11.44;	99.93;	84.025;	100.00;	0.00;	0.00;	33

Report date: 11/24/2009 10:41:00 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 10/28/2009 5:40:29 PM
File: ta281740.chw Last save: 10/28/2009 5:43:47 PM

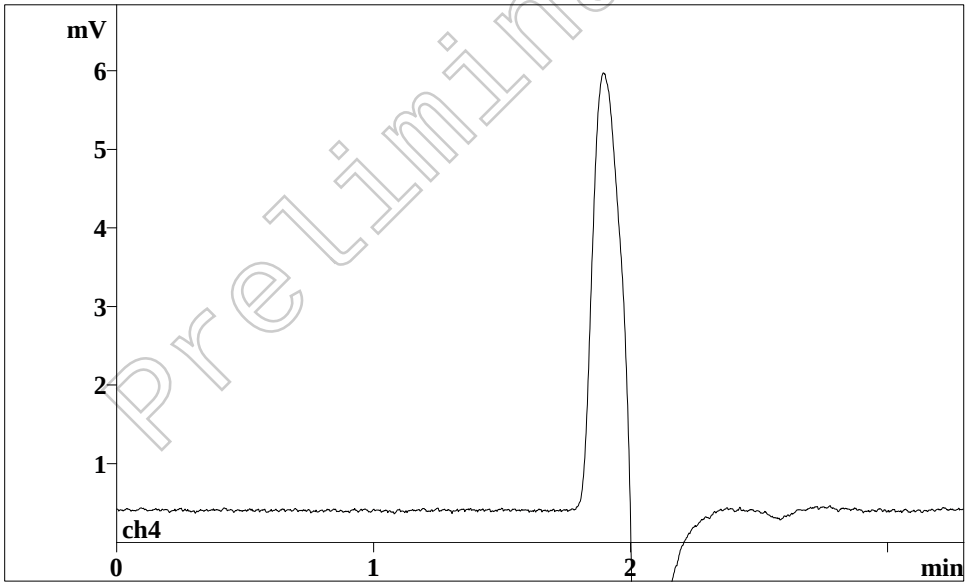
Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20581

SAMPLE: 100ul loop
:
Vial number: 55
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No peaks

Preliminary Data

Report date: 11/24/2009 10:41:05 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20678/3-A@500
Analysis from: 10/28/2009 5:47:49 PM
File: ta281747.chw Last save: 10/28/2009 5:51:08 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20582

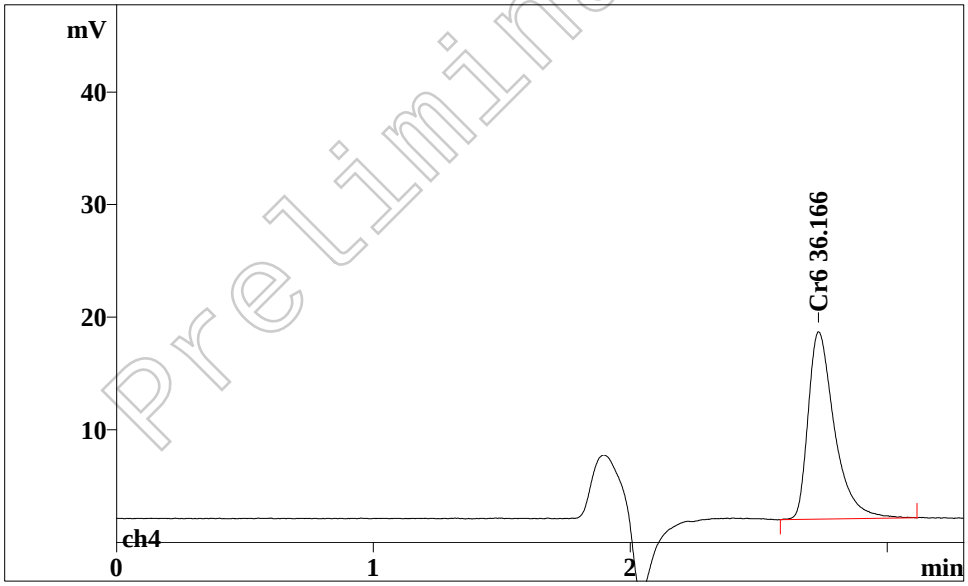
SAMPLE: 100ul loop
:
Vial number: 56
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.104;	16.66;	100.00;	118.906;	100.00;	0.00;	0.00;	33

Report date: 11/24/2009 10:41:08 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20678/3-A@500
Analysis from: 10/28/2009 5:55:11 PM
File: ta281755.chw Last save: 10/28/2009 5:58:29 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20583

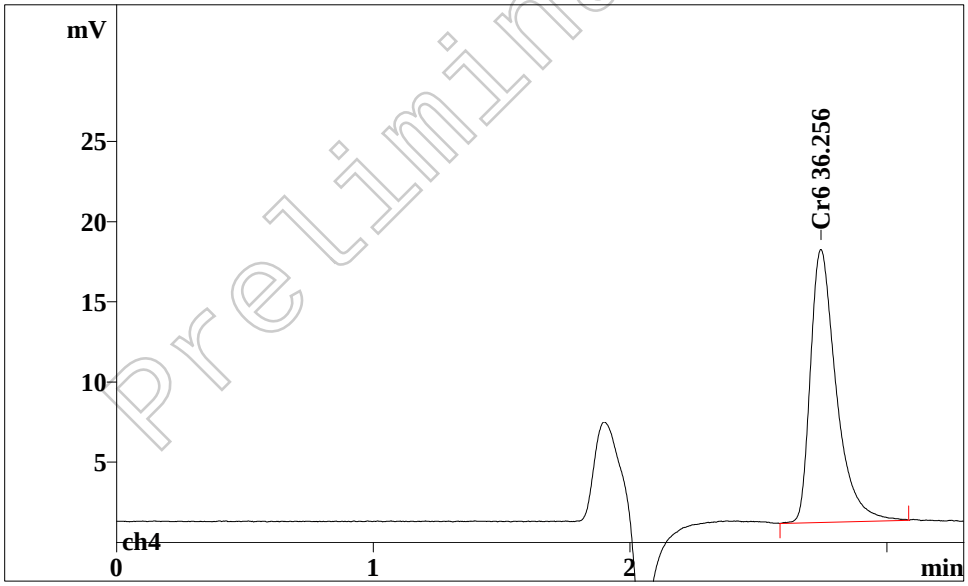
SAMPLE: 100ul loop
:
Vial number: 57
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.103;	17.04;	100.00;	119.208;	100.00;	0.00;	0.00;	34

Report date: 11/24/2009 10:41:13 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-5-A@5
Analysis from: 10/28/2009 6:02:34 PM
File: ta281802.chw Last save: 10/28/2009 6:05:52 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20584

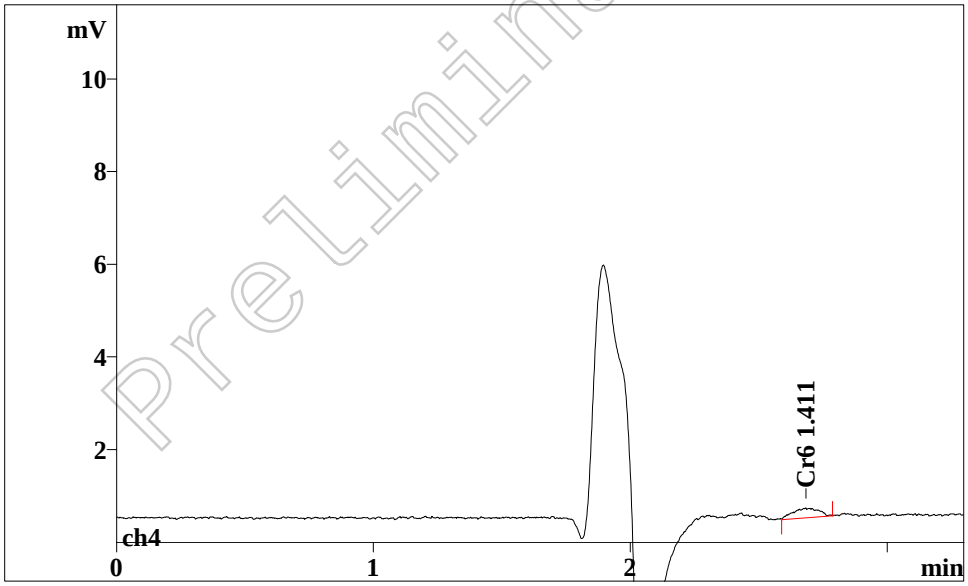
SAMPLE: 100ul loop
:
Vial number: 58
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.68;	0.130;	0.20;	94.71;	1.451;	100.00;	0.00;	0.00;	35

Report date: 11/24/2009 10:41:17 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-5-A@5
Analysis from: 10/28/2009 6:09:57 PM
File: ta281809.chw Last save: 10/28/2009 6:13:15 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20585

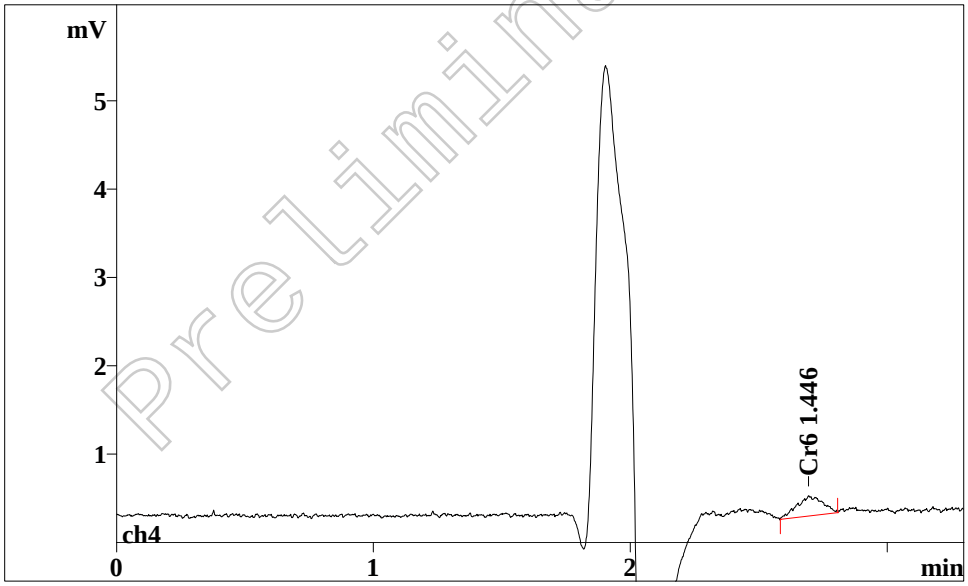
SAMPLE: 100ul loop
:
Vial number: 59
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.115;	0.22;	97.32;	1.570;	100.00;	0.00;	0.00;	34

Report date: 11/24/2009 10:41:22 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-5-B DU@5
Analysis from: 10/28/2009 6:17:20 PM
File: ta281817.chw Last save: 10/28/2009 6:20:38 PM

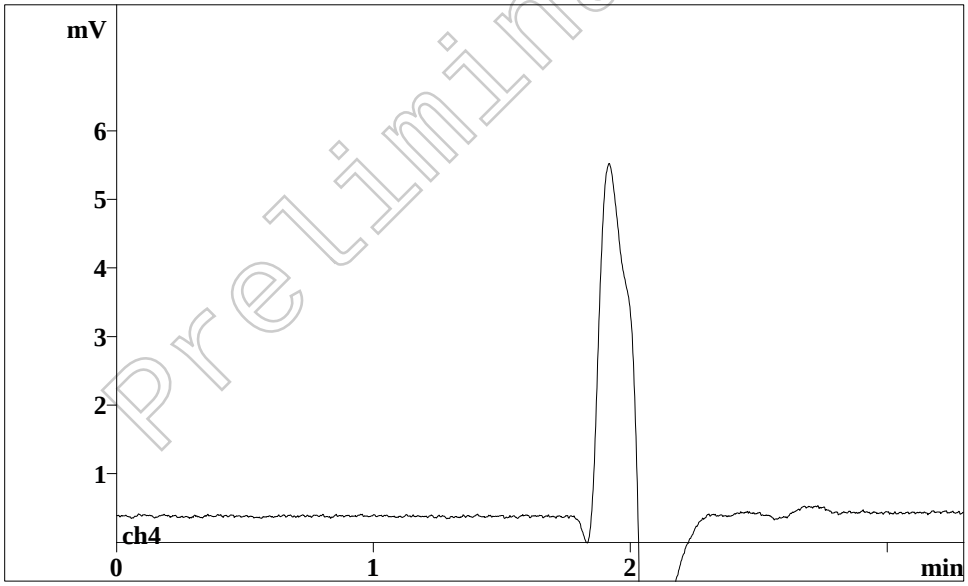
Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20586

SAMPLE: 100ul loop
:
Vial number: 60
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No peaks

Preliminary Data

Report date: 11/24/2009 10:41:26 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-5-B DU@5
Analysis from: 10/28/2009 6:24:44 PM
File: ta281824.chw Last save: 10/28/2009 6:28:02 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20587

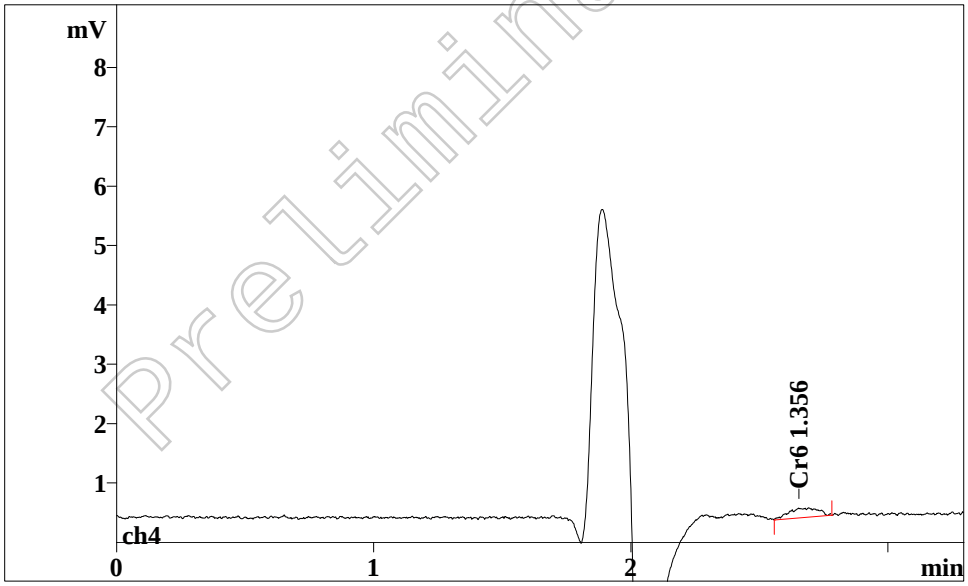
SAMPLE: 100ul loop
:
Vial number: 61
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.65;	0.149;	0.16;	95.13;	1.264;	100.00;	0.00;	0.00;	27

Report date: 11/24/2009 10:41:31 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-5-C MS@40
Analysis from: 10/28/2009 6:32:08 PM
File: ta281832.chw Last save: 10/28/2009 6:35:26 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20588

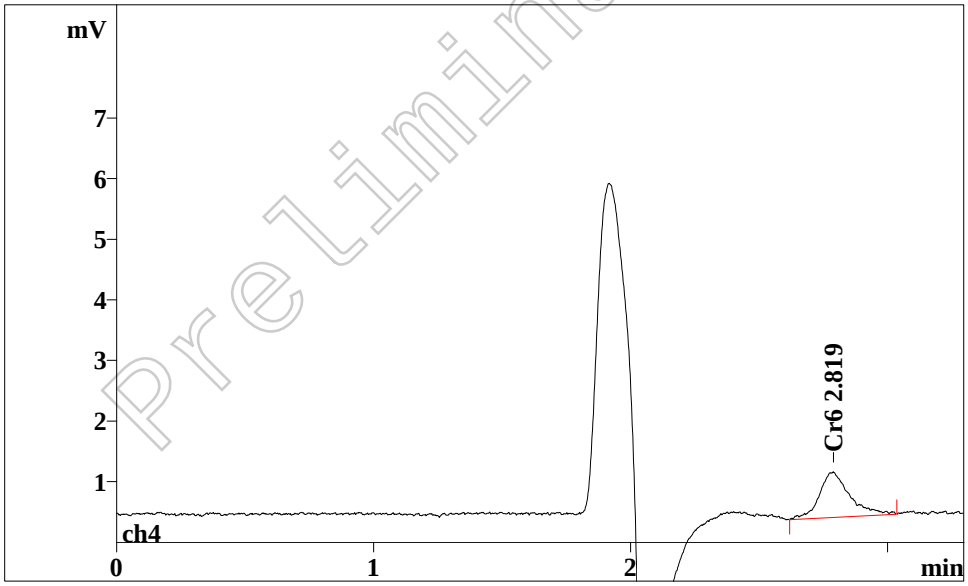
SAMPLE: 100ul loop
:
Vial number: 62
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.79;	0.116;	0.75;	98.85;	6.210;	100.00;	0.00;	0.00;	25

Report date: 11/24/2009 10:41:35 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-5-C MS@40
Analysis from: 10/28/2009 6:39:33 PM
File: ta281839.chw Last save: 10/28/2009 6:42:51 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20589

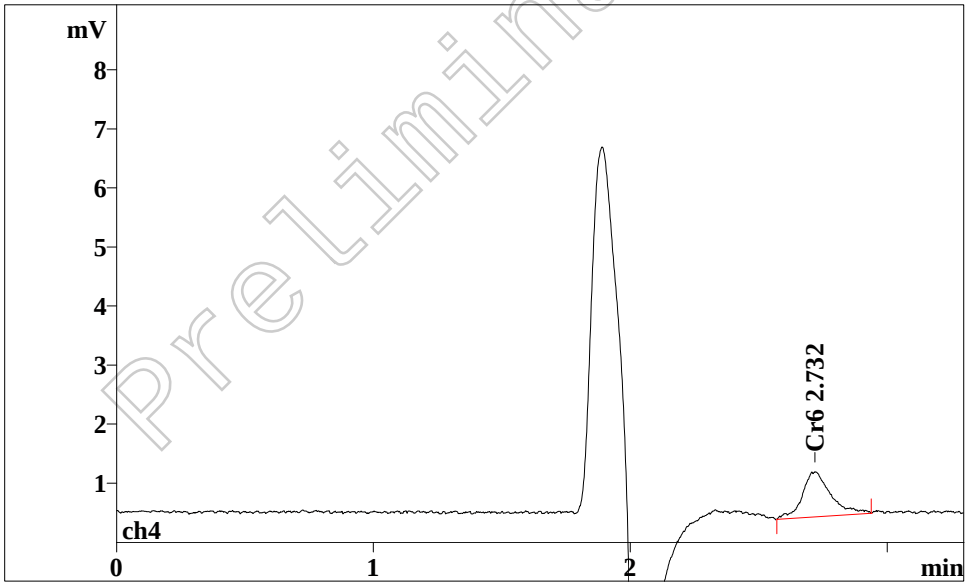
SAMPLE: 100ul loop
:
Vial number: 63
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.108;	0.76;	99.70;	5.914;	100.00;	0.00;	0.00;	28

Report date: 11/24/2009 10:41:39 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-5-D MSI@500
Analysis from: 10/28/2009 6:46:56 PM
File: ta281846.chw Last save: 10/28/2009 6:50:15 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20590

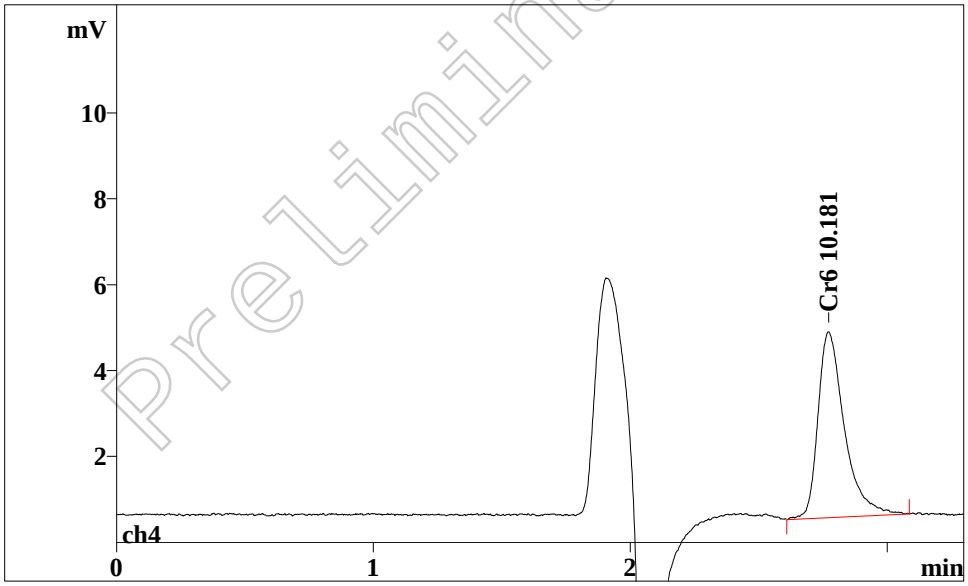
SAMPLE: 100ul loop
:
Vial number: 64
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.77;	0.104;	4.34;	100.00;	31.090;	100.00;	0.00;	0.00;	33

Report date: 11/24/2009 10:41:42 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-5-D MSI@500
Analysis from: 10/28/2009 6:54:21 PM
File: ta281854.chw Last save: 10/28/2009 6:57:39 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20591

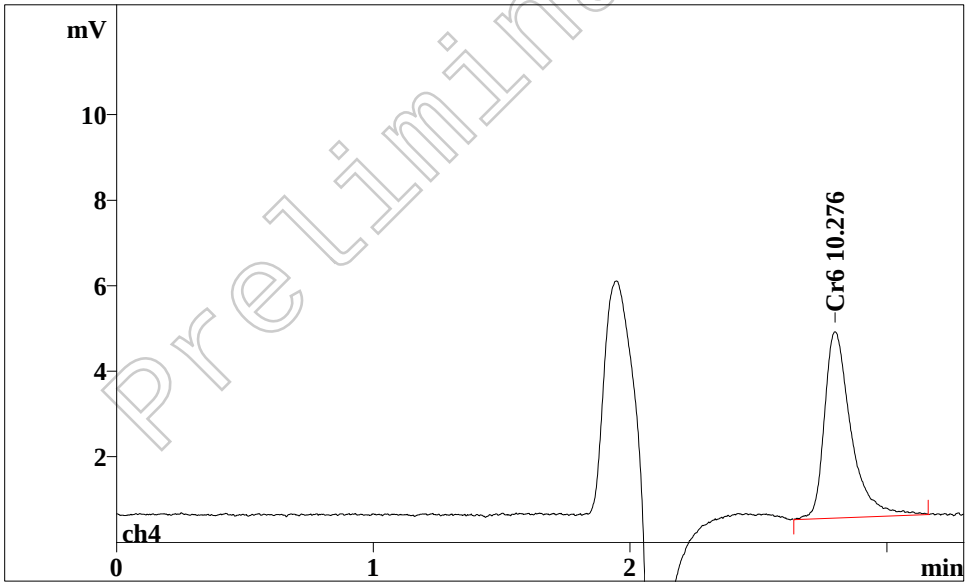
SAMPLE: 100ul loop
:
Vial number: 65
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.80;	0.103;	4.36;	99.99;	31.410;	100.00;	0.00;	0.00;	34

Report date: 11/24/2009 10:41:46 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 10/28/2009 7:01:45 PM
File: ta281901.chw Last save: 10/28/2009 7:05:03 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20592

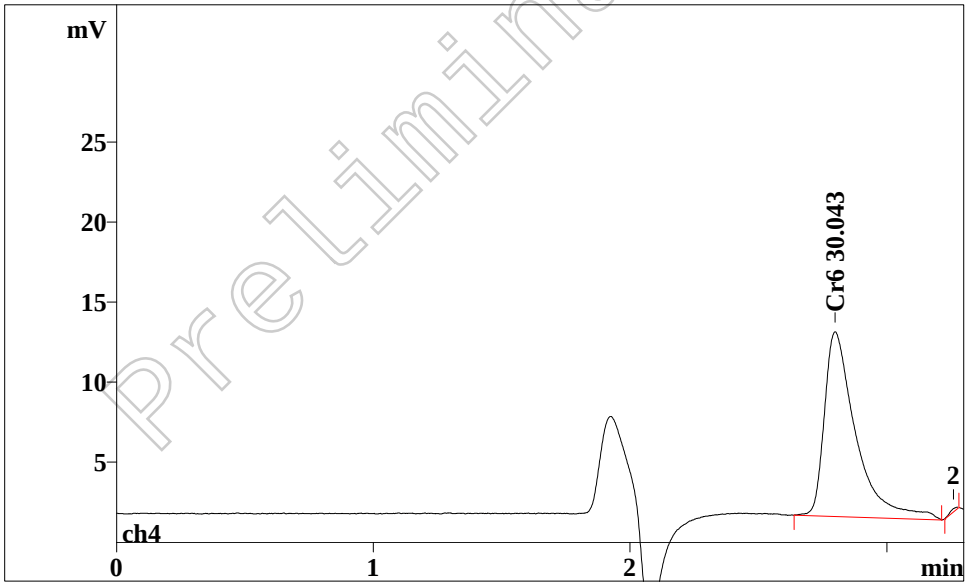
SAMPLE: 100ul loop
:
Vial number: 66
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.80;	0.118;	11.55;	98.27;	98.213;	99.64;	0.00;	3.73;	24

Report date: 11/24/2009 10:41:52 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 10/28/2009 7:09:09 PM
File: ta281909.chw Last save: 10/28/2009 7:12:27 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20593

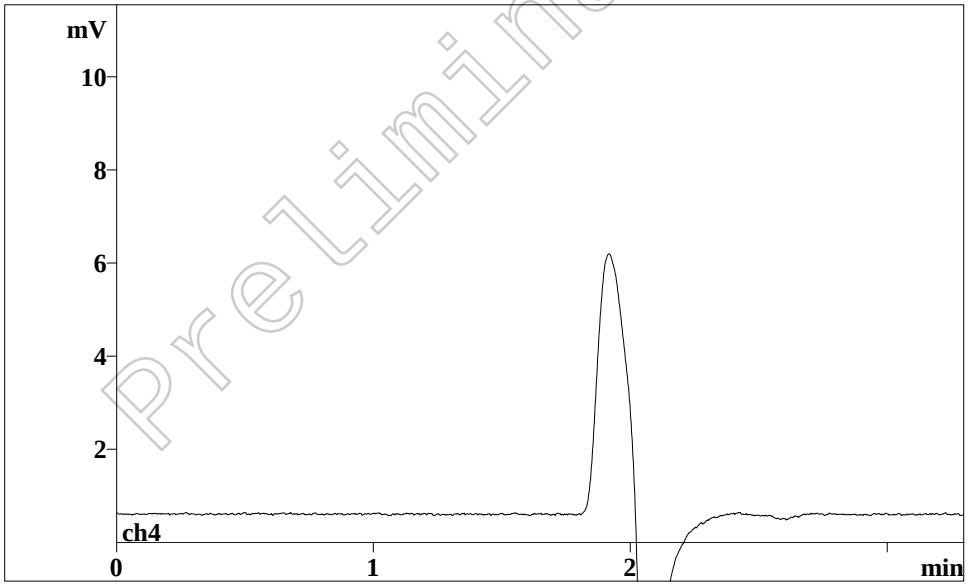
SAMPLE: 100ul loop
:
Vial number: 67
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No peaks

Report date: 11/24/2009 10:41:55 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-5-A PDS@40
Analysis from: 10/28/2009 7:16:33 PM
File: ta281916.chw Last save: 10/28/2009 7:19:51 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20594

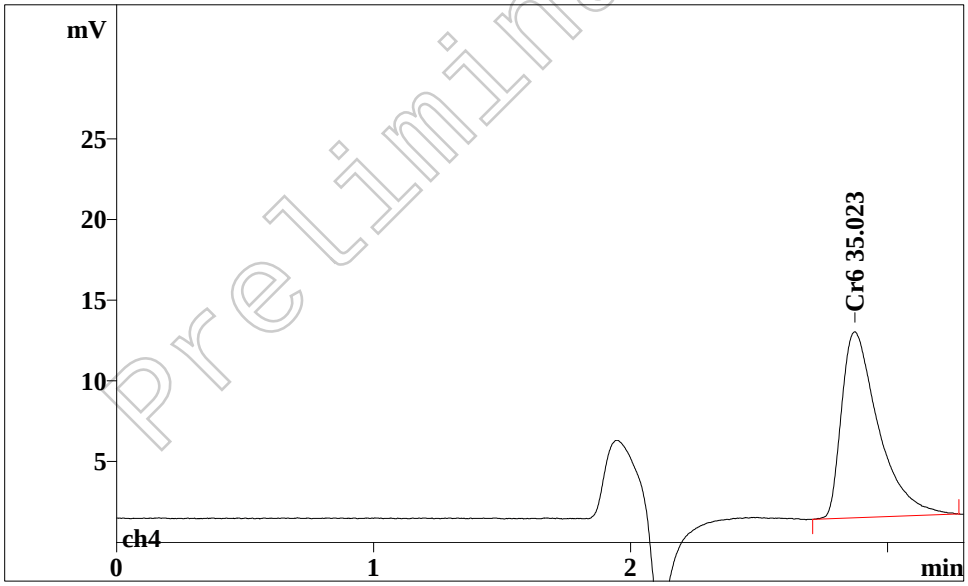
SAMPLE: 100ul loop
:
Vial number: 68
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.87;	0.147;	11.54;	99.96;	115.043;	100.00;	0.00;	0.00;	18

Report date: 11/24/2009 10:42:02 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-5-A PDS@40
Analysis from: 10/28/2009 7:23:56 PM
File: ta281923.chw Last save: 10/28/2009 7:27:14 PM

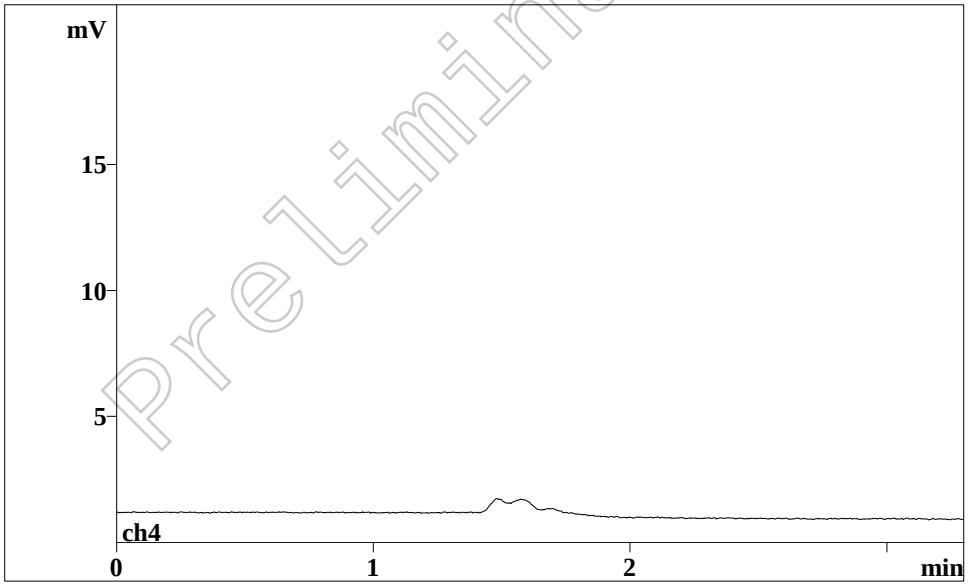
Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20595

SAMPLE: 100ul loop
:
Vial number: 69
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 0.4 MPa



No peaks

Preliminary Data

Report date: 11/24/2009 10:42:07 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20679/1-A@2
Analysis from: 10/28/2009 7:31:18 PM
File: ta281931.chw Last save: 10/28/2009 7:34:37 PM

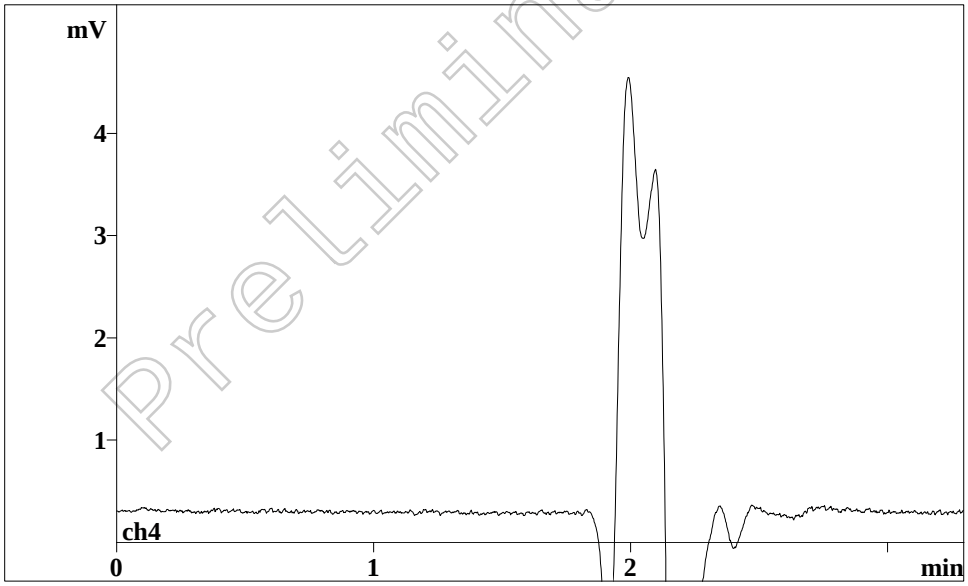
Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20596

SAMPLE: 100ul loop
:
Vial number: 70
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.1 MPa



No peaks

Preliminary Data

Report date: 11/24/2009 10:42:12 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20679/1-A@2
Analysis from: 10/28/2009 7:38:41 PM
File: ta281938.chw Last save: 10/28/2009 7:41:59 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20597

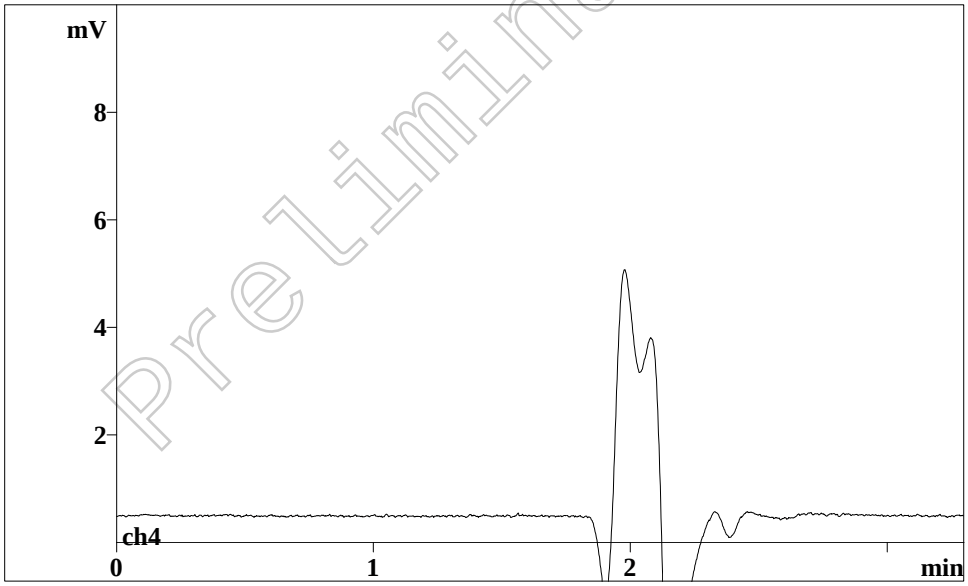
SAMPLE: 100ul loop
:
Vial number: 71
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.2 MPa

Preliminary Data



No peaks

Report date: 11/24/2009 10:42:15 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20679/2-A@25
Analysis from: 10/28/2009 7:46:02 PM
File: ta281946.chw Last save: 10/28/2009 7:49:20 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20598

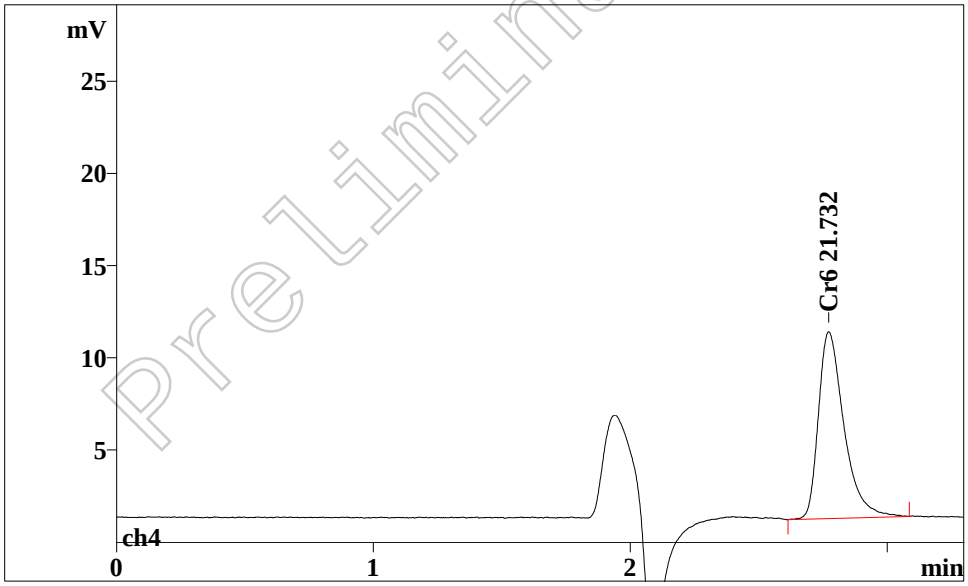
SAMPLE: 100ul loop
:
Vial number: 72
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.1 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.77;	0.102;	10.13;	100.00;	70.125;	100.00;	0.00;	0.00;	36

Report date: 11/24/2009 10:42:19 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20679/2-A@25
Analysis from: 10/28/2009 7:53:23 PM
File: ta281953.chw Last save: 10/28/2009 7:56:41 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20599

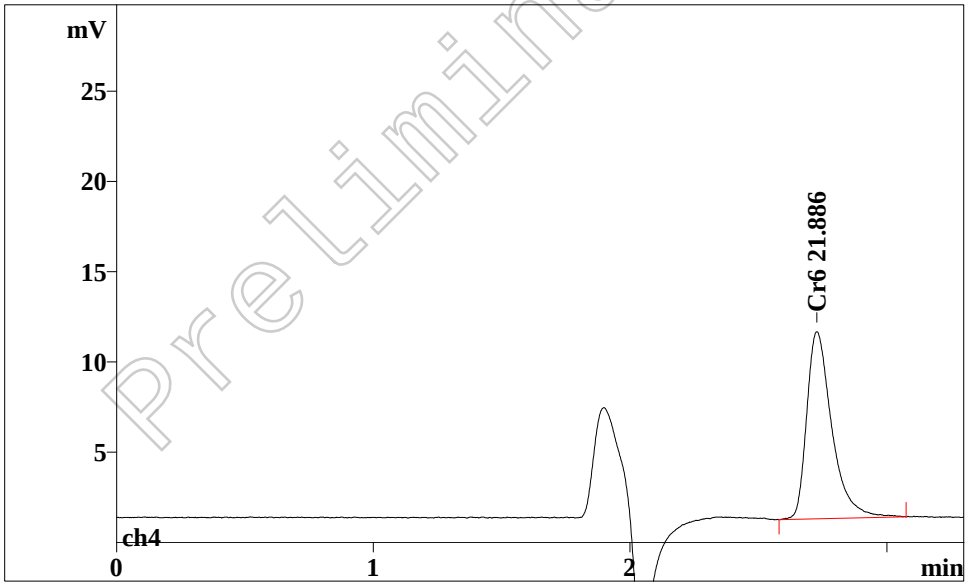
SAMPLE: 100ul loop
:
Vial number: 73
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.100;	10.38;	100.06;	70.645;	100.00;	0.00;	0.00;	36

Report date: 11/24/2009 10:42:23 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20679/3-A@500
Analysis from: 10/28/2009 8:00:43 PM
File: ta282000.chw Last save: 10/28/2009 8:04:02 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20600

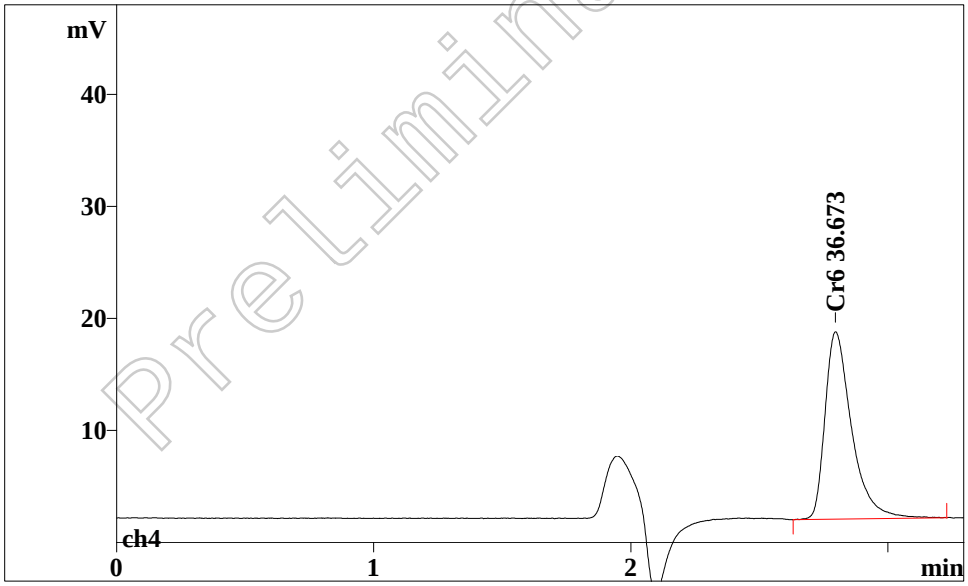
SAMPLE: 100ul loop
:
Vial number: 74
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.1 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.80;	0.105;	16.75;	100.01;	120.618;	100.00;	0.00;	0.00;	34

Report date: 11/24/2009 10:42:26 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20679/3-A@500
Analysis from: 10/28/2009 8:08:02 PM
File: ta282008.chw Last save: 10/28/2009 8:11:21 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20601

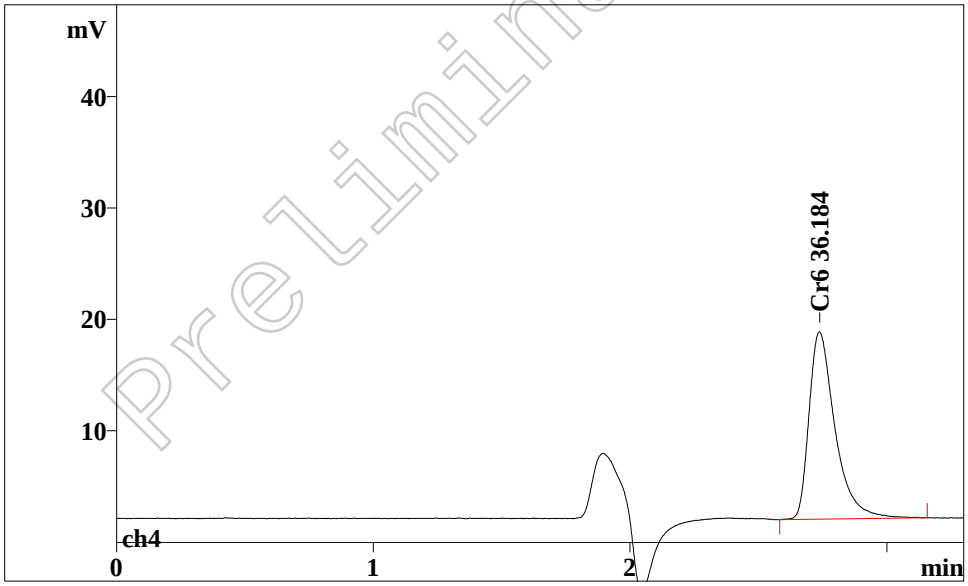
SAMPLE: 100ul loop
:
Vial number: 75
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.103;	16.84;	99.98;	118.966;	100.00;	0.00;	0.00;	33

Report date: 11/24/2009 10:42:30 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-6-A@5
Analysis from: 10/28/2009 8:15:21 PM
File: ta282015.chw Last save: 10/28/2009 8:18:39 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20602

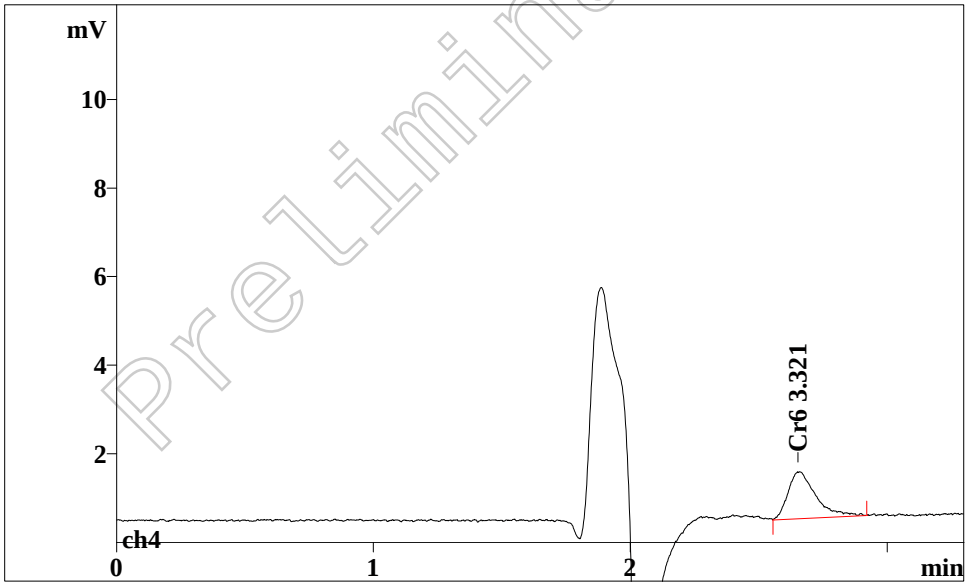
SAMPLE: 100ul loop
:
Vial number: 76
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.66;	0.110;	1.05;	99.44;	7.904;	100.00;	0.00;	0.00;	28

Report date: 11/24/2009 10:42:34 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-6-A@5
Analysis from: 10/28/2009 8:22:39 PM
File: ta282022.chw Last save: 10/28/2009 8:25:57 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20603

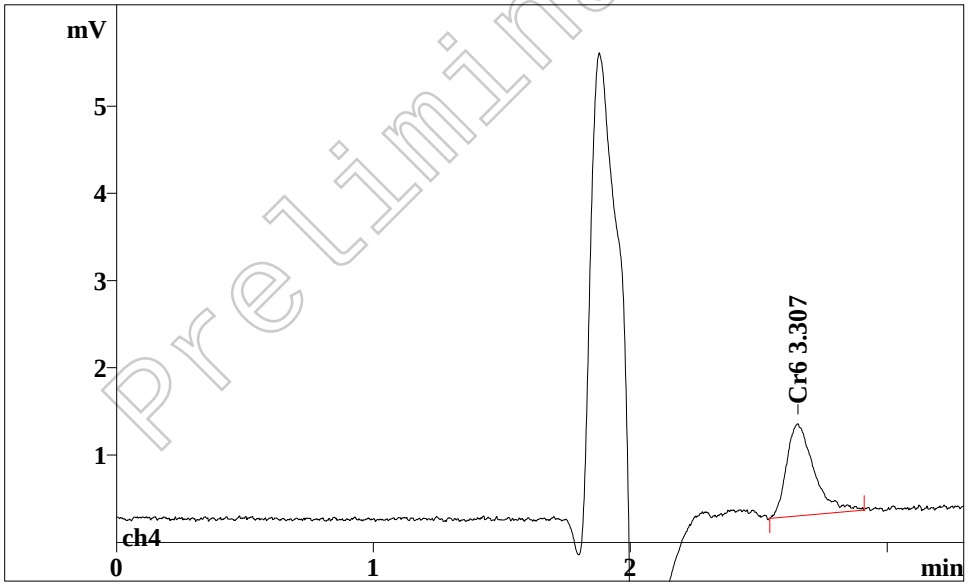
SAMPLE: 100ul loop
:
Vial number: 77
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.65;	0.110;	1.06;	99.74;	7.859;	100.00;	0.00;	0.00;	28

Report date: 11/24/2009 10:42:38 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 10/28/2009 8:29:56 PM
File: ta282029.chw Last save: 10/28/2009 8:33:14 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20604

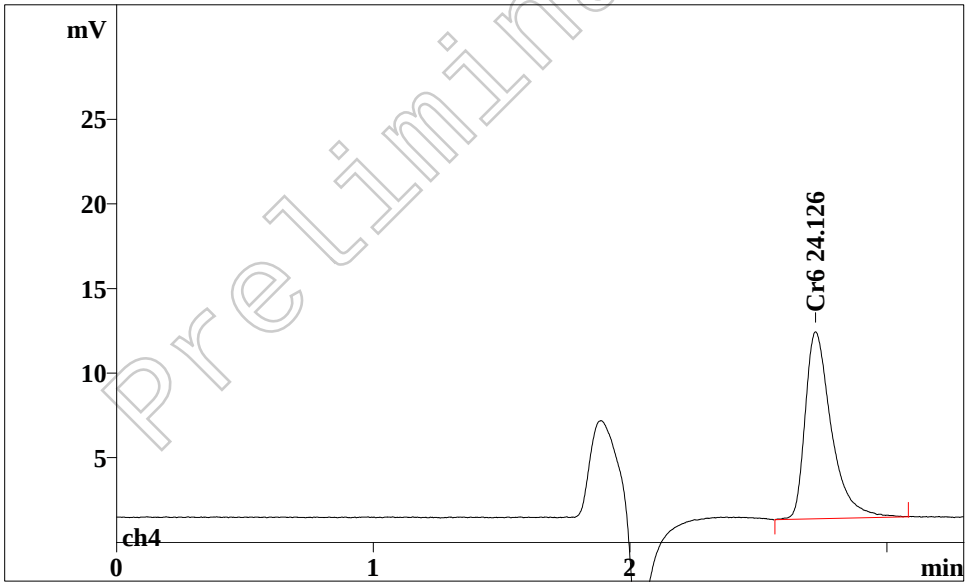
SAMPLE: 100ul loop
:
Vial number: 78
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.103;	11.06;	100.00;	78.217;	100.00;	0.00;	0.00;	33

Report date: 11/24/2009 10:42:43 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 10/28/2009 8:37:12 PM
File: ta282037.chw Last save: 10/28/2009 8:40:31 PM

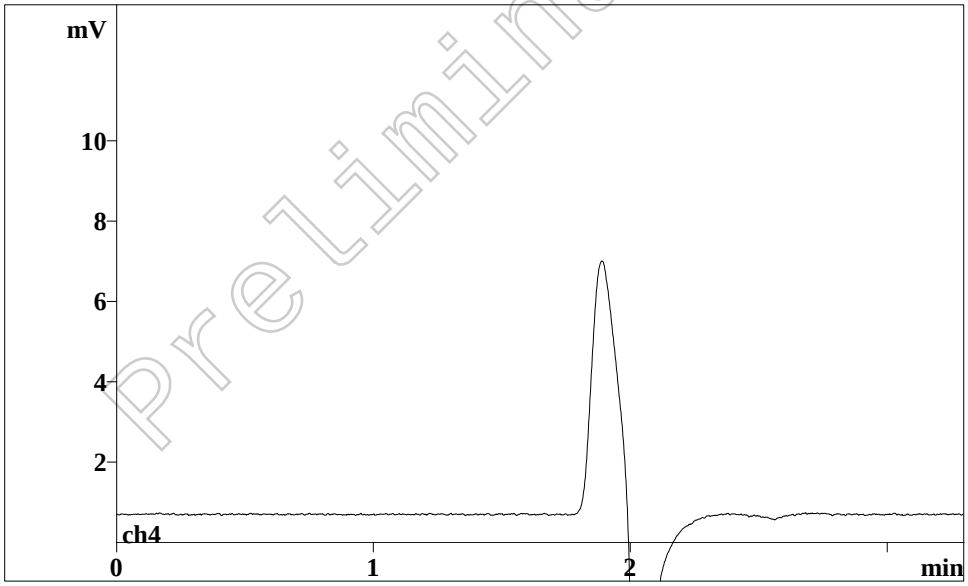
Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20605

SAMPLE: 100ul loop
:
Vial number: 79
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No peaks

Preliminary Data

Report date: 11/24/2009 10:42:47 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-6-B DU@5
Analysis from: 10/28/2009 8:44:28 PM
File: ta282044.chw Last save: 10/28/2009 8:47:47 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20606

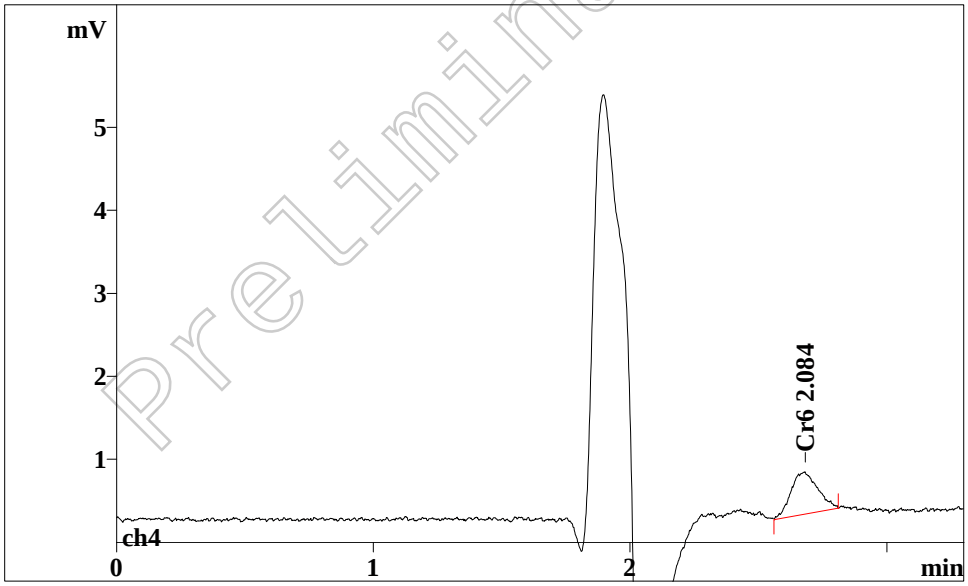
SAMPLE: 100ul loop
:
Vial number: 80
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.67;	0.117;	0.51;	99.32;	3.724;	100.00;	0.00;	0.00;	30

Report date: 11/24/2009 10:42:50 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-6-B DU@5
Analysis from: 10/28/2009 8:51:44 PM
File: ta282051.chw Last save: 10/28/2009 8:55:02 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20607

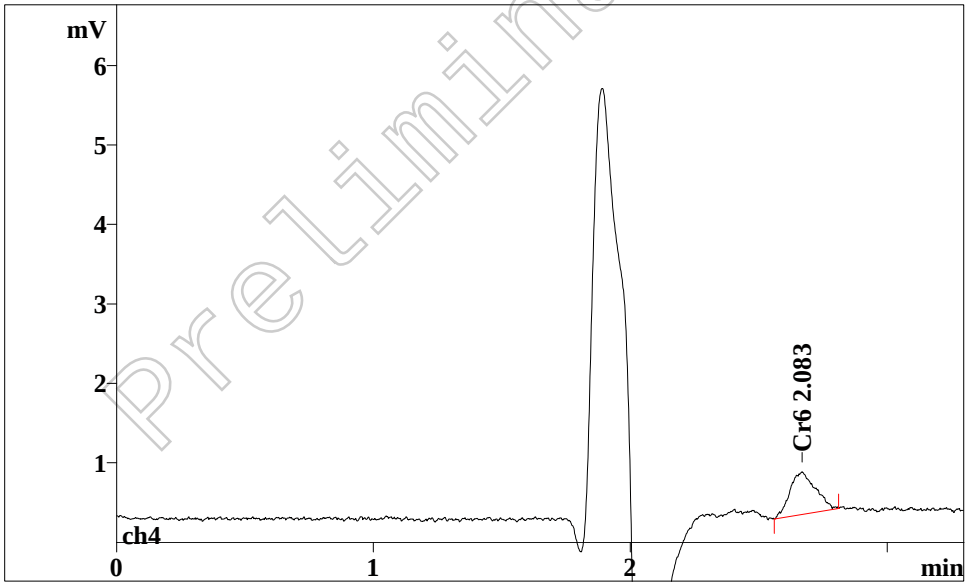
SAMPLE: 100ul loop
:
Vial number: 81
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.67;	0.113;	0.53;	98.88;	3.720;	100.00;	0.00;	0.00;	33

Report date: 11/24/2009 10:42:54 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-6-C MS@40
Analysis from: 10/28/2009 8:58:58 PM
File: ta282058.chw Last save: 10/28/2009 9:02:17 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20608

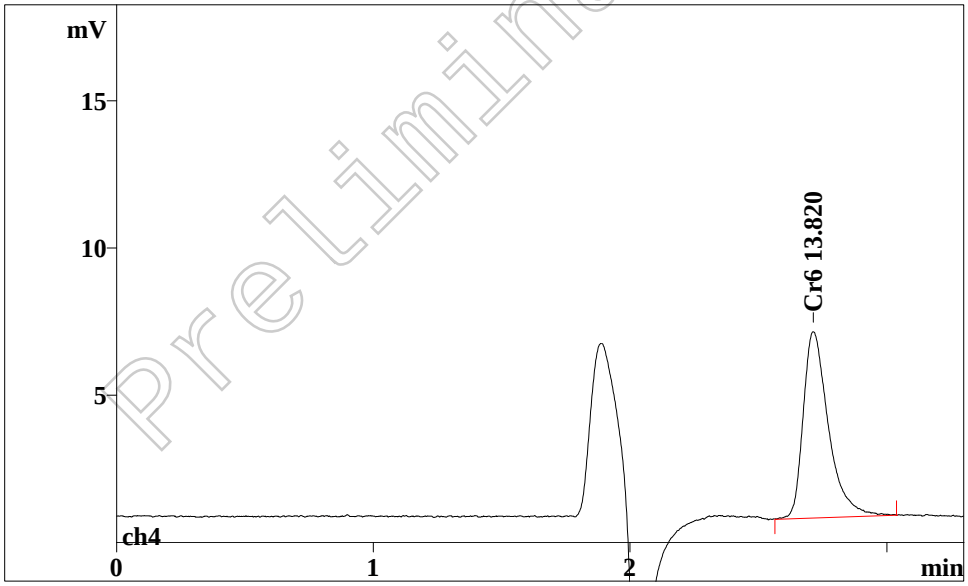
SAMPLE: 100ul loop
:
Vial number: 82
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.100;	6.34;	100.09;	43.386;	100.00;	0.00;	0.00;	35

Report date: 11/24/2009 10:42:59 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-6-C MS@40
Analysis from: 10/28/2009 9:06:12 PM
File: ta282106.chw Last save: 10/28/2009 9:09:30 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20609

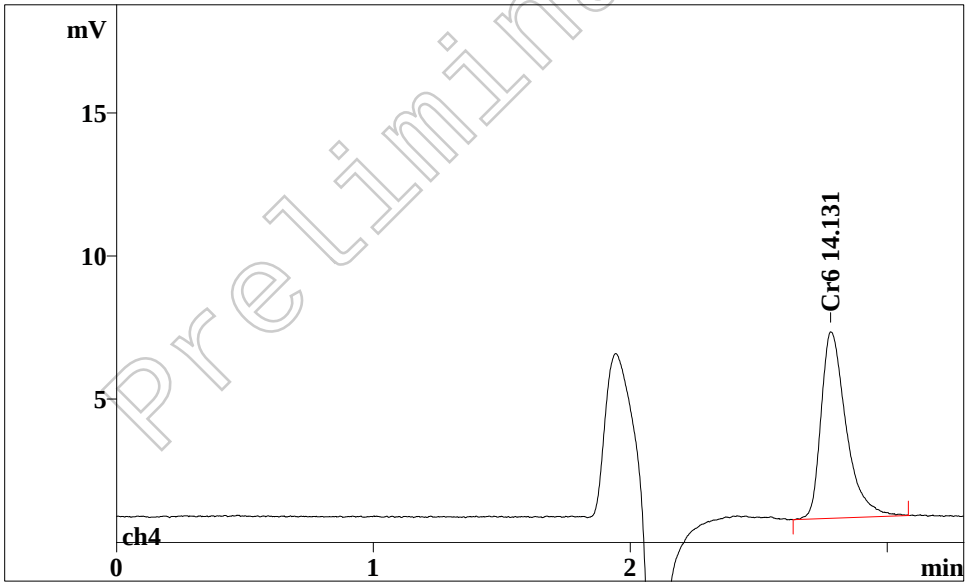
SAMPLE: 100ul loop
:
Vial number: 83
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.0 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.78;	0.100;	6.52;	99.95;	44.438;	100.00;	0.00;	0.00;	37

Report date: 11/24/2009 10:43:02 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-6-D MSI@500
Analysis from: 10/28/2009 9:13:28 PM
File: ta282113.chw Last save: 10/28/2009 9:16:46 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20610

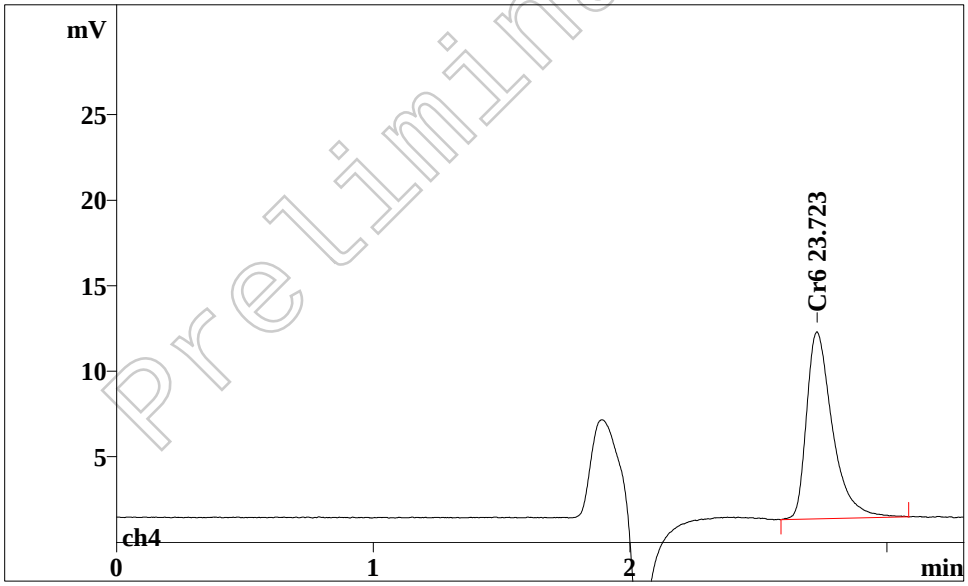
SAMPLE: 100ul loop
:
Vial number: 84
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.103;	10.93;	99.93;	76.853;	100.00;	0.00;	0.00;	34

Report date: 11/24/2009 10:43:06 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-6-D MSI@500
Analysis from: 10/28/2009 9:20:42 PM
File: ta282120.chw Last save: 10/28/2009 9:24:00 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20611

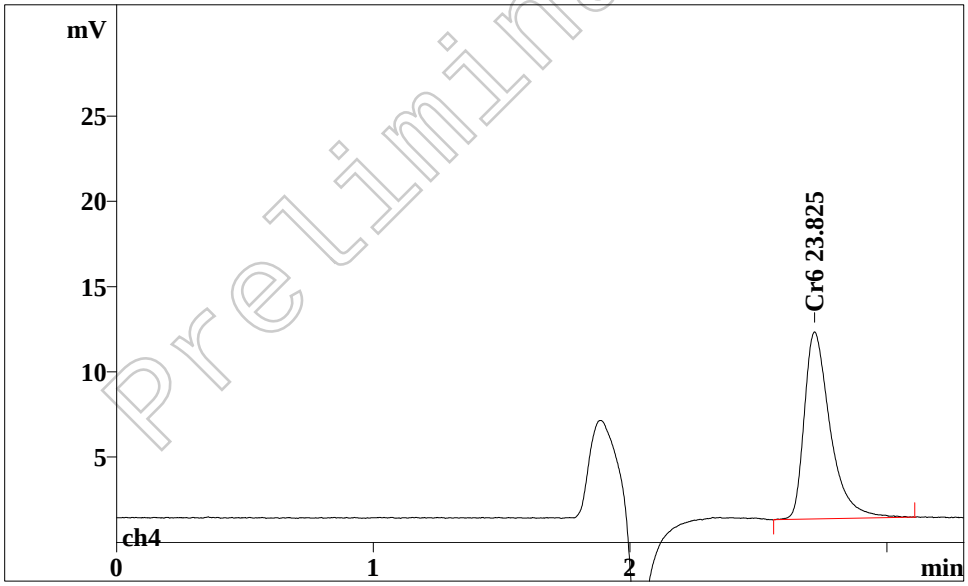
SAMPLE: 100ul loop
:
Vial number: 85
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.102;	10.98;	99.94;	77.197;	100.00;	0.00;	0.00;	33

Report date: 11/24/2009 10:43:11 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-7-A@5
Analysis from: 10/28/2009 9:27:56 PM
File: ta282127.chw Last save: 10/28/2009 9:31:15 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20612

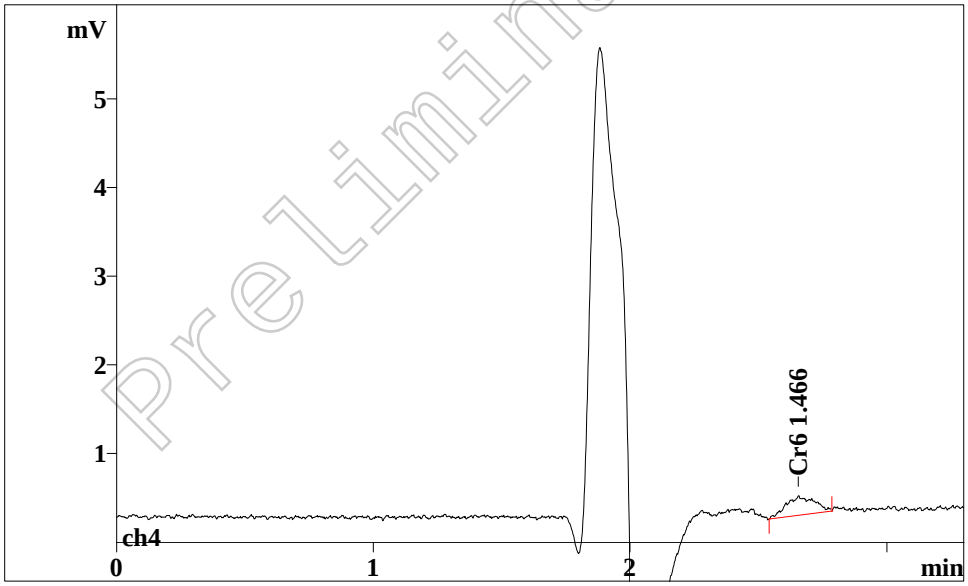
SAMPLE: 100ul loop
:
Vial number: 86
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.66;	0.138;	0.21;	95.63;	1.635;	100.00;	0.00;	0.00;	28

Report date: 11/24/2009 10:43:16 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-7-A@5
Analysis from: 10/28/2009 9:35:12 PM
File: ta282135.chw Last save: 10/28/2009 9:38:30 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20613

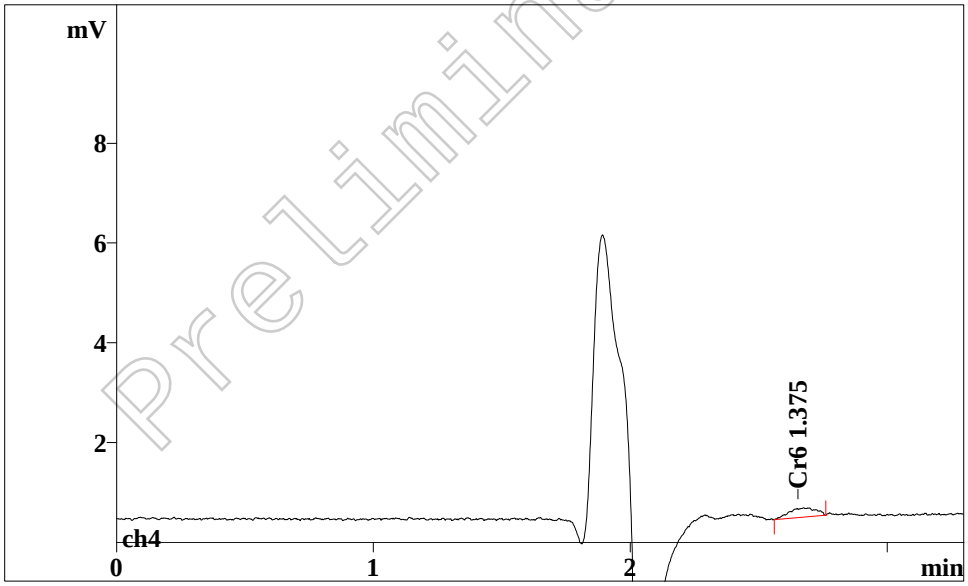
SAMPLE: 100ul loop
:
Vial number: 87
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.65;	0.132;	0.17;	93.65;	1.329;	100.00;	0.00;	0.00;	30

Report date: 11/24/2009 10:43:21 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-6-A PDS@40
Analysis from: 10/28/2009 9:42:28 PM
File: ta282142.chw Last save: 10/28/2009 9:45:46 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20614

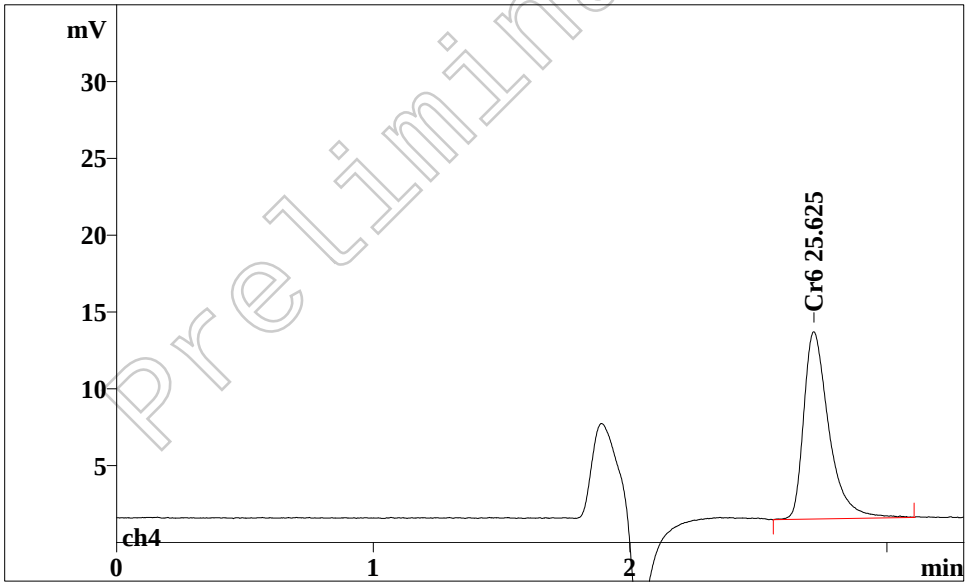
SAMPLE: 100ul loop
:
Vial number: 88
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.099;	12.21;	100.02;	83.281;	100.00;	0.00;	0.00;	35

Report date: 11/24/2009 10:43:24 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-6-A PDS@40
Analysis from: 10/28/2009 9:49:45 PM
File: ta282149.chw Last save: 10/28/2009 9:53:03 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20615

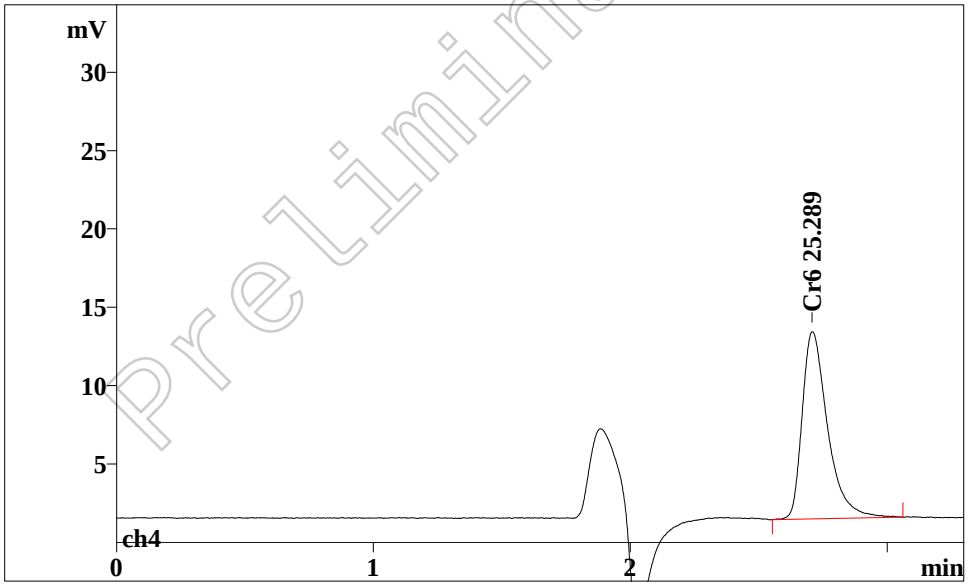
SAMPLE: 100ul loop
:
Vial number: 89
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.101;	11.95;	100.01;	82.147;	100.00;	0.00;	0.00;	35

Report date: 11/24/2009 10:43:28 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 10/28/2009 9:57:03 PM
File: ta282157.chw Last save: 10/28/2009 10:00:21 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20616

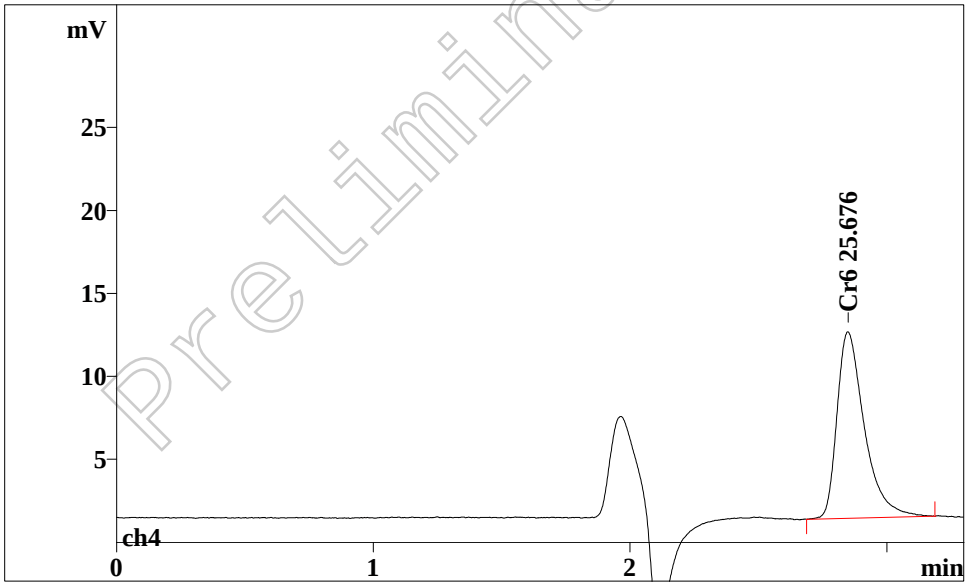
SAMPLE: 100ul loop
:
Vial number: 90
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.85;	0.109;	11.26;	100.01;	83.453;	100.00;	0.00;	0.00;	33

Report date: 11/24/2009 10:43:33 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 10/28/2009 10:04:22 PM
File: ta282204.chw Last save: 10/28/2009 10:07:40 PM

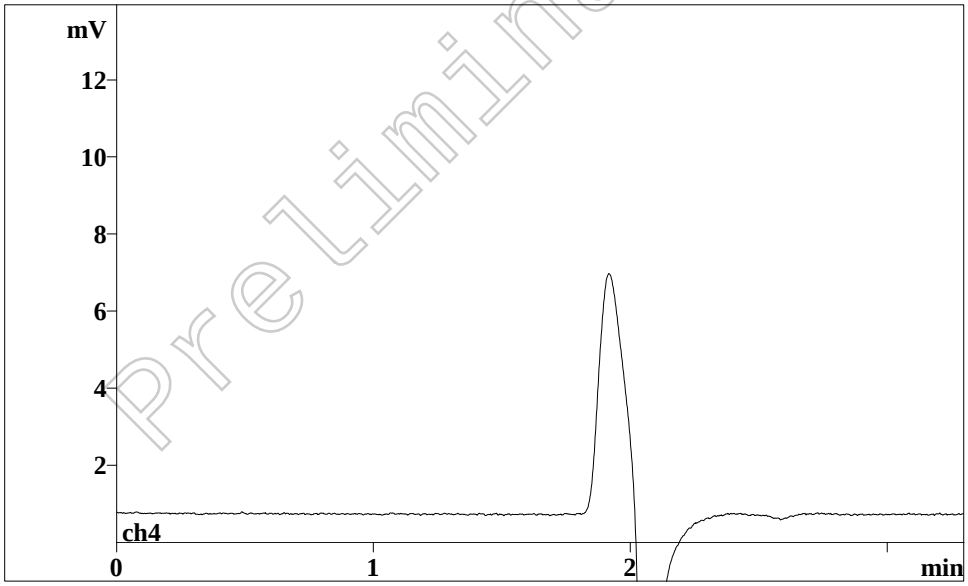
Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20617

SAMPLE: 100ul loop
:
Vial number: 91
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.3 MPa



No peaks

Preliminary Data

Report date: 11/24/2009 10:43:37 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20680/1-A@2
Analysis from: 10/28/2009 10:11:41 PM
File: ta282211.chw Last save: 10/28/2009 10:15:00 PM

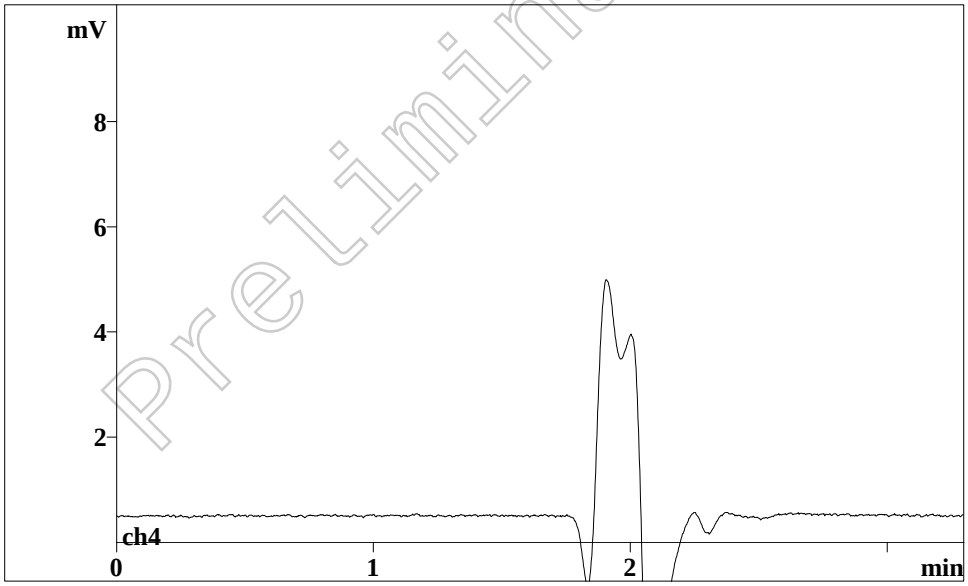
Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20618

SAMPLE: 100ul loop
:
Vial number: 92
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa



No peaks

Preliminary Data

Report date: 11/24/2009 10:43:41 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20680/1-A@2
Analysis from: 10/28/2009 10:19:01 PM
File: ta282219.chw Last save: 10/28/2009 10:22:20 PM

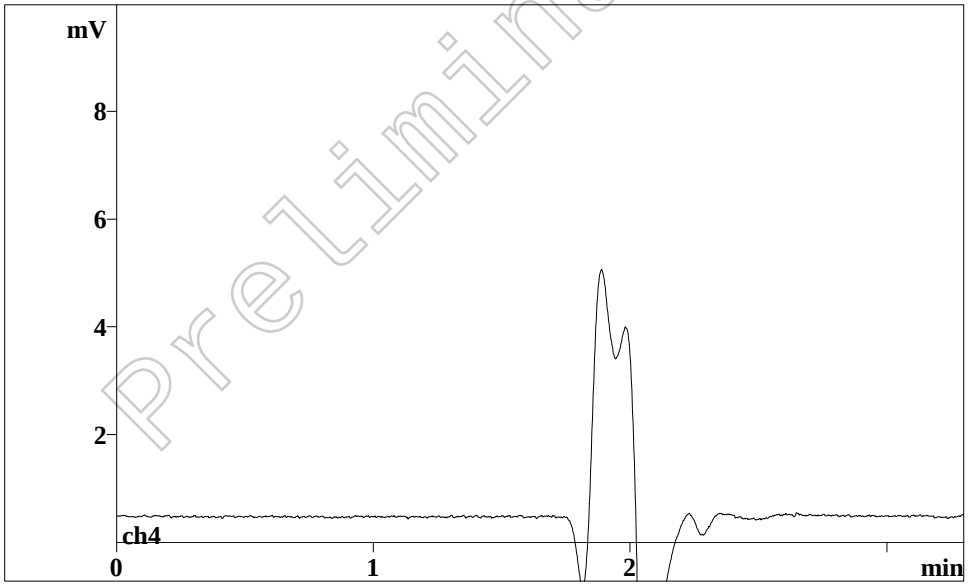
Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20619

SAMPLE: 100ul loop
:
Vial number: 93
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No peaks

Preliminary Data

Report date: 11/24/2009 10:43:45 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20680/2-A@25
Analysis from: 10/28/2009 10:26:22 PM
File: ta282226.chw Last save: 10/28/2009 10:29:40 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20620

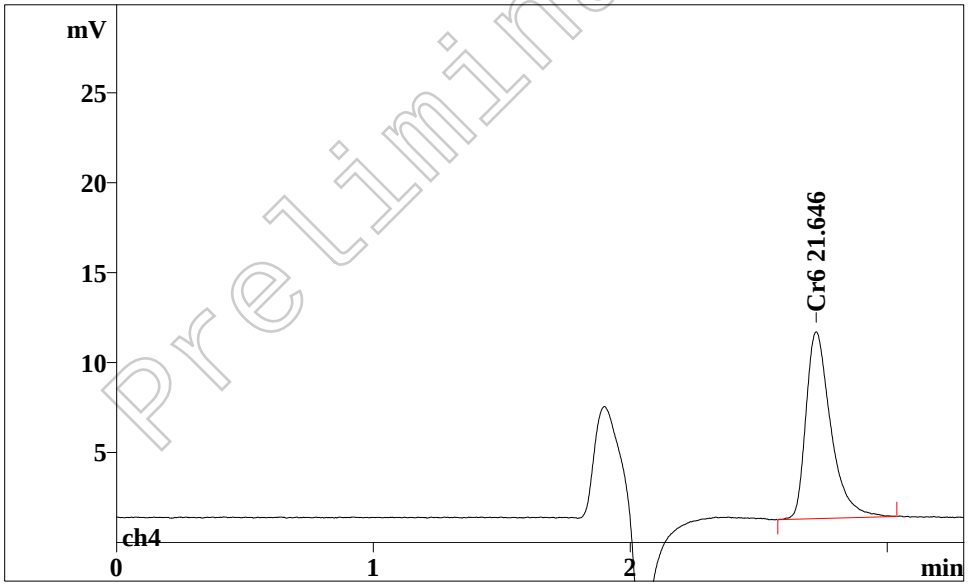
SAMPLE: 100ul loop
:
Vial number: 94
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.099;	10.39;	99.99;	69.834;	100.00;	0.00;	0.00;	37

Report date: 11/24/2009 10:43:48 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20680/2-A@25
Analysis from: 10/28/2009 10:33:44 PM
File: ta282233.chw Last save: 10/28/2009 10:37:02 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20621

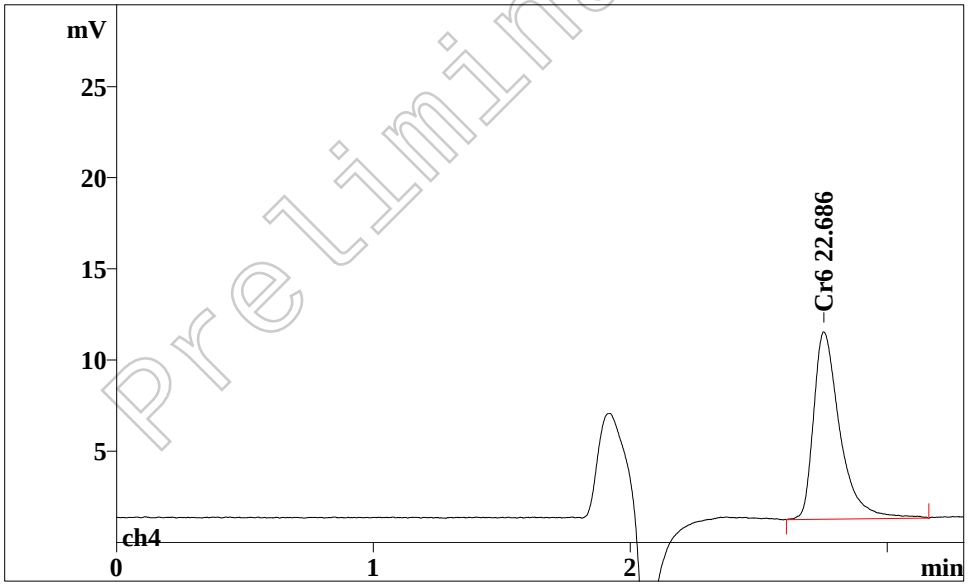
SAMPLE: 100ul loop
:
Vial number: 95
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.75;	0.103;	10.28;	99.92;	73.348;	100.00;	0.00;	0.00;	33

Report date: 11/24/2009 10:43:52 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20680/3-A@500
Analysis from: 10/28/2009 10:41:06 PM
File: ta282241.chw Last save: 10/28/2009 10:44:25 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20622

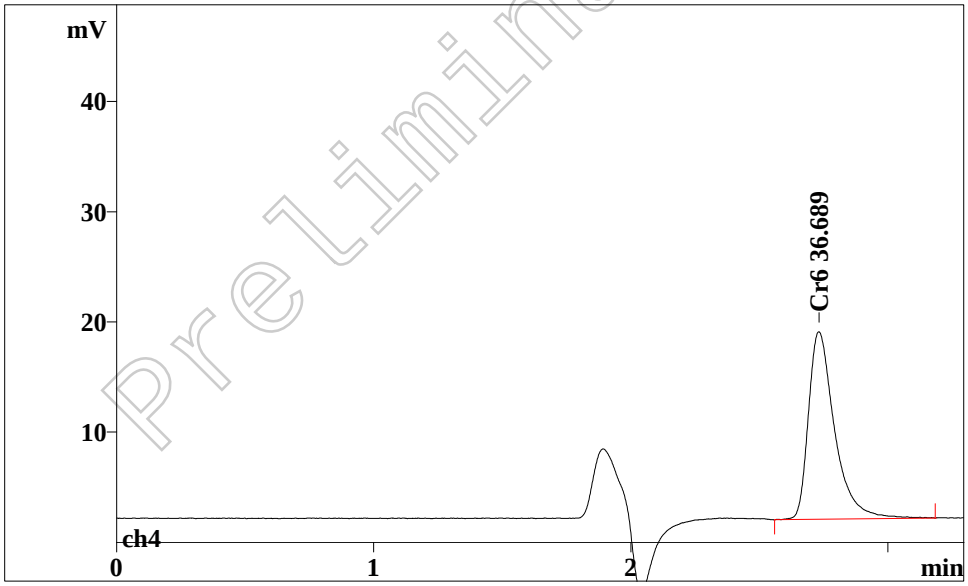
SAMPLE: 100ul loop
:
Vial number: 96
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.103;	17.02;	100.03;	120.672;	100.00;	0.00;	0.00;	33

Report date: 11/24/2009 10:43:55 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20680/3-A@500
Analysis from: 10/28/2009 10:48:30 PM
File: ta282248.chw Last save: 10/28/2009 10:51:48 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20623

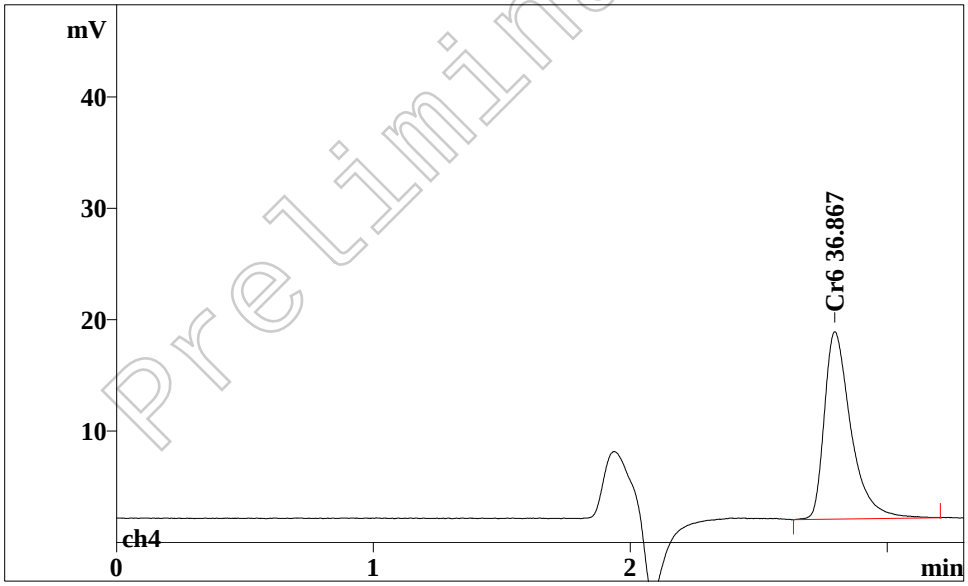
SAMPLE: 100ul loop
:
Vial number: 97
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.80;	0.105;	16.84;	100.06;	121.273;	100.00;	0.00;	0.00;	34

Report date: 11/24/2009 10:43:59 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-8-A@5
Analysis from: 10/28/2009 10:55:54 PM
File: ta282255.chw Last save: 10/28/2009 10:59:12 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20624

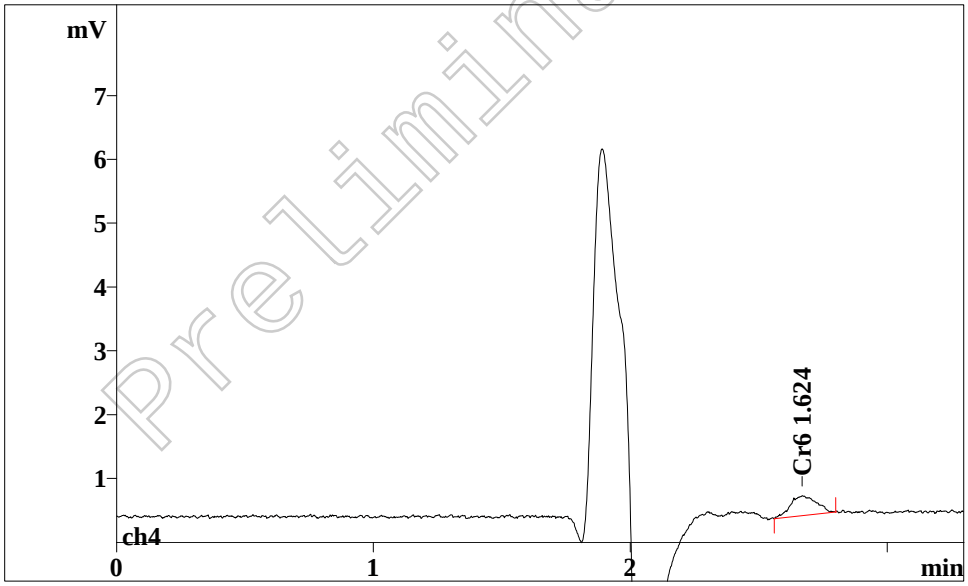
SAMPLE: 100ul loop
:
Vial number: 98
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.67;	0.114;	0.31;	98.69;	2.171;	100.00;	0.00;	0.00;	32

Report date: 11/24/2009 10:44:03 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-8-A@5
Analysis from: 10/28/2009 11:03:18 PM
File: ta282303.chw Last save: 10/28/2009 11:06:37 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20625

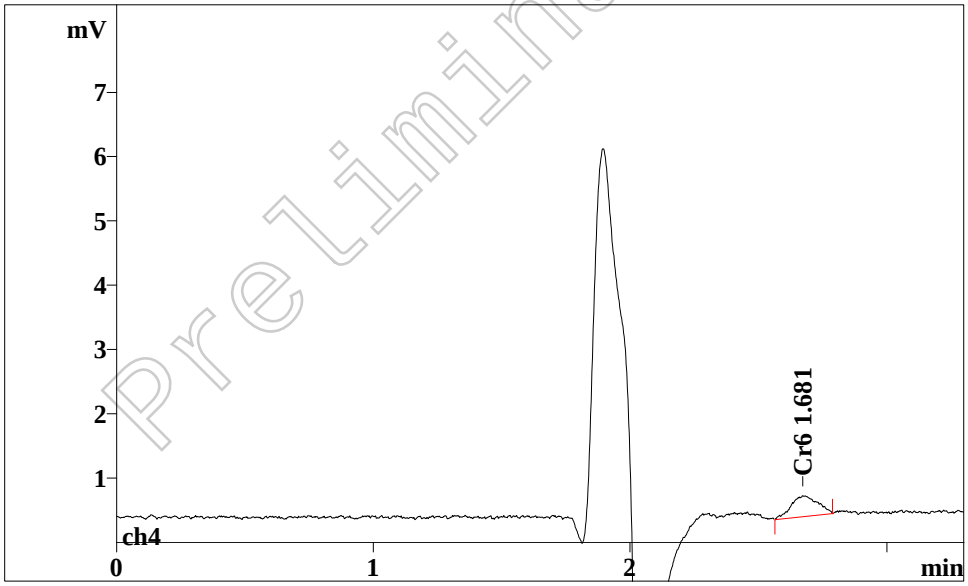
SAMPLE: 100ul loop
:
Vial number: 99
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.68;	0.122;	0.32;	98.78;	2.364;	100.00;	0.00;	0.00;	31

Report date: 11/24/2009 10:44:06 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-8-B DU@5
Analysis from: 10/28/2009 11:10:42 PM
File: ta282310.chw Last save: 10/28/2009 11:14:01 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20626

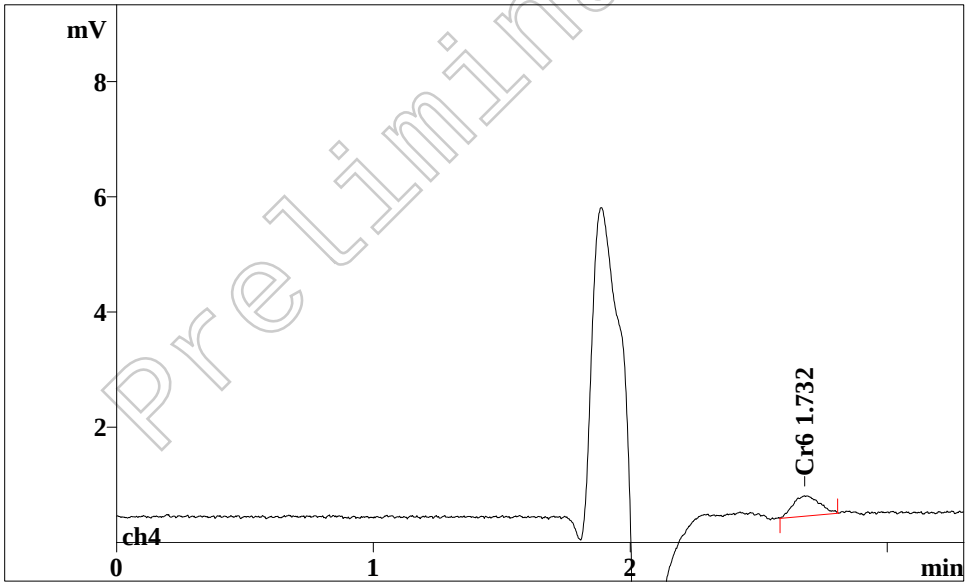
SAMPLE: 100ul loop
:
Vial number: 100
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.68;	0.122;	0.35;	98.74;	2.534;	100.00;	0.00;	0.00;	31

Report date: 11/24/2009 10:44:11 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-8-B DU@5
Analysis from: 10/28/2009 11:18:07 PM
File: ta282318.chw Last save: 10/28/2009 11:21:26 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20627

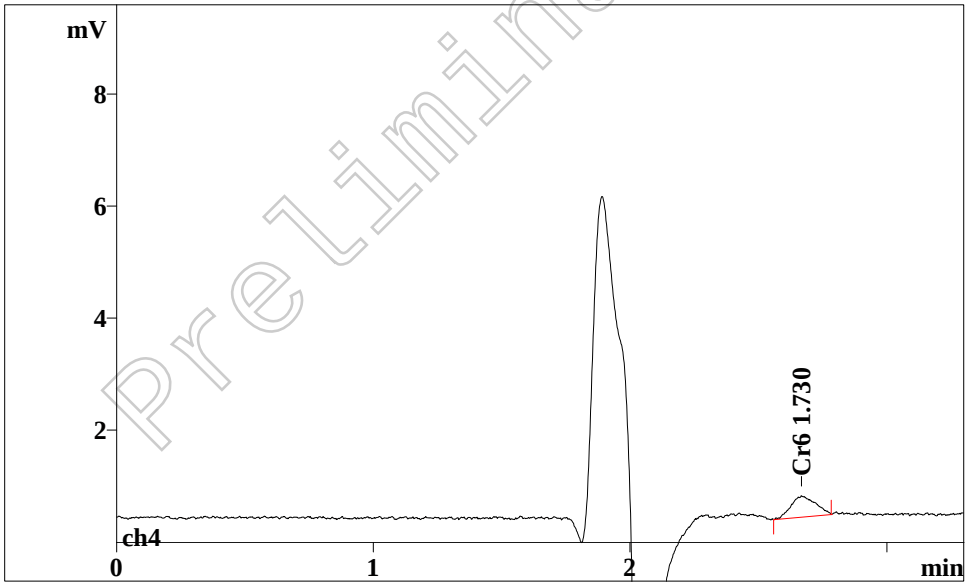
SAMPLE: 100ul loop
:
Vial number: 101
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.67;	0.110;	0.37;	97.73;	2.527;	100.00;	0.00;	0.00;	36

Report date: 11/24/2009 10:44:15 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 10/28/2009 11:25:32 PM
File: ta282325.chw Last save: 10/28/2009 11:28:50 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20628

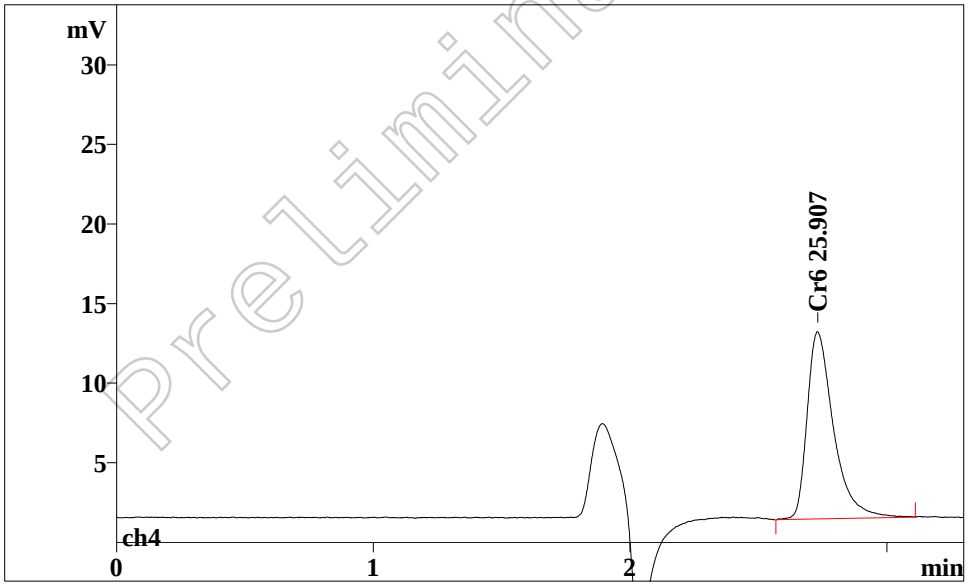
SAMPLE: 100ul loop
:
Vial number: 102
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.104;	11.76;	99.95;	84.234;	100.00;	0.00;	0.00;	32

Report date: 11/24/2009 10:44:19 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 10/28/2009 11:32:56 PM
File: ta282332.chw Last save: 10/28/2009 11:36:14 PM

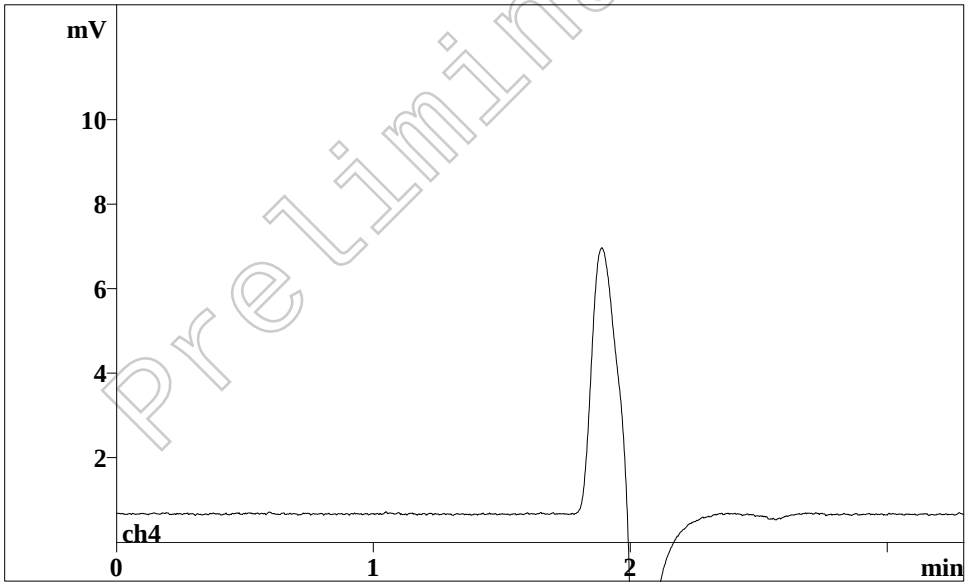
Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20629

SAMPLE: 100ul loop
:
Vial number: 103
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa



No peaks

Preliminary Data

Report date: 11/24/2009 10:44:23 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-8-C MS@40
Analysis from: 10/28/2009 11:40:20 PM
File: ta282340.chw Last save: 10/28/2009 11:43:38 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20630

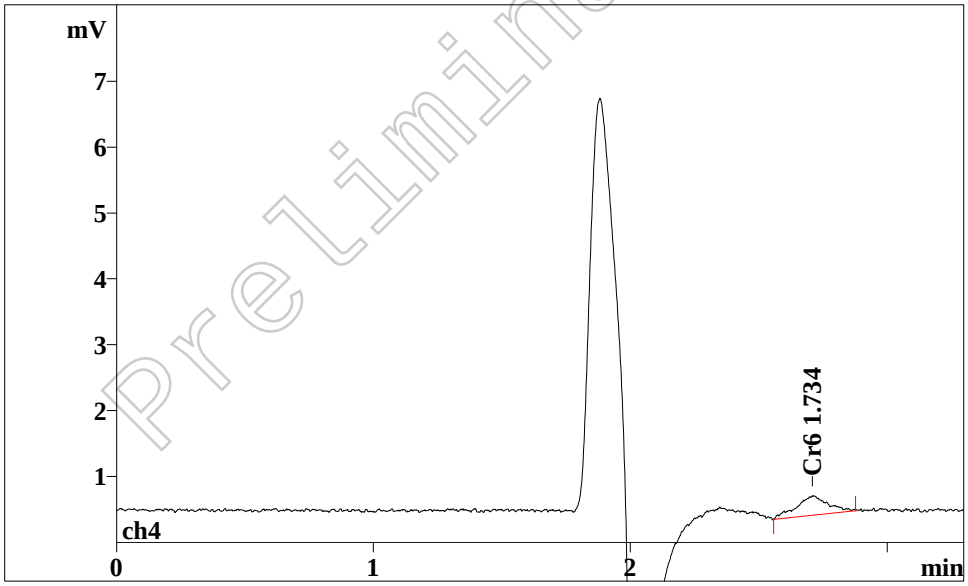
SAMPLE: 100ul loop
:
Vial number: 104
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.124;	0.28;	95.78;	2.543;	100.00;	0.00;	0.00;	22

Report date: 11/24/2009 10:44:27 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-8-C MS@40
Analysis from: 10/28/2009 11:47:44 PM
File: ta282347.chw Last save: 10/28/2009 11:51:03 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20631

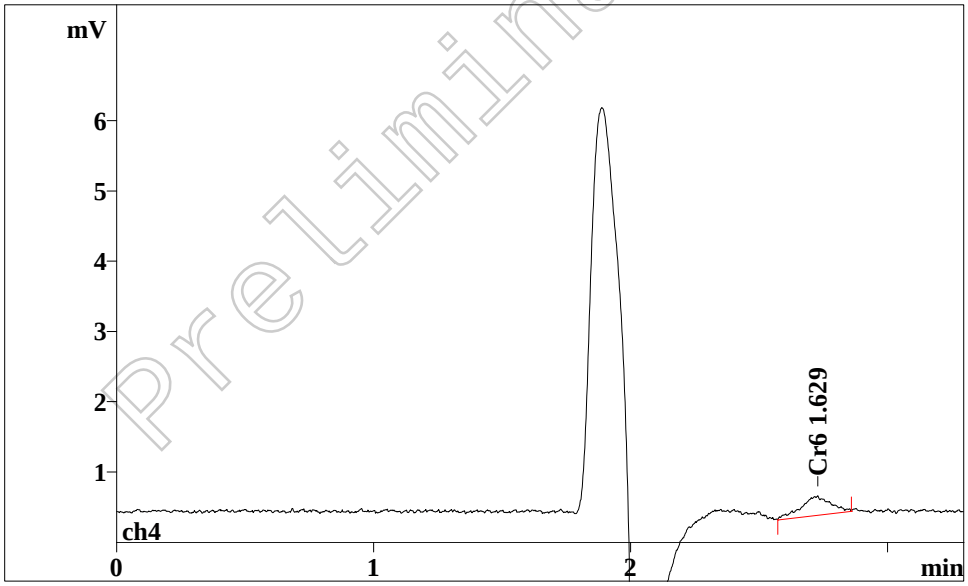
SAMPLE: 100ul loop
:
Vial number: 105
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.117;	0.26;	96.34;	2.188;	100.00;	0.00;	0.00;	26

Report date: 11/24/2009 10:44:31 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-8-D MSI@500
Analysis from: 10/28/2009 11:55:08 PM
File: ta282355.chw Last save: 10/28/2009 11:58:26 PM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20632

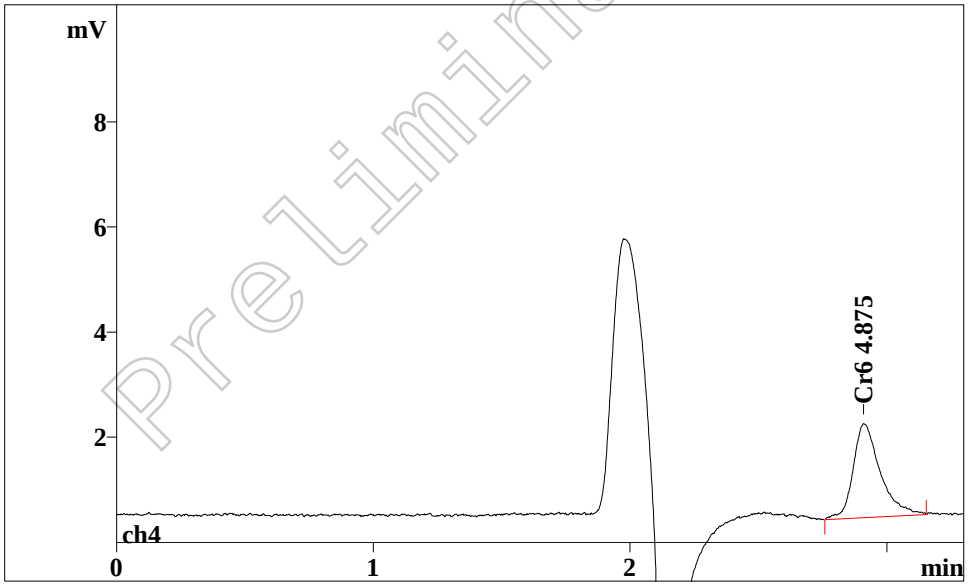
SAMPLE: 100ul loop
:
Vial number: 106
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.91;	0.104;	1.79;	99.91;	13.158;	100.00;	0.00;	0.00;	35

Report date: 11/24/2009 10:44:35 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-8-D MSI@500
Analysis from: 10/29/2009 12:02:31 AM
File: ta290002.chw Last save: 10/29/2009 12:05:49 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20633

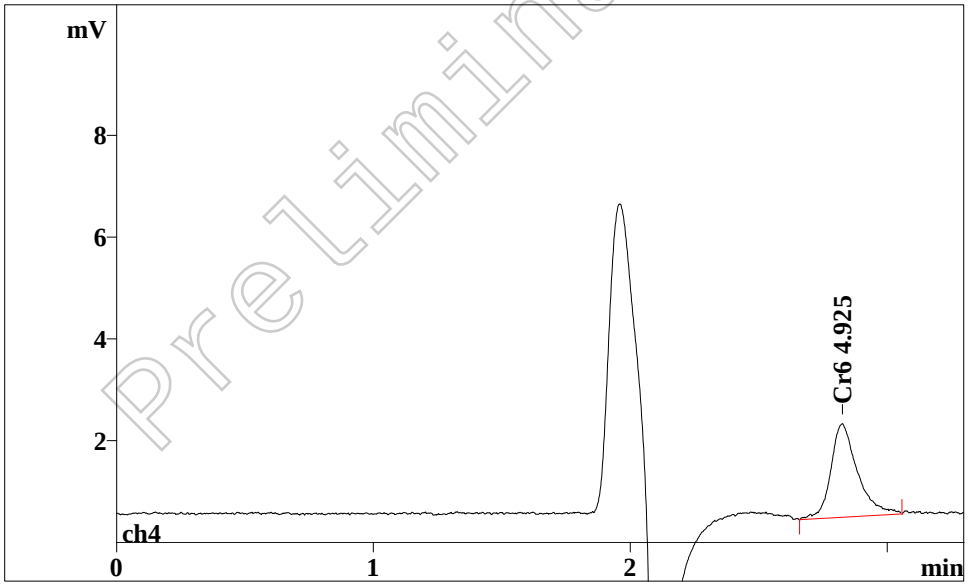
SAMPLE: 100ul loop
:
Vial number: 107
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.82;	0.102;	1.84;	99.83;	13.325;	100.00;	0.00;	0.00;	34

Report date: 11/24/2009 10:44:39 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-9-A@5
Analysis from: 10/29/2009 12:09:53 AM
File: ta290009.chw Last save: 10/29/2009 12:13:12 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20634

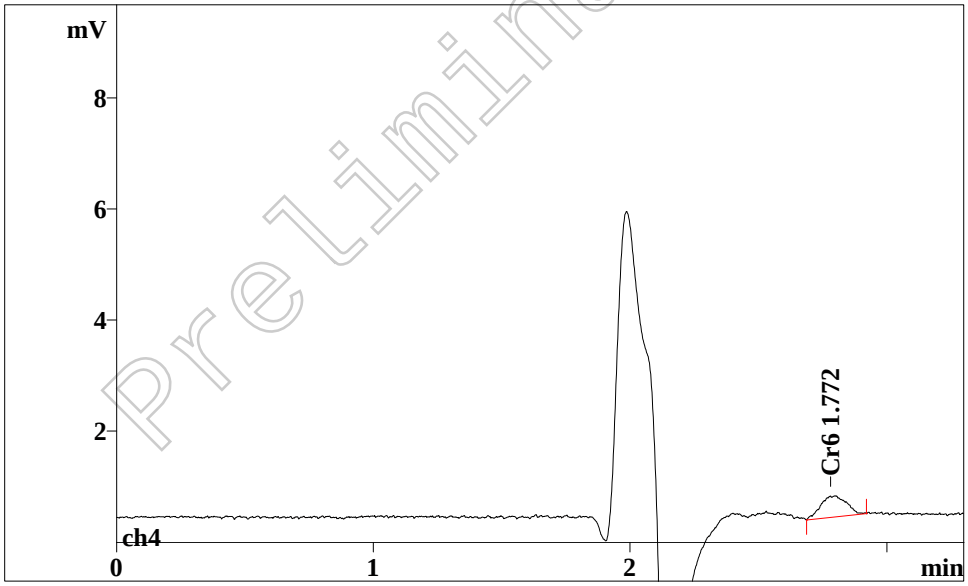
SAMPLE: 100ul loop
:
Vial number: 108
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.78;	0.116;	0.37;	97.15;	2.671;	100.00;	0.00;	0.00;	36

Report date: 11/24/2009 10:44:43 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-9-A@5
Analysis from: 10/29/2009 12:17:14 AM
File: ta290017.chw Last save: 10/29/2009 12:20:33 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20635

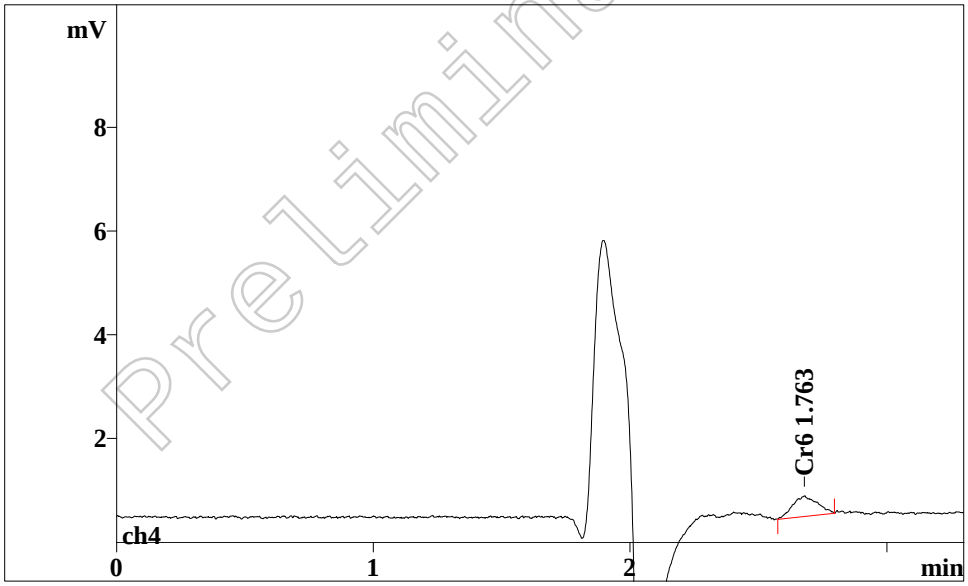
SAMPLE: 100ul loop
:
Vial number: 109
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.68;	0.113;	0.39;	98.75;	2.638;	100.00;	0.00;	0.00;	36

Report date: 11/24/2009 10:44:50 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-10-A@5
Analysis from: 10/29/2009 12:24:34 AM
File: ta290024.chw Last save: 10/29/2009 12:27:53 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20636

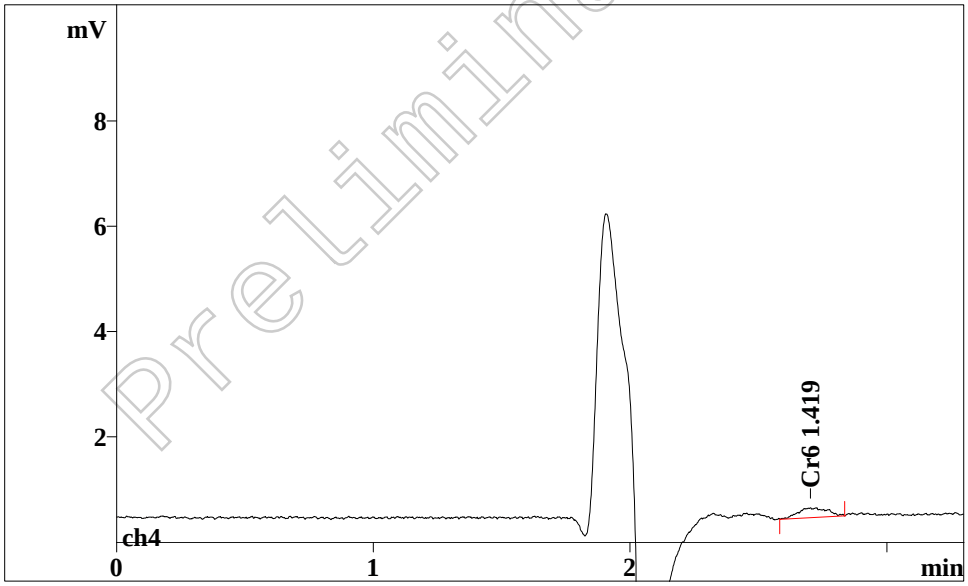
SAMPLE: 100ul loop
:
Vial number: 110
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.140;	0.18;	97.04;	1.475;	100.00;	0.00;	0.00;	26

Report date: 11/24/2009 10:44:54 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-10-A@5
Analysis from: 10/29/2009 12:31:55 AM
File: ta290031.chw Last save: 10/29/2009 12:35:13 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20637

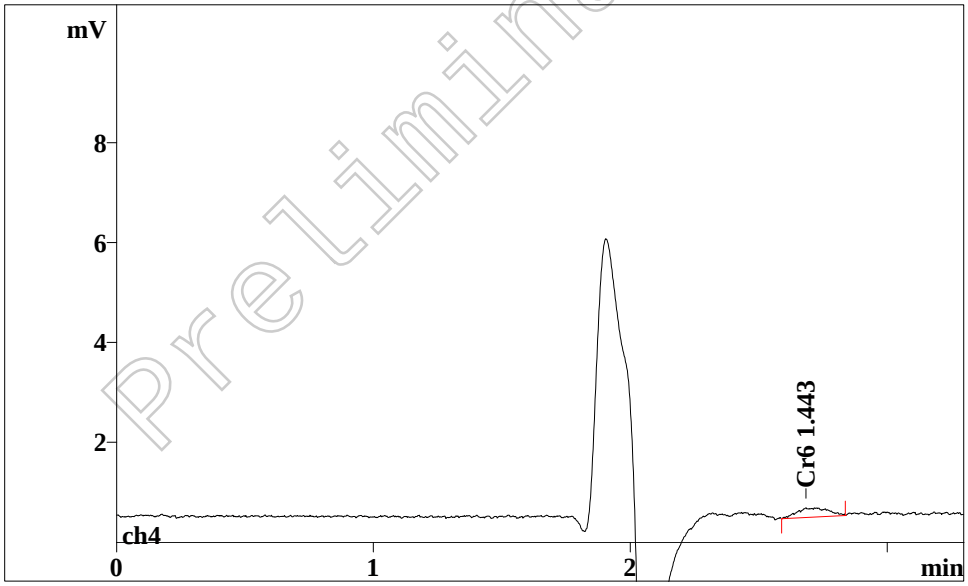
SAMPLE: 100ul loop
:
Vial number: 111
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.68;	0.156;	0.18;	95.47;	1.557;	100.00;	0.00;	0.00;	24

Report date: 11/24/2009 10:44:58 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-8-A PDS@40
Analysis from: 10/29/2009 12:39:14 AM
File: ta290039.chw Last save: 10/29/2009 12:42:32 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20638

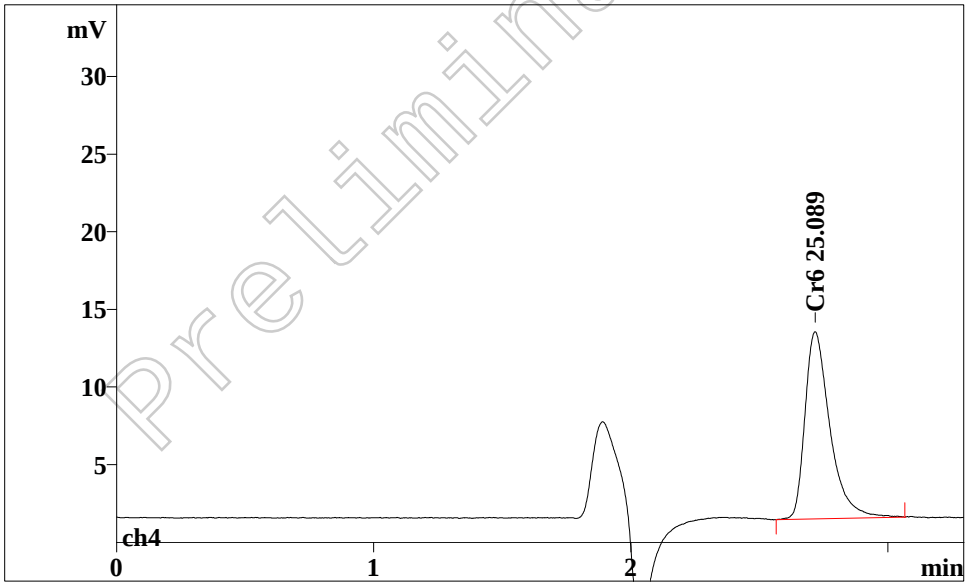
SAMPLE: 100ul loop
:
Vial number: 112
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.099;	12.06;	100.04;	81.471;	100.00;	0.00;	0.00;	36

Report date: 11/24/2009 10:45:01 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-8-A PDS@40
Analysis from: 10/29/2009 12:46:32 AM
File: ta290046.chw Last save: 10/29/2009 12:49:51 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20639

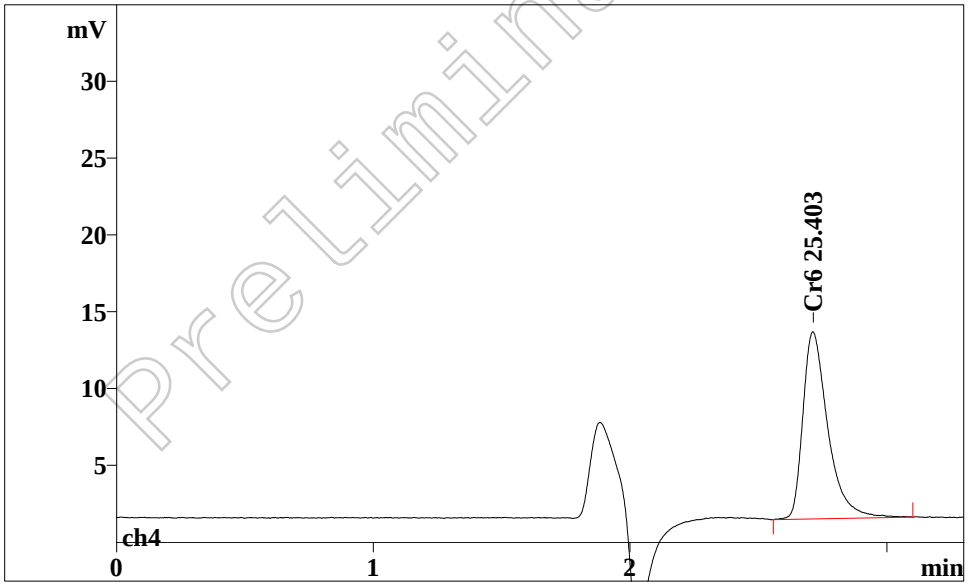
SAMPLE: 100ul loop
:
Vial number: 113
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.099;	12.18;	100.03;	82.531;	100.00;	0.00;	0.00;	36

Report date: 11/24/2009 10:45:05 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 10/29/2009 12:53:49 AM
File: ta290053.chw Last save: 10/29/2009 12:57:07 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20640

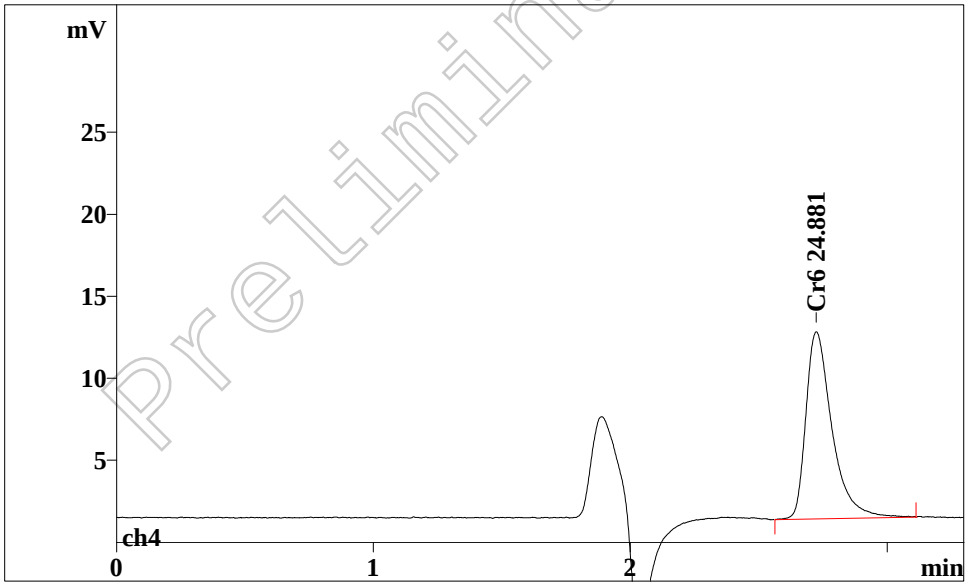
SAMPLE: 100ul loop
:
Vial number: 114
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.103;	11.41;	100.00;	80.767;	100.00;	0.00;	0.00;	33

Report date: 11/24/2009 10:45:09 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 10/29/2009 1:01:06 AM
File: ta290101.chw Last save: 10/29/2009 1:04:24 AM

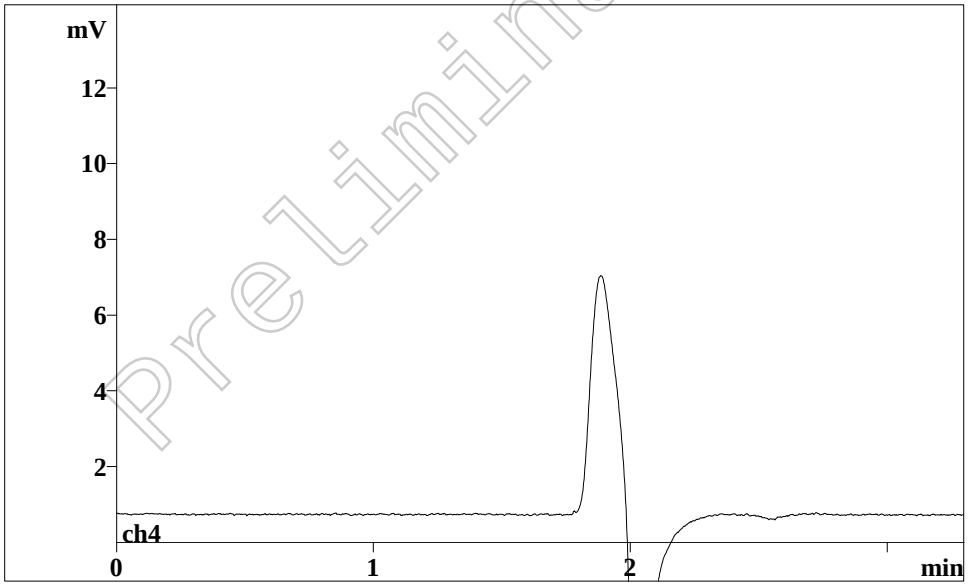
Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20641

SAMPLE: 100ul loop
:
Vial number: 115
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa



No peaks

Preliminary Data

Report date: 11/24/2009 10:45:13 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20681/1-A@2
Analysis from: 10/29/2009 1:08:21 AM
File: ta290108.chw Last save: 10/29/2009 1:11:40 AM

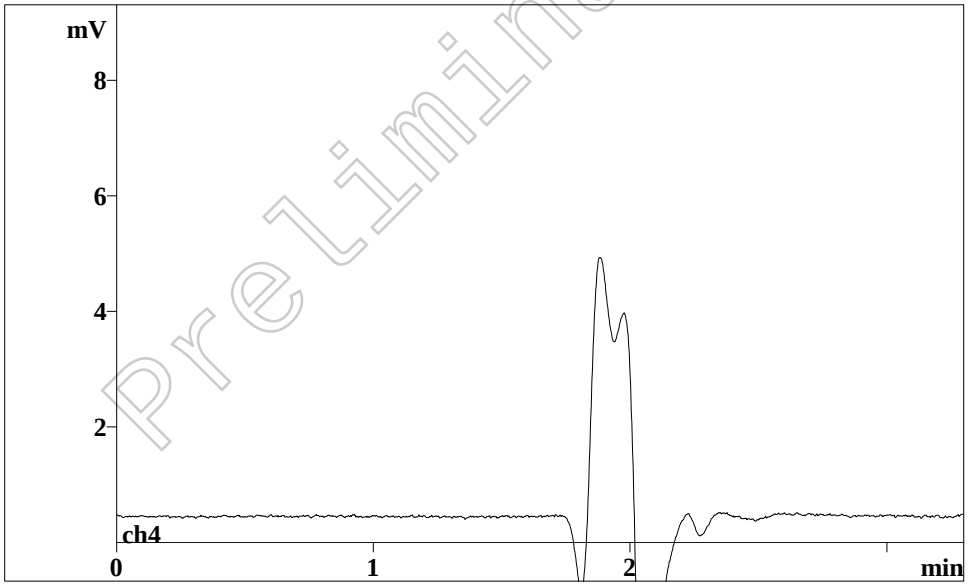
Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20642

SAMPLE: 100ul loop
:
Vial number: 116
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No peaks

Preliminary Data

Report date: 11/24/2009 10:45:18 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20681/1-A@2
Analysis from: 10/29/2009 1:15:36 AM
File: ta290115.chw Last save: 10/29/2009 1:18:55 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20643

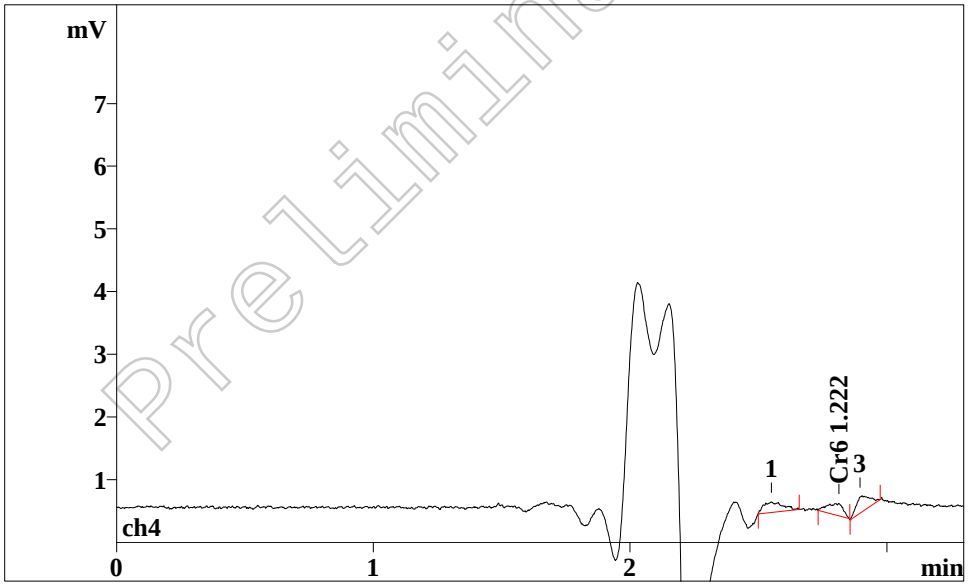
SAMPLE: 100ul loop
:
Vial number: 117
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.81;	0.070;	0.20;	31.37;	0.813;	31.33;	0.00;	0.75;	108

Report date: 11/24/2009 10:45:21 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20681/2-A@25
Analysis from: 10/29/2009 1:22:51 AM
File: ta290122.chw Last save: 10/29/2009 1:26:09 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20644

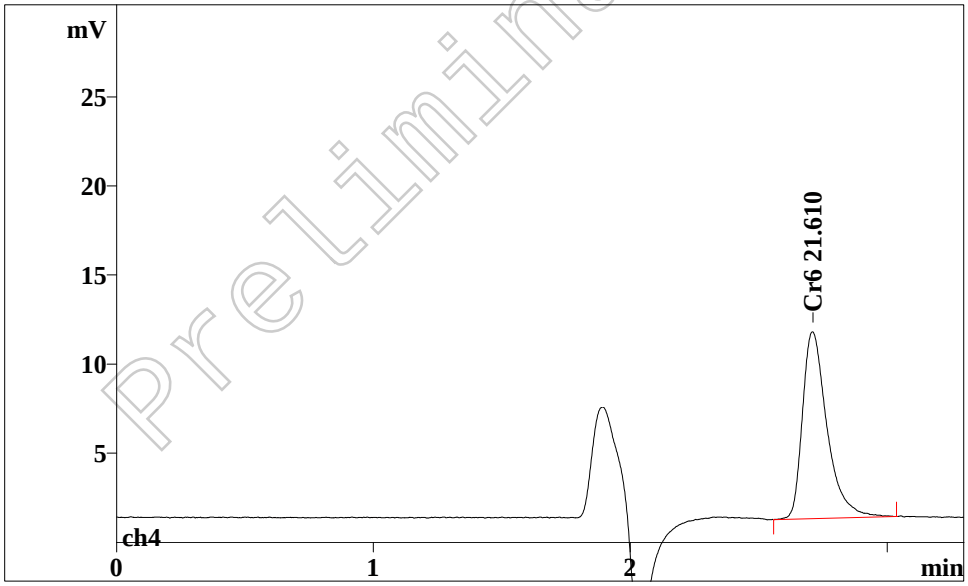
SAMPLE: 100ul loop
:
Vial number: 118
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.098;	10.49;	99.98;	69.713;	100.00;	0.00;	0.00;	37

Report date: 11/24/2009 10:45:25 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20681/2-A@25
Analysis from: 10/29/2009 1:30:07 AM
File: ta290130.chw Last save: 10/29/2009 1:33:25 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20645

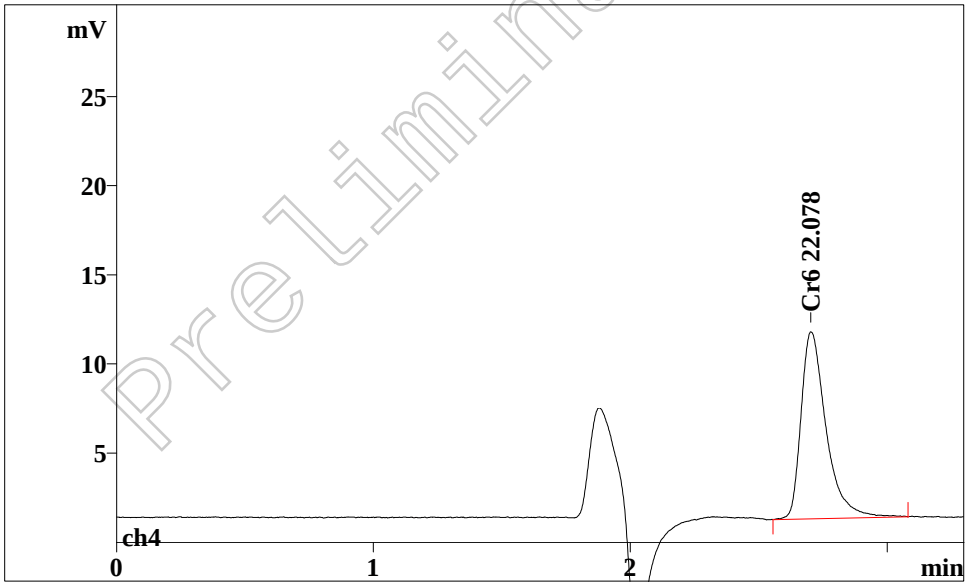
SAMPLE: 100ul loop
:
Vial number: 119
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.099;	10.50;	99.99;	71.295;	100.00;	0.00;	0.00;	35

Report date: 11/24/2009 10:45:28 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20681/3-A@500
Analysis from: 10/29/2009 1:37:21 AM
File: ta290137.chw Last save: 10/29/2009 1:40:39 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20646

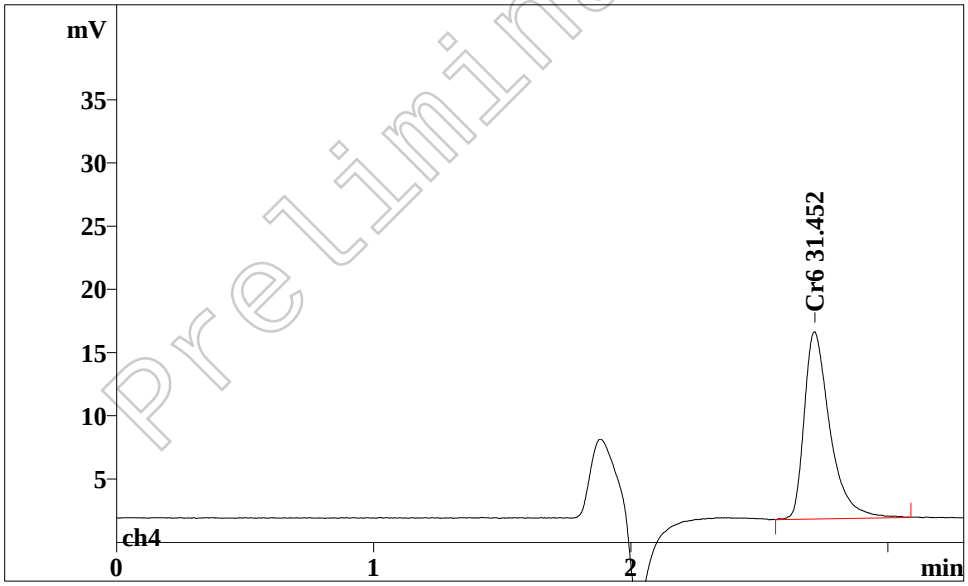
SAMPLE: 100ul loop
:
Vial number: 120
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.101;	14.81;	100.02;	102.975;	100.00;	0.00;	0.00;	34

Report date: 11/24/2009 10:45:31 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20681/3-A@500
Analysis from: 10/29/2009 1:44:36 AM
File: ta290144.chw Last save: 10/29/2009 1:47:54 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20647

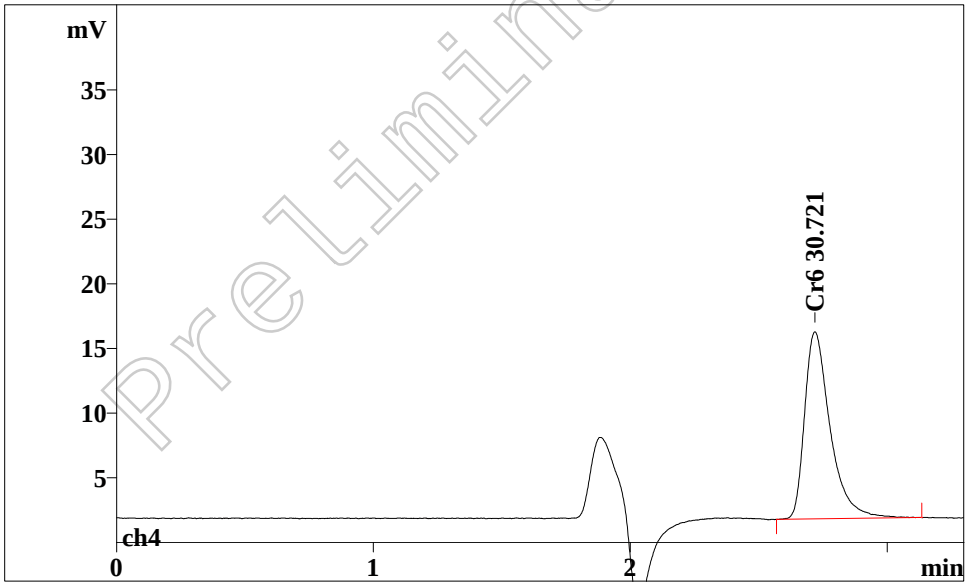
SAMPLE: 100ul loop
:
Vial number: 121
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.101;	14.49;	99.95;	100.506;	100.00;	0.00;	0.00;	34

Report date: 11/24/2009 10:45:34 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-11-A@5
Analysis from: 10/29/2009 1:51:52 AM
File: ta290151.chw Last save: 10/29/2009 1:55:11 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20648

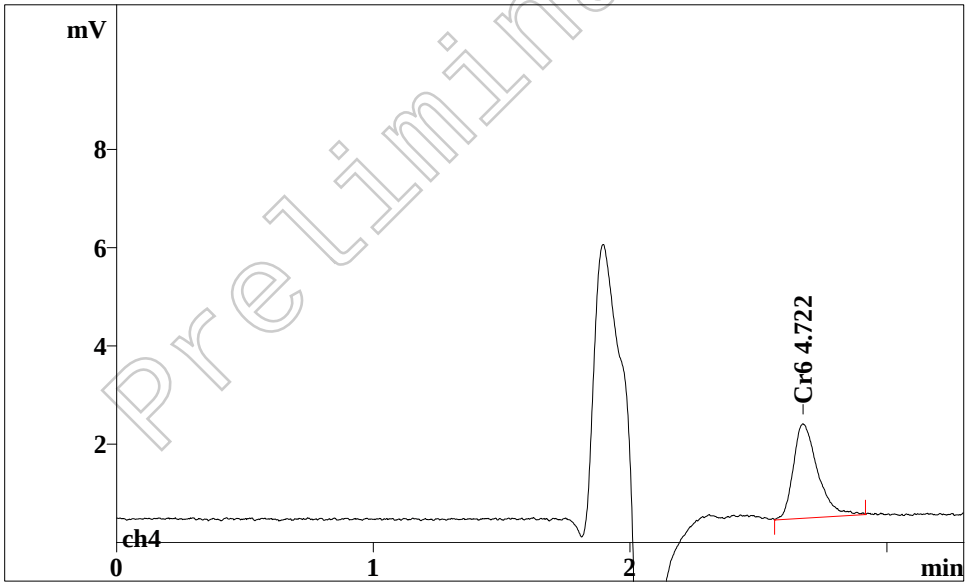
SAMPLE: 100ul loop
:
Vial number: 122
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.67;	0.097;	1.92;	99.76;	12.639;	100.00;	0.00;	0.00;	37

Report date: 11/24/2009 10:45:37 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-11-A@5
Analysis from: 10/29/2009 1:59:09 AM
File: ta290159.chw Last save: 10/29/2009 2:02:28 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20649

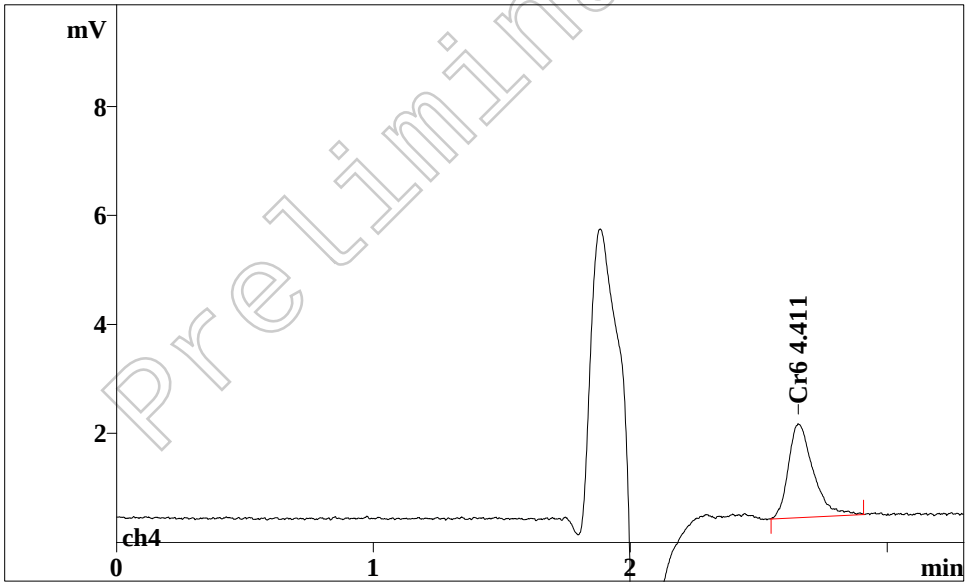
SAMPLE: 100ul loop
:
Vial number: 123
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.65;	0.099;	1.72;	99.53;	11.587;	100.00;	0.00;	0.00;	35

Report date: 11/24/2009 10:45:41 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-11-B DU@5
Analysis from: 10/29/2009 2:06:27 AM
File: ta290206.chw Last save: 10/29/2009 2:09:46 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20650

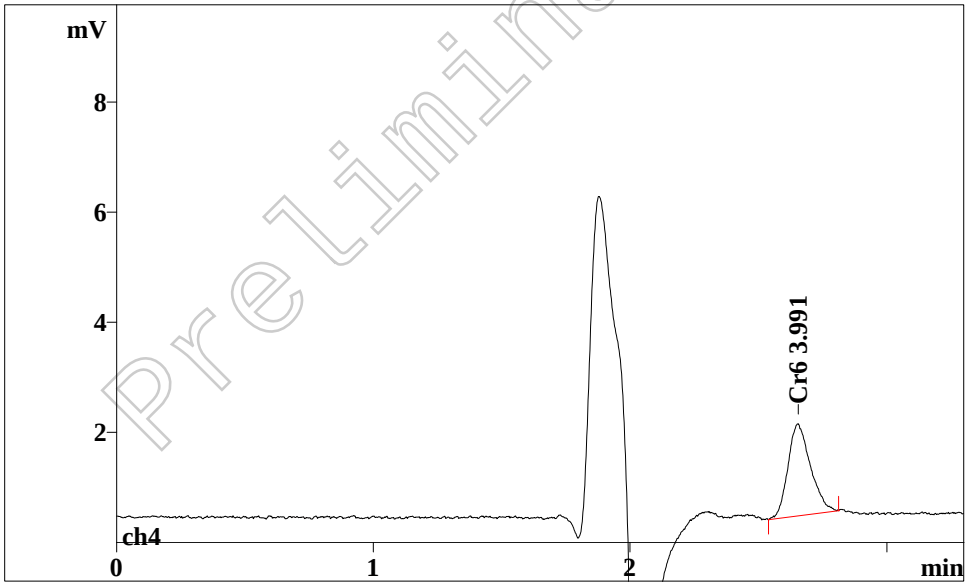
SAMPLE: 100ul loop
:
Vial number: 124
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.65;	0.092;	1.67;	100.14;	10.168;	100.00;	0.00;	0.00;	43

Report date: 11/24/2009 10:45:44 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-11-B DU@5
Analysis from: 10/29/2009 2:13:47 AM
File: ta290213.chw Last save: 10/29/2009 2:17:05 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20651

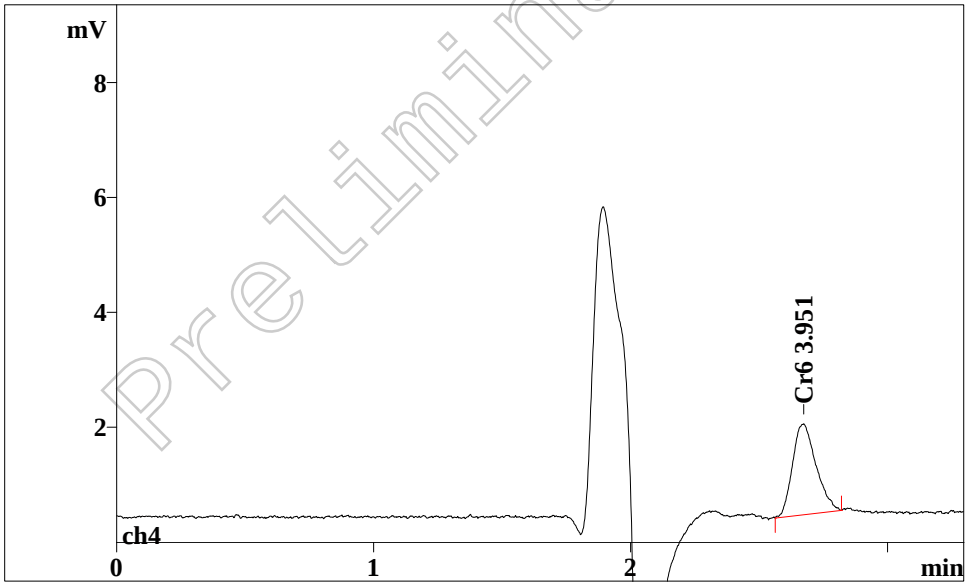
SAMPLE: 100ul loop
:
Vial number: 125
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.67;	0.099;	1.58;	99.85;	10.033;	100.00;	0.00;	0.00;	40

Report date: 11/24/2009 10:45:48 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 10/29/2009 2:21:06 AM
File: ta290221.chw Last save: 10/29/2009 2:24:25 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20652

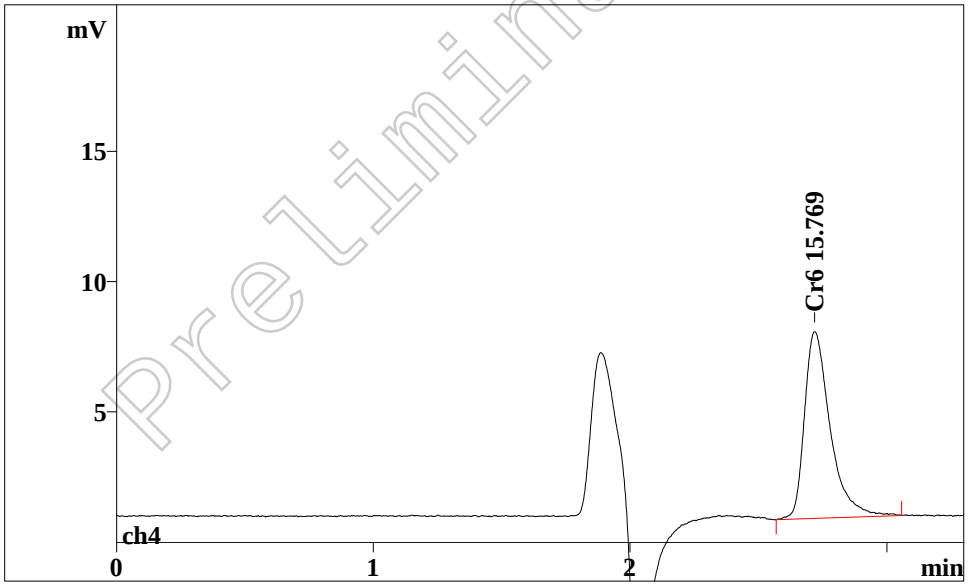
SAMPLE: 100ul loop
:
Vial number: 126
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.101;	7.16;	100.01;	49.974;	100.00;	0.00;	0.00;	34

Report date: 11/24/2009 10:45:52 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 10/29/2009 2:28:27 AM
File: ta290228.chw Last save: 10/29/2009 2:31:46 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20653

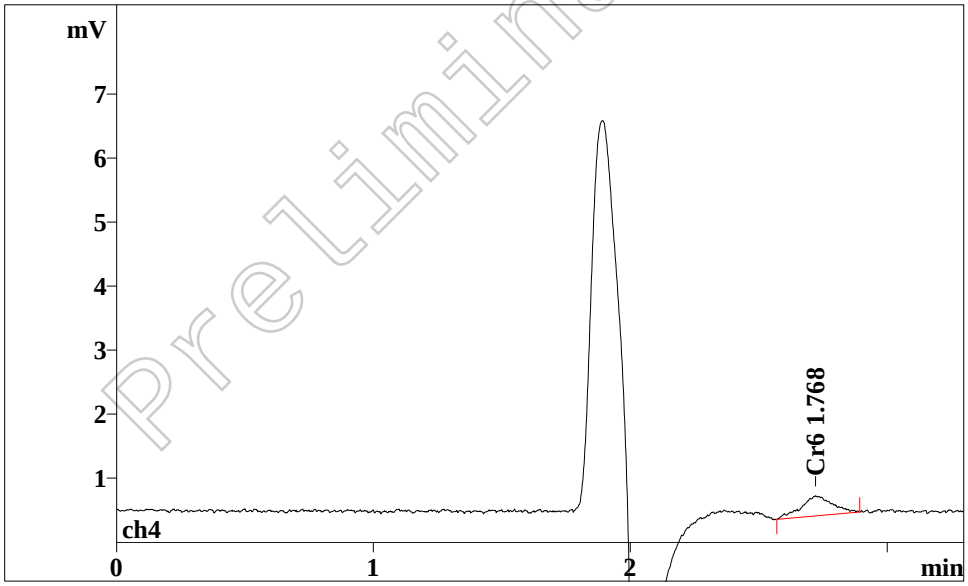
SAMPLE: 100ul loop
:
Vial number: 127
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.125;	0.31;	97.91;	2.657;	100.00;	0.00;	0.00;	23

Report date: 11/24/2009 10:46:03 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 10/29/2009 2:28:27 AM
File: ta290228.chw Last save: 10/29/2009 2:31:46 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20653

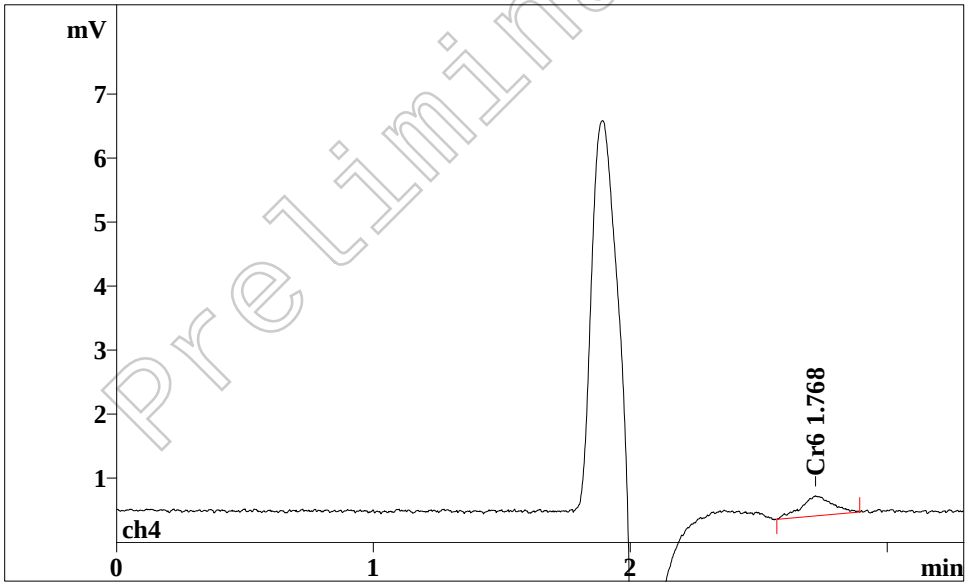
SAMPLE: 100ul loop
:
Vial number: 127
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.125;	0.31;	97.91;	2.657;	100.00;	0.00;	0.00;	23

Report date: 11/24/2009 10:46:06 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-11-C MS@40
Analysis from: 10/29/2009 2:35:49 AM
File: ta290235.chw Last save: 10/29/2009 2:39:07 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20654

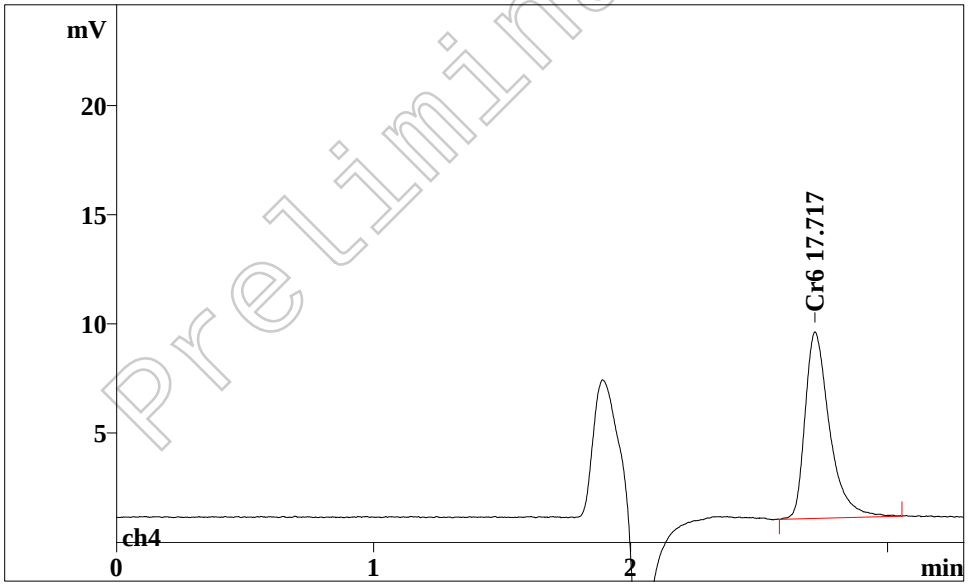
SAMPLE: 100ul loop
:
Vial number: 128
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.097;	8.55;	99.97;	56.556;	100.00;	0.00;	0.00;	38

Report date: 11/24/2009 10:46:09 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-11-C MS@40
Analysis from: 10/29/2009 2:43:11 AM
File: ta290243.chw Last save: 10/29/2009 2:46:30 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20655

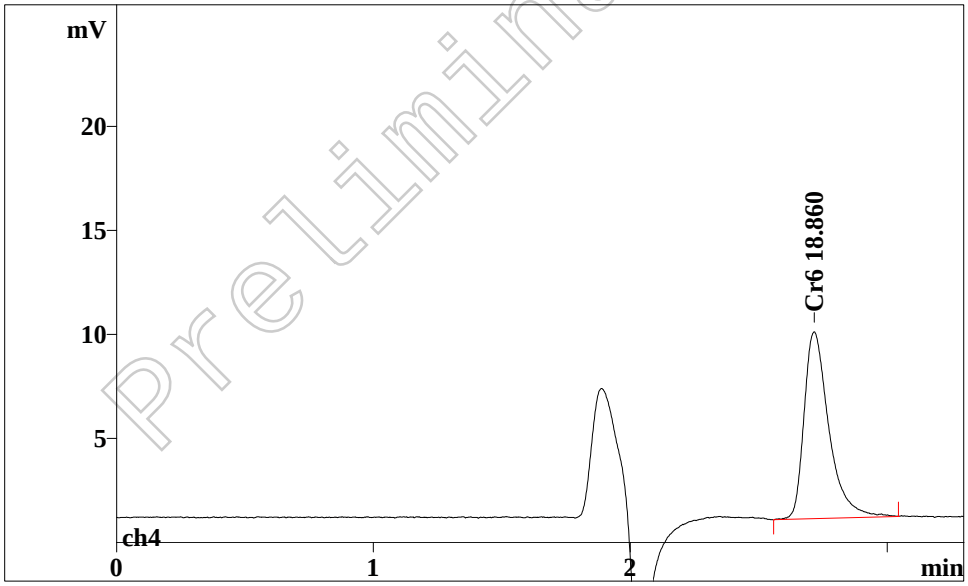
SAMPLE: 100ul loop
:
Vial number: 129
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.098;	8.99;	99.95;	60.421;	100.00;	0.00;	0.00;	36

Report date: 11/24/2009 10:46:12 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-11-D MSI@500
Analysis from: 10/29/2009 2:50:35 AM
File: ta290250.chw Last save: 10/29/2009 2:53:53 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20656

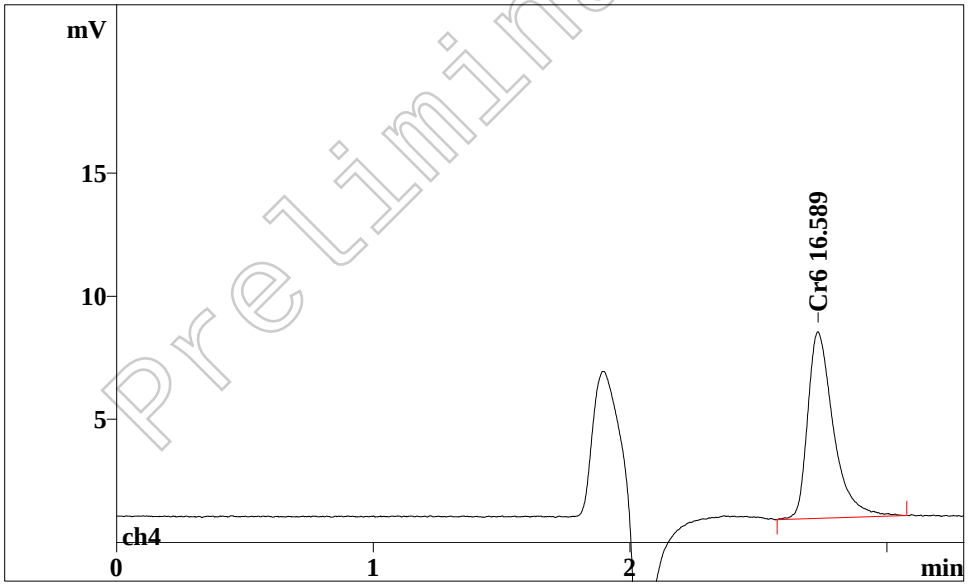
SAMPLE: 100ul loop
:
Vial number: 130
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.101;	7.58;	99.97;	52.743;	100.00;	0.00;	0.00;	34

Report date: 11/24/2009 10:46:16 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-11-D MSI@500
Analysis from: 10/29/2009 2:58:00 AM
File: ta290258.chw Last save: 10/29/2009 3:01:18 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20657

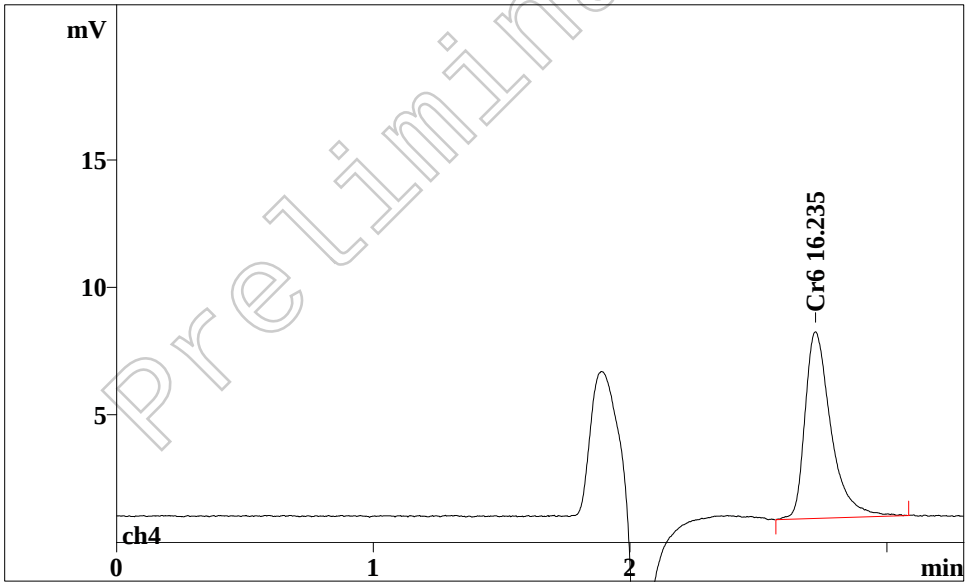
SAMPLE: 100ul loop
:
Vial number: 131
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.102;	7.33;	100.01;	51.549;	100.00;	0.00;	0.00;	33

Report date: 11/24/2009 10:46:20 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-12-A@5
Analysis from: 10/29/2009 3:05:24 AM
File: ta290305.chw Last save: 10/29/2009 3:08:43 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20658

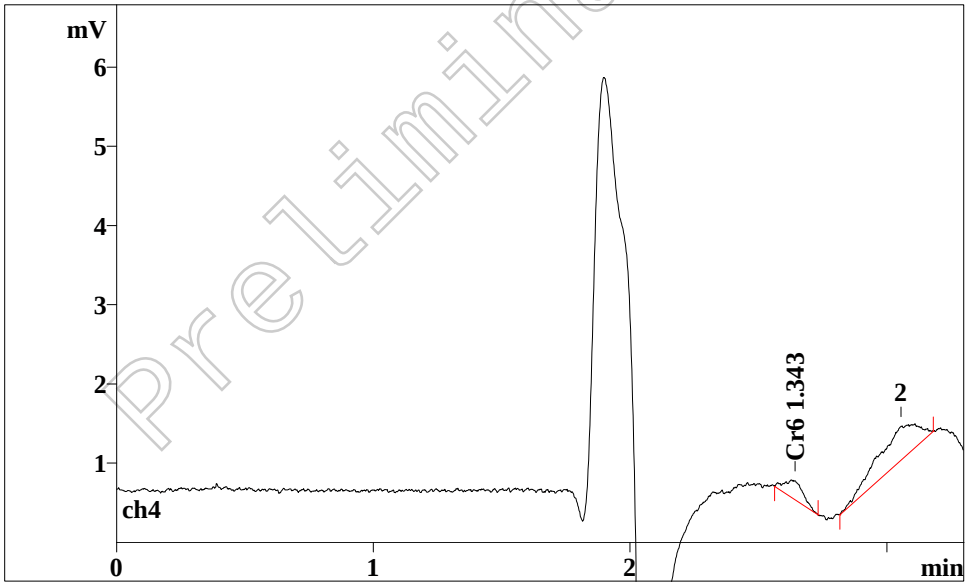
SAMPLE: 100ul loop
:
Vial number: 132
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.64;	0.081;	0.24;	35.75;	1.219;	20.27;	0.00;	1.65;	61

Report date: 11/24/2009 10:46:24 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-12-A@5
Analysis from: 10/29/2009 3:12:49 AM
File: ta290312.chw Last save: 10/29/2009 3:16:07 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20659

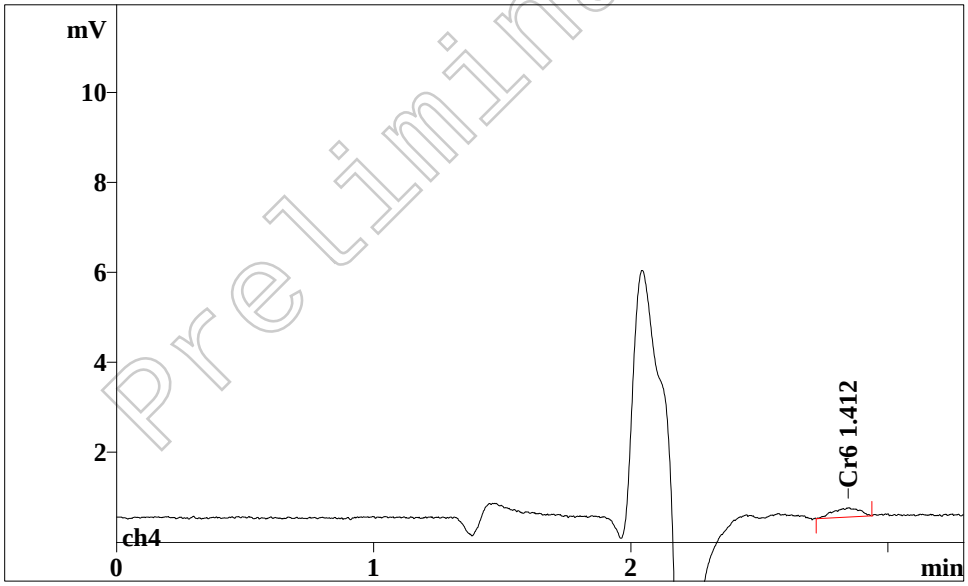
SAMPLE: 100ul loop
:
Vial number: 133
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.84;	0.136;	0.20;	99.00;	1.453;	100.00;	0.00;	0.00;	35

Report date: 11/24/2009 10:46:29 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-13-A@5
Analysis from: 10/29/2009 3:20:13 AM
File: ta290320.chw Last save: 10/29/2009 3:23:31 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20660

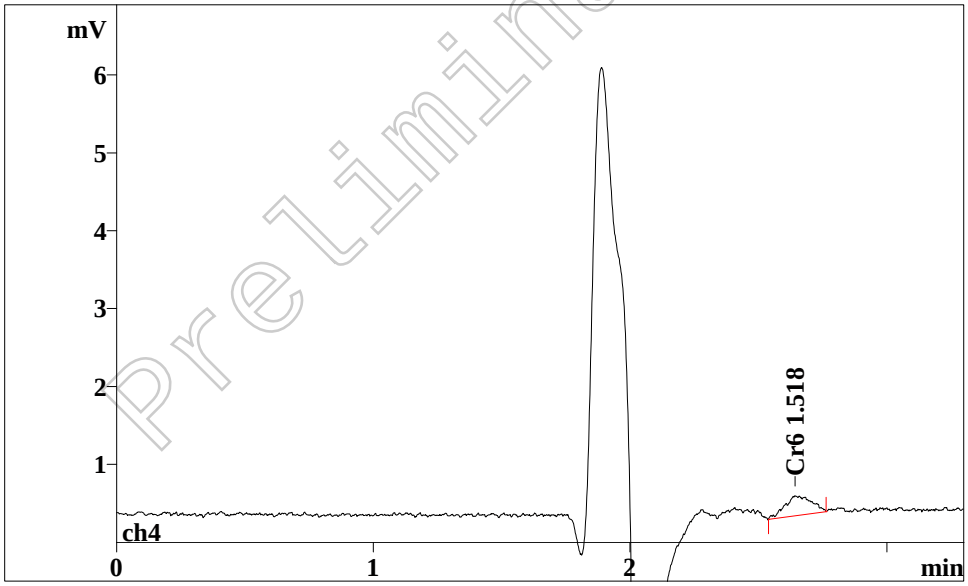
SAMPLE: 100ul loop
:
Vial number: 134
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.64;	0.120;	0.25;	98.13;	1.813;	100.00;	0.00;	0.00;	31

Report date: 11/24/2009 10:46:32 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-13-A@5
Analysis from: 10/29/2009 3:27:38 AM
File: ta290327.chw Last save: 10/29/2009 3:30:56 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20661

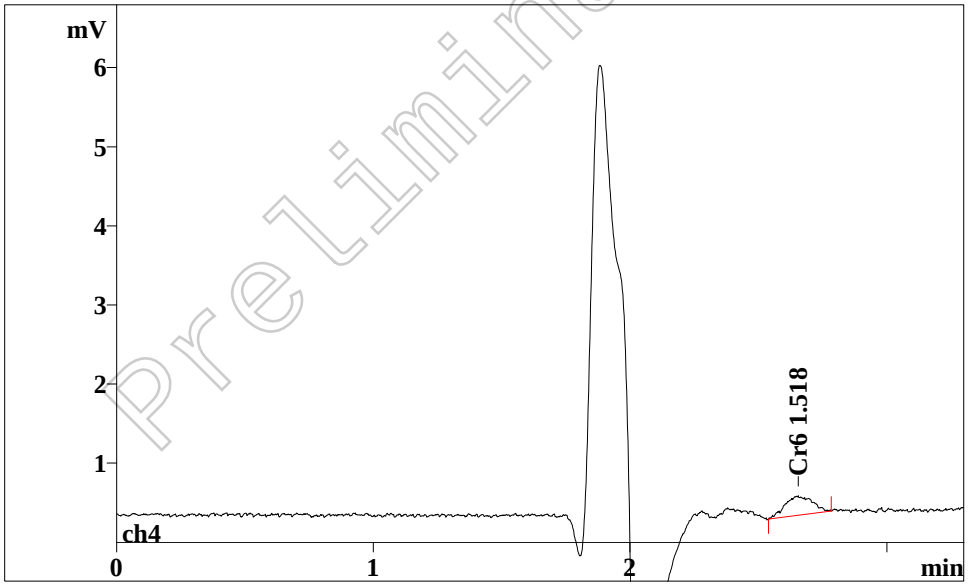
SAMPLE: 100ul loop
:
Vial number: 135
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.66;	0.130;	0.23;	94.83;	1.810;	100.00;	0.00;	0.00;	29

Report date: 11/24/2009 10:46:36 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-11-A PDS@40
Analysis from: 10/29/2009 3:35:02 AM
File: ta290335.chw Last save: 10/29/2009 3:38:20 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20662

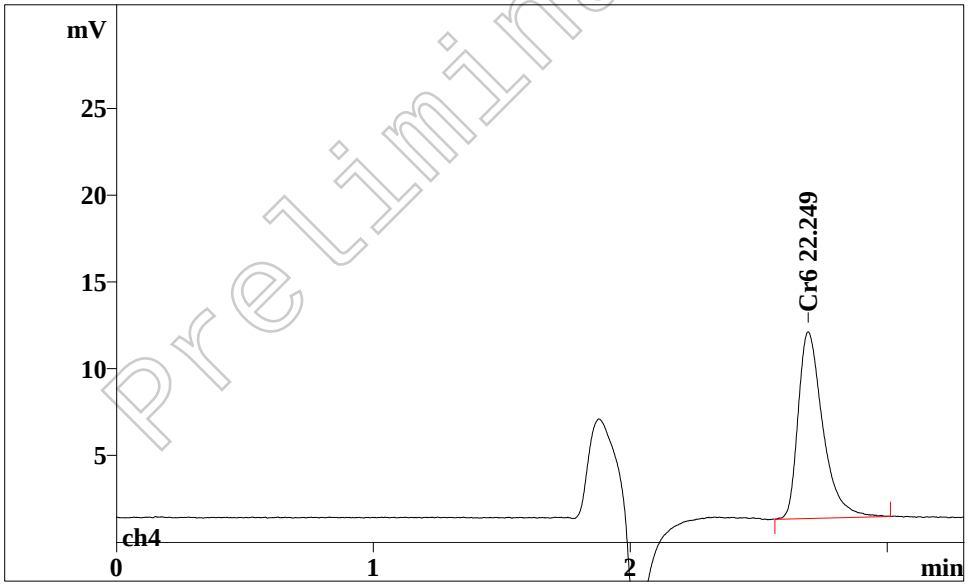
SAMPLE: 100ul loop
:
Vial number: 136
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.099;	10.77;	99.96;	71.871;	100.00;	0.00;	0.00;	36

Report date: 11/24/2009 10:46:39 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-11-A PDS@40
Analysis from: 10/29/2009 3:42:26 AM
File: ta290342.chw Last save: 10/29/2009 3:45:45 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20663

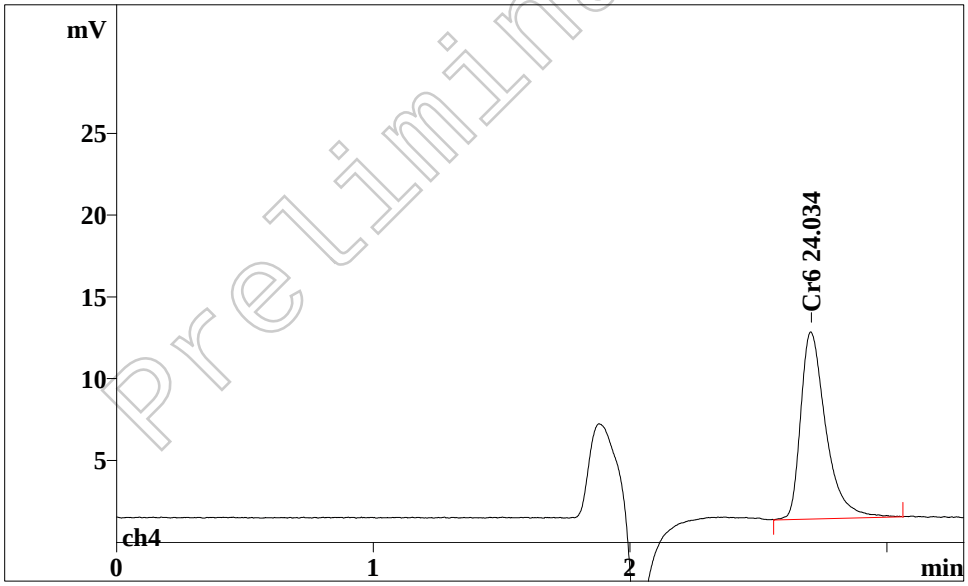
SAMPLE: 100ul loop
:
Vial number: 137
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.100;	11.44;	99.95;	77.905;	100.00;	0.00;	0.00;	35

Report date: 11/24/2009 10:46:43 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 10/29/2009 3:49:50 AM
File: ta290349.chw Last save: 10/29/2009 3:53:08 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20664

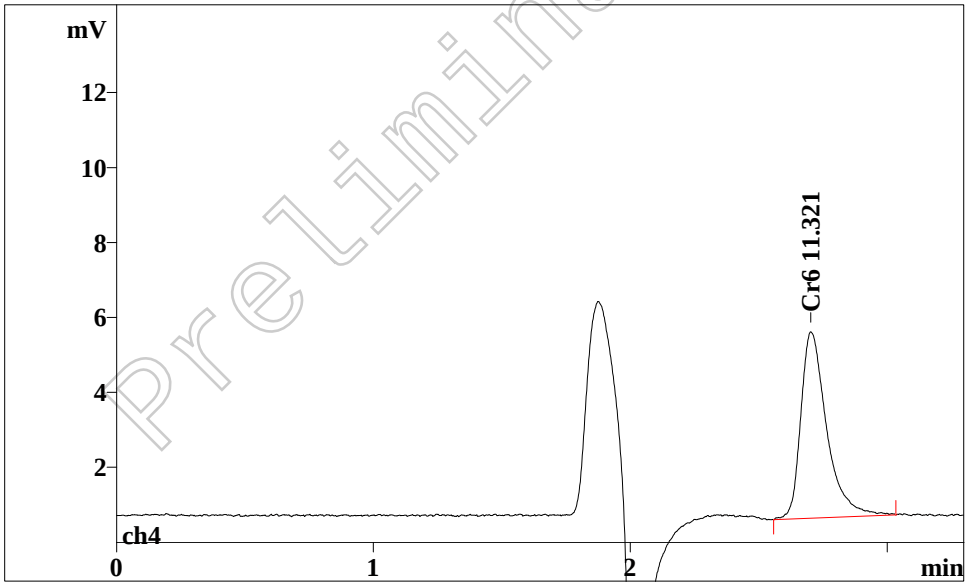
SAMPLE: 100ul loop
:
Vial number: 138
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.101;	4.98;	99.93;	34.942;	100.00;	0.00;	0.00;	33

Report date: 11/24/2009 10:46:47 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 10/29/2009 3:57:13 AM
File: ta290357.chw Last save: 10/29/2009 4:00:31 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20665

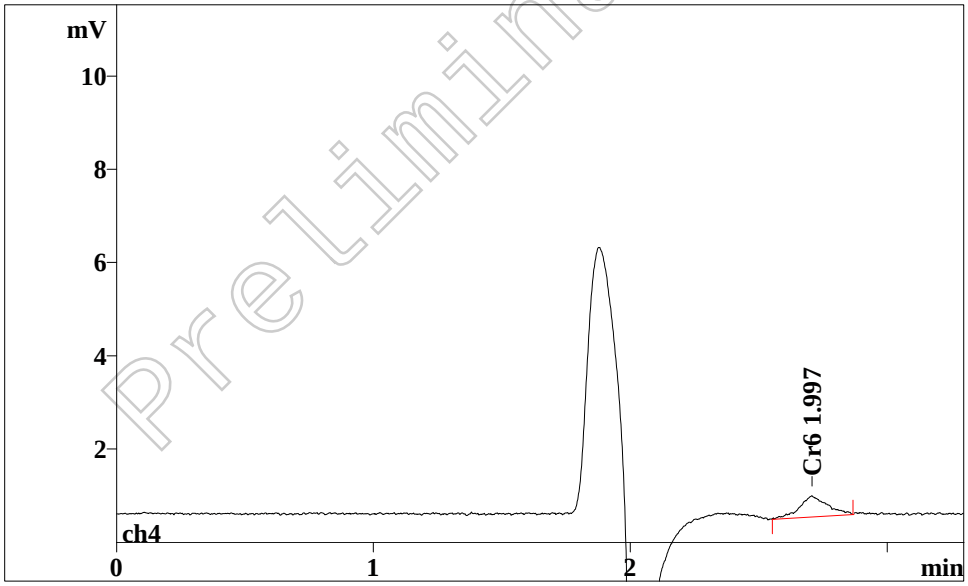
SAMPLE: 100ul loop
:
Vial number: 139
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.116;	0.45;	98.52;	3.429;	100.00;	0.00;	0.00;	28

Report date: 11/24/2009 10:46:51 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20682/1-A@2
Analysis from: 10/29/2009 4:04:35 AM
File: ta290404.chw Last save: 10/29/2009 4:07:53 AM

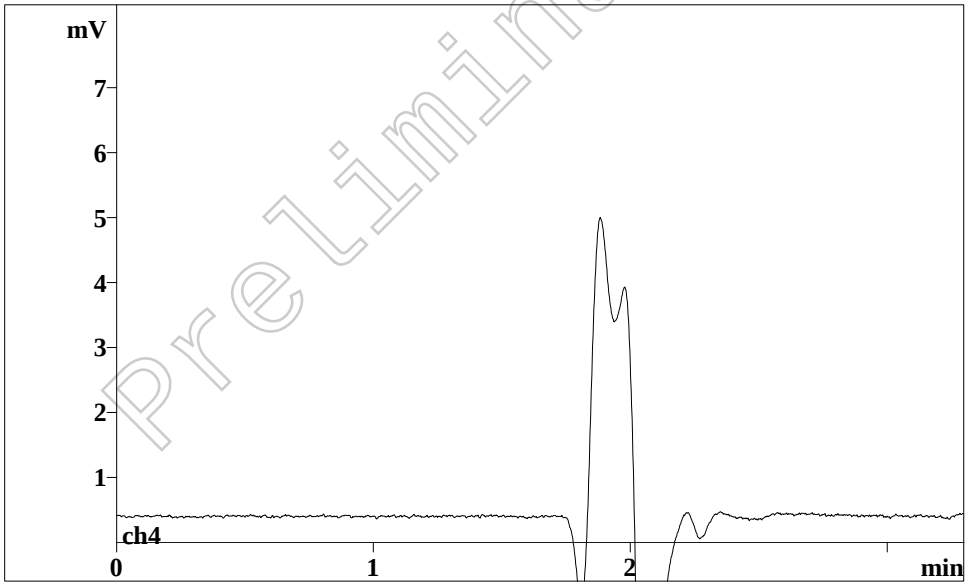
Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20666

SAMPLE: 100ul loop
:
Vial number: 140
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No peaks

Preliminary Data

Report date: 11/24/2009 10:46:55 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20682/1-A@2
Analysis from: 10/29/2009 4:11:56 AM
File: ta290411.chw Last save: 10/29/2009 4:15:15 AM

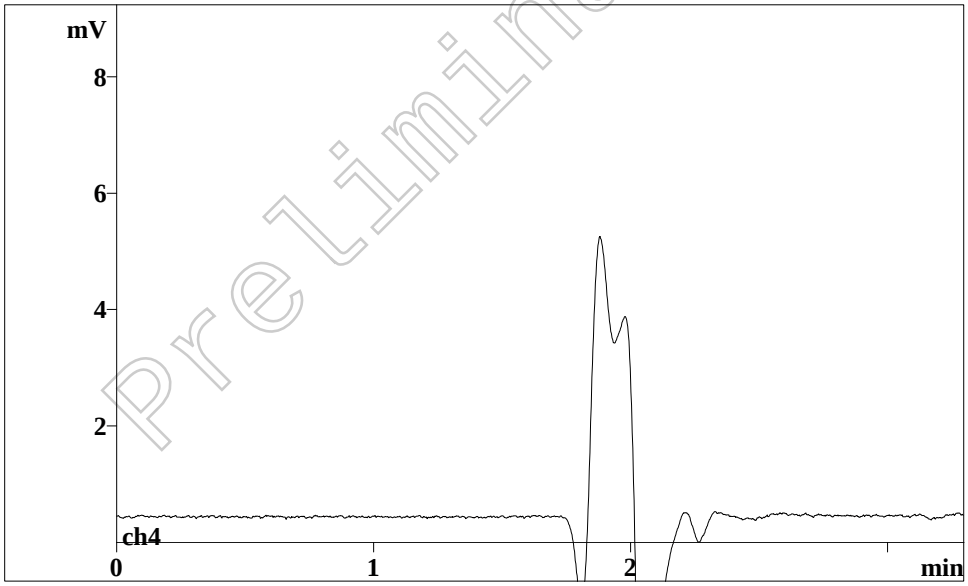
Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20667

SAMPLE: 100ul loop
:
Vial number: 141
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa



No peaks

Preliminary Data

Report date: 11/24/2009 10:46:59 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20682/2-A@25
Analysis from: 10/29/2009 4:19:17 AM
File: ta290419.chw Last save: 10/29/2009 4:22:35 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20668

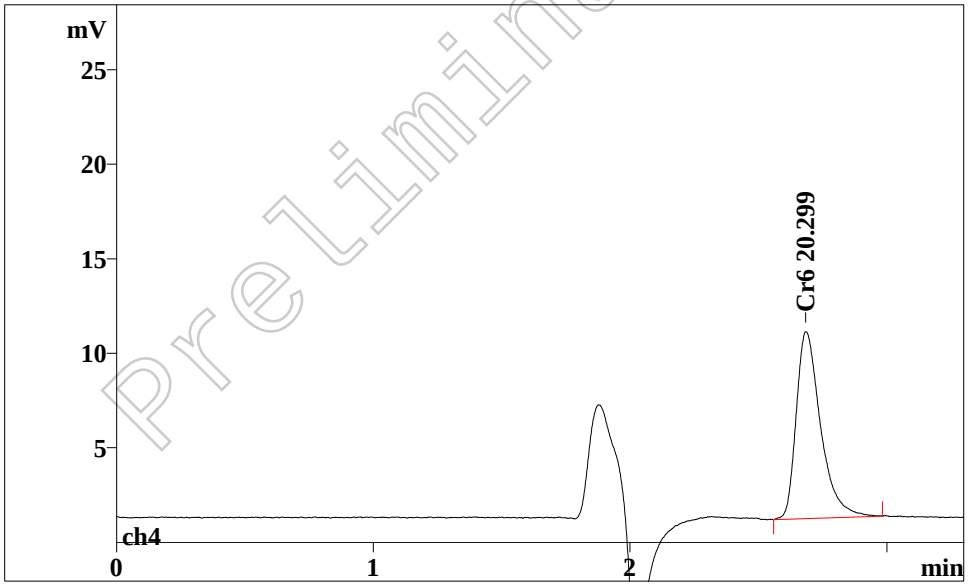
SAMPLE: 100ul loop
:
Vial number: 142
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.098;	9.89;	100.10;	65.282;	100.00;	0.00;	0.00;	37

Report date: 11/24/2009 10:47:03 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20682/2-A@25
Analysis from: 10/29/2009 4:26:37 AM
File: ta290426.chw Last save: 10/29/2009 4:29:55 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20669

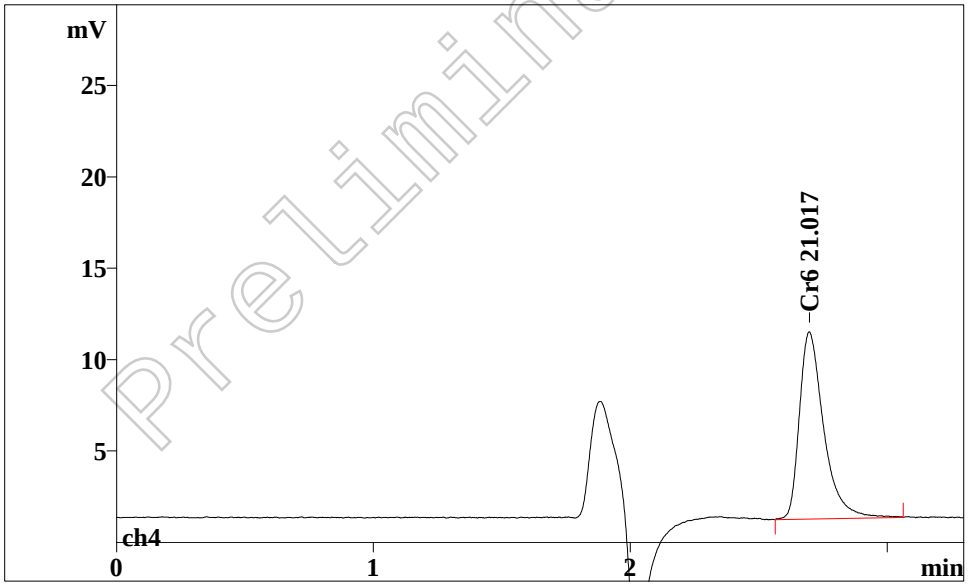
SAMPLE: 100ul loop
:
Vial number: 143
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.096;	10.26;	99.99;	67.709;	100.00;	0.00;	0.00;	37

Report date: 11/24/2009 10:47:06 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20682/3-A@500
Analysis from: 10/29/2009 4:33:55 AM
File: ta290433.chw Last save: 10/29/2009 4:37:13 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20670

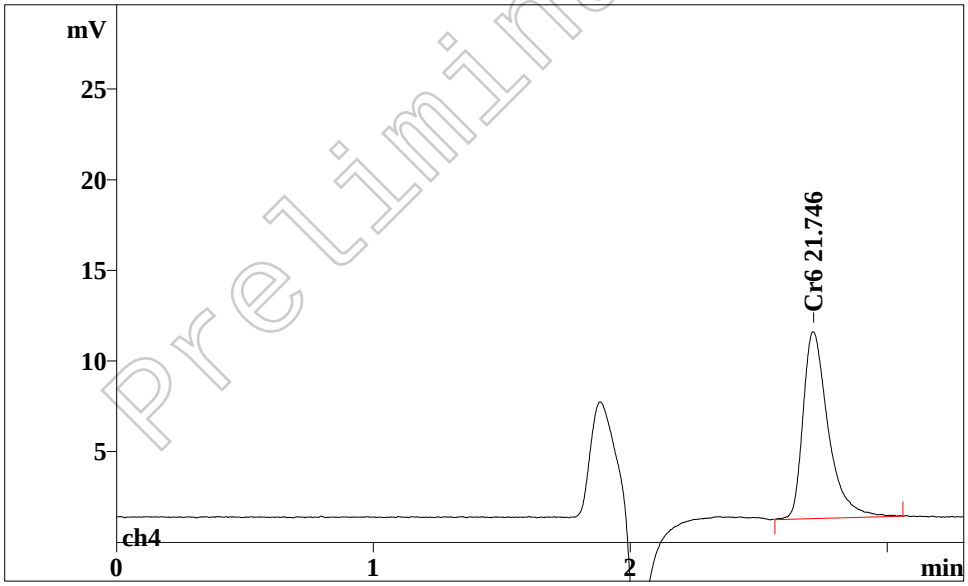
SAMPLE: 100ul loop
:
Vial number: 144
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.099;	10.31;	100.01;	70.171;	100.00;	0.00;	0.00;	35

Report date: 11/24/2009 10:47:10 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20682/3-A@500
Analysis from: 10/29/2009 4:41:12 AM
File: ta290441.chw Last save: 10/29/2009 4:44:30 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20671

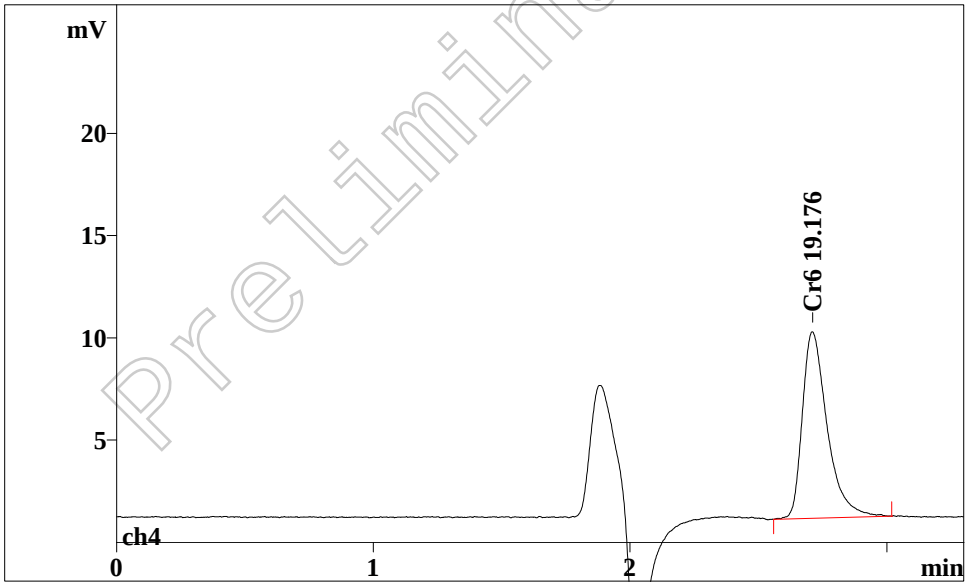
SAMPLE: 100ul loop
:
Vial number: 145
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.099;	9.13;	99.98;	61.487;	100.00;	0.00;	0.00;	36

Report date: 11/24/2009 10:47:14 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-14-A@5
Analysis from: 10/29/2009 4:48:29 AM
File: ta290448.chw Last save: 10/29/2009 4:51:47 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20672

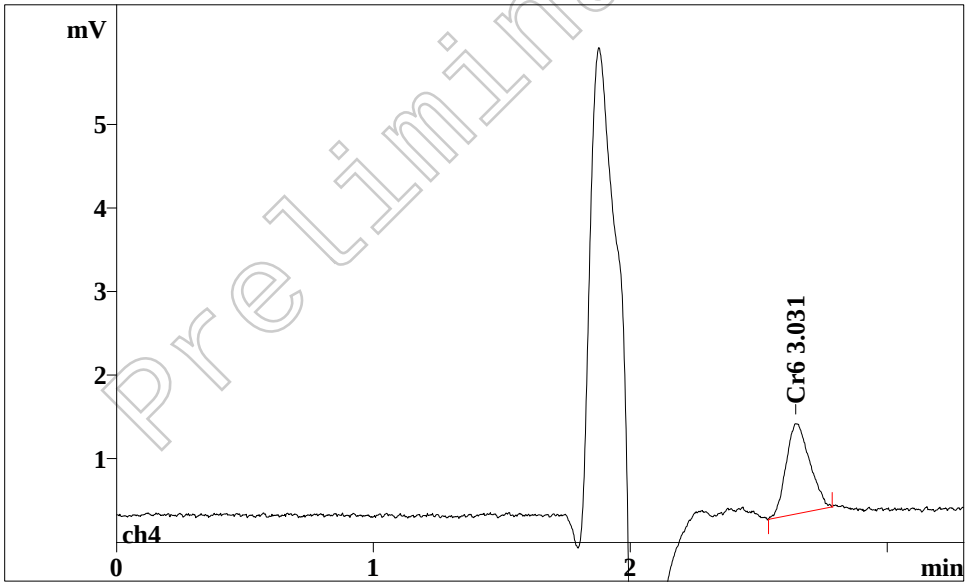
SAMPLE: 100ul loop
:
Vial number: 146
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.65;	0.102;	1.08;	100.08;	6.925;	100.00;	0.00;	0.00;	38

Report date: 11/24/2009 10:47:18 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-14-A@5
Analysis from: 10/29/2009 4:55:45 AM
File: ta290455.chw Last save: 10/29/2009 4:59:03 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20673

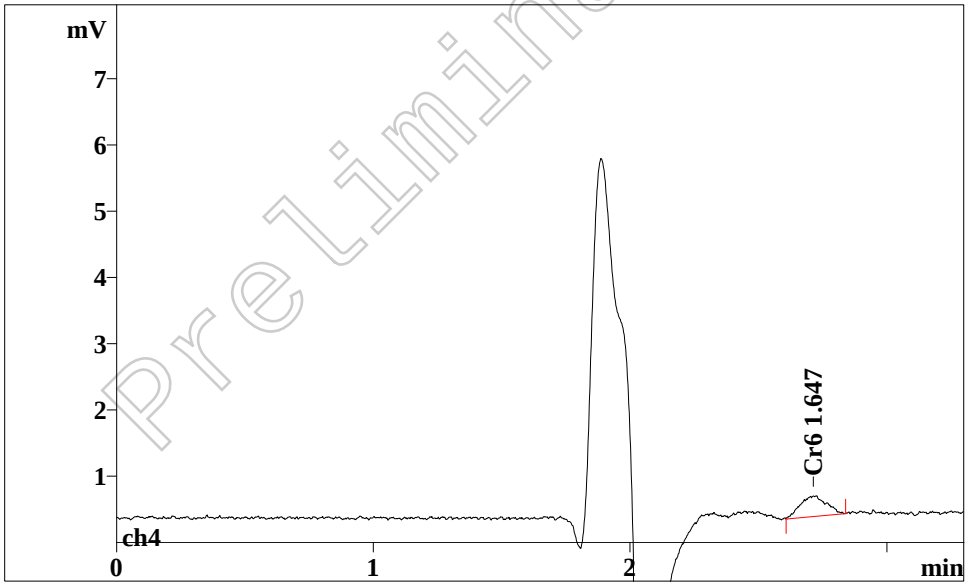
SAMPLE: 100ul loop
:
Vial number: 147
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.126;	0.31;	97.81;	2.249;	100.00;	0.00;	0.00;	32

Report date: 11/24/2009 10:47:22 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-14-B DU@5
Analysis from: 10/29/2009 5:02:59 AM
File: ta290502.chw Last save: 10/29/2009 5:06:18 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20674

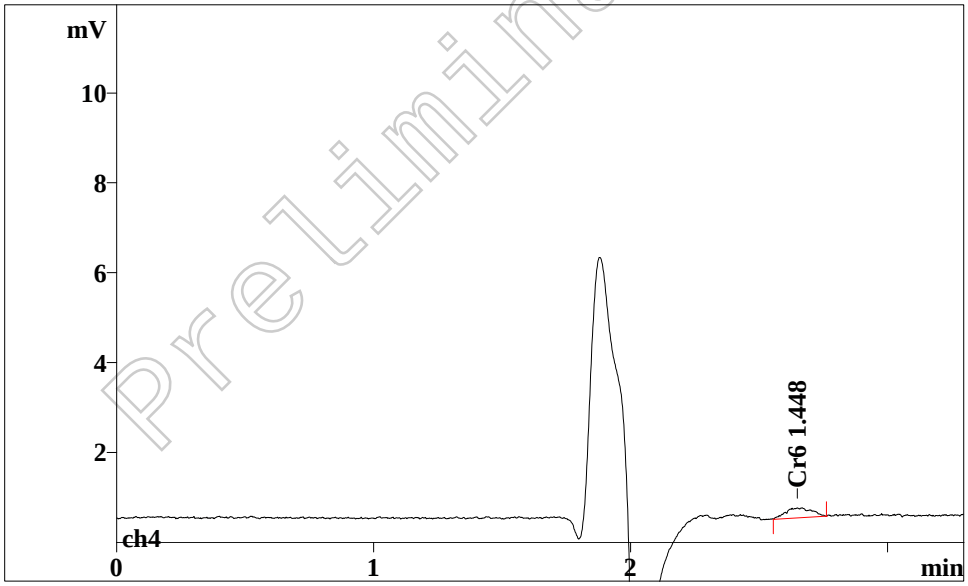
SAMPLE: 100ul loop
:
Vial number: 148
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.65;	0.129;	0.22;	97.36;	1.574;	100.00;	0.00;	0.00;	31

Report date: 11/24/2009 10:47:27 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-14-B DU@5
Analysis from: 10/29/2009 5:10:17 AM
File: ta290510.chw Last save: 10/29/2009 5:13:35 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20675

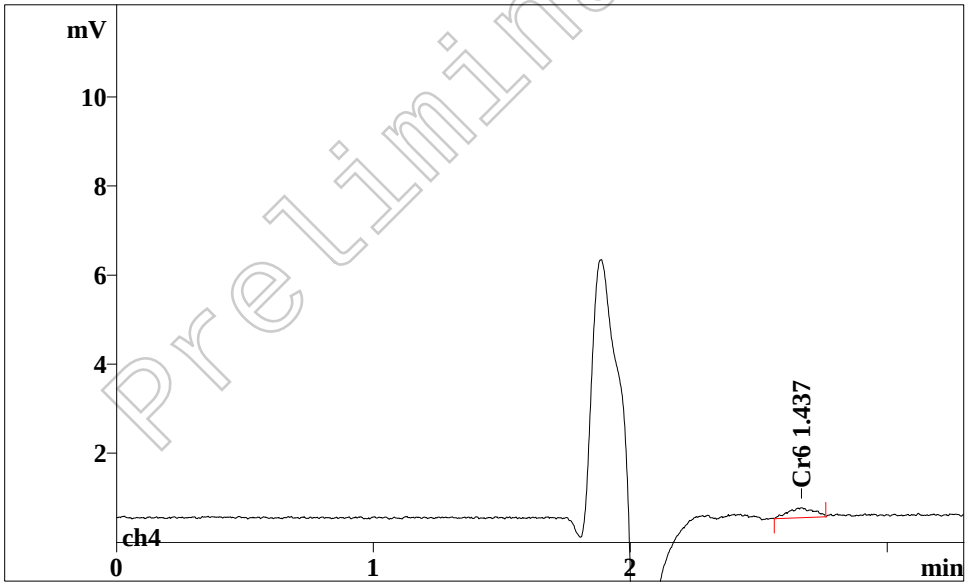
SAMPLE: 100ul loop
:
Vial number: 1
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.66;	0.130;	0.22;	97.80;	1.539;	100.00;	0.00;	0.00;	32

Report date: 11/24/2009 10:47:30 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 10/29/2009 5:17:31 AM
File: ta290517.chw Last save: 10/29/2009 5:20:49 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20676

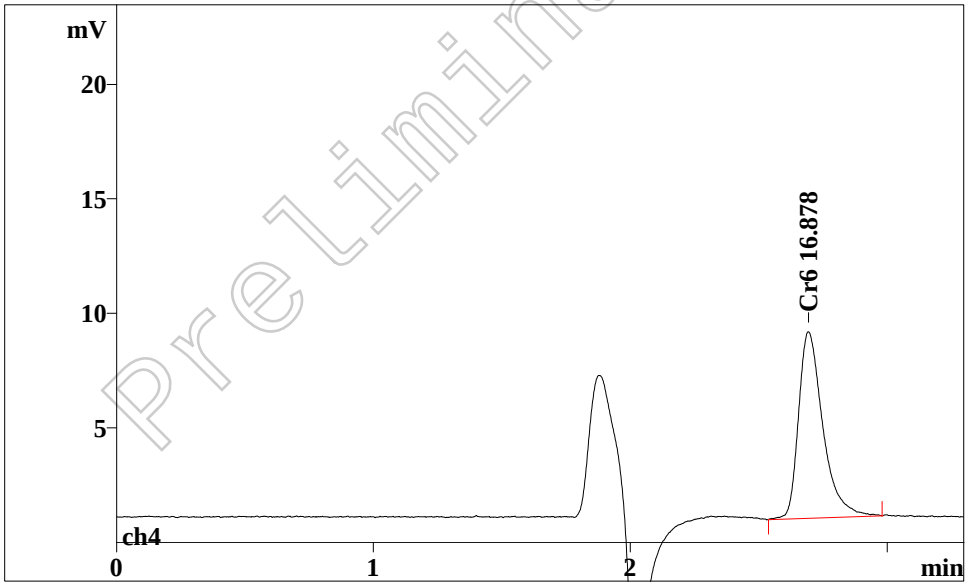
SAMPLE: 100ul loop
:
Vial number: 2
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.097;	8.15;	100.06;	53.720;	100.00;	0.00;	0.00;	37

Report date: 11/24/2009 10:47:34 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 10/29/2009 5:24:45 AM
File: ta290524.chw Last save: 10/29/2009 5:28:04 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20677

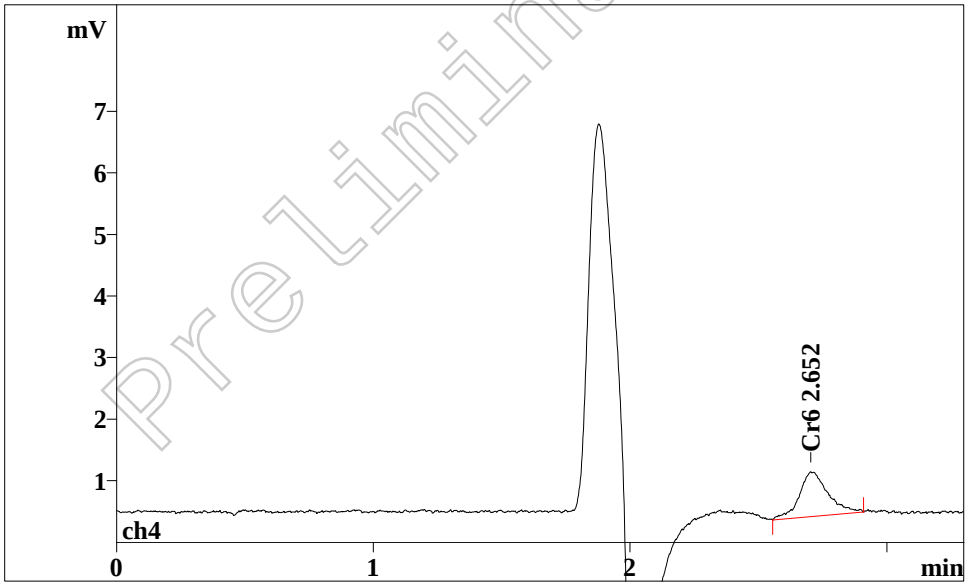
SAMPLE: 100ul loop
:
Vial number: 3
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.111;	0.72;	98.76;	5.645;	100.00;	0.00;	0.00;	27

Report date: 11/24/2009 10:47:38 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-14-C MS@40
Analysis from: 10/29/2009 5:32:01 AM
File: ta290532.chw Last save: 10/29/2009 5:35:19 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20678

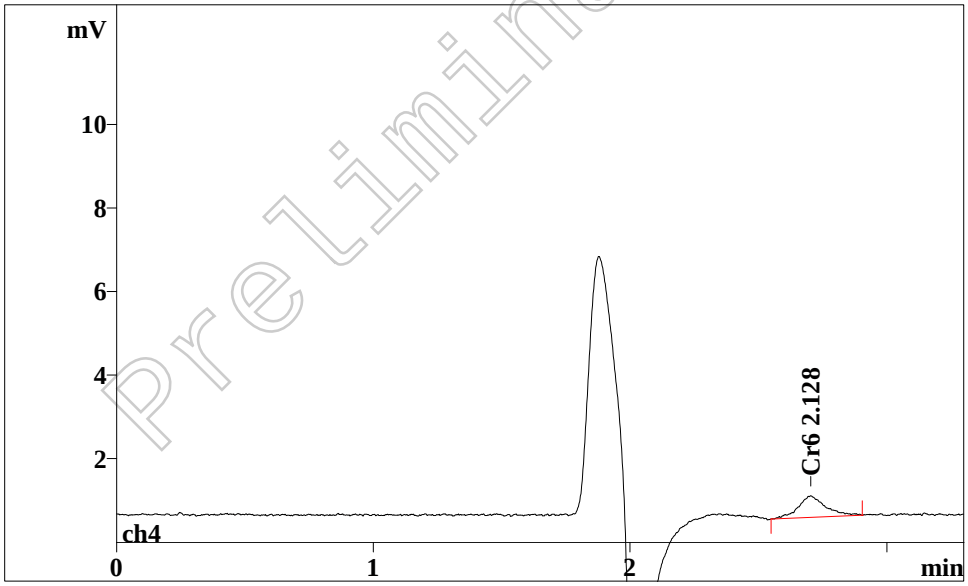
SAMPLE: 100ul loop
:
Vial number: 4
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.104;	0.51;	98.82;	3.874;	100.00;	0.00;	0.00;	29

Report date: 11/24/2009 10:47:42 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-14-C MS@40
Analysis from: 10/29/2009 5:39:16 AM
File: ta290539.chw Last save: 10/29/2009 5:42:35 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20679

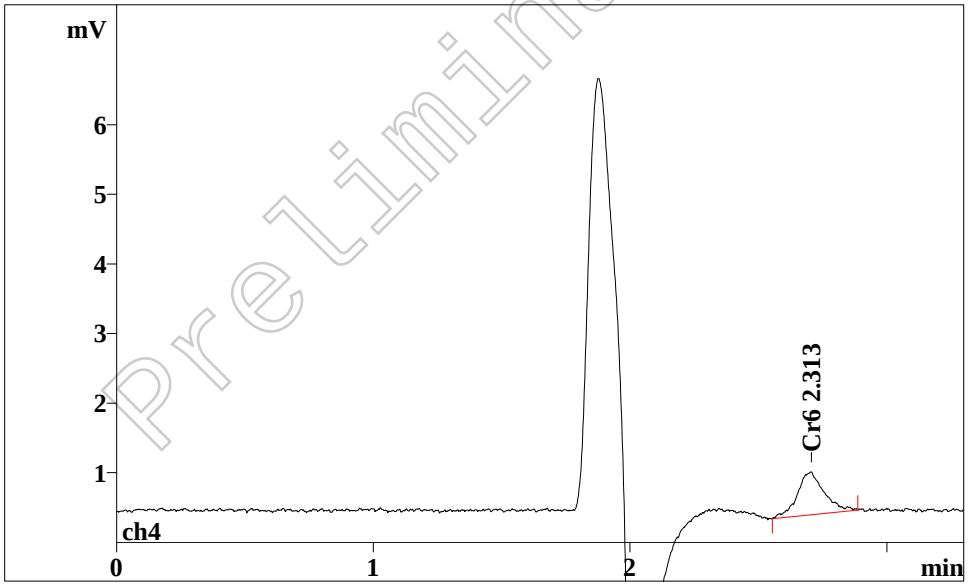
SAMPLE: 100ul loop
:
Vial number: 5
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.105;	0.61;	99.44;	4.498;	100.00;	0.00;	0.00;	31

Report date: 11/24/2009 10:47:45 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-14-D MSI@500
Analysis from: 10/29/2009 5:46:33 AM
File: ta290546.chw Last save: 10/29/2009 5:49:51 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20680

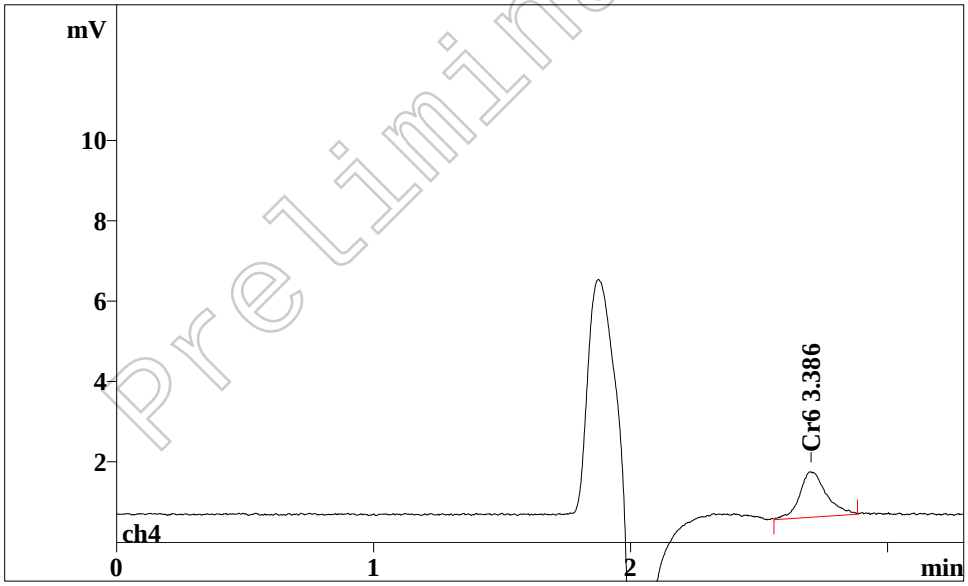
SAMPLE: 100ul loop
:
Vial number: 6
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.101;	1.13;	99.94;	8.125;	100.00;	0.00;	0.00;	31

Report date: 11/24/2009 10:47:48 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-14-D MSI@500
Analysis from: 10/29/2009 5:53:50 AM
File: ta290553.chw Last save: 10/29/2009 5:57:08 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20681

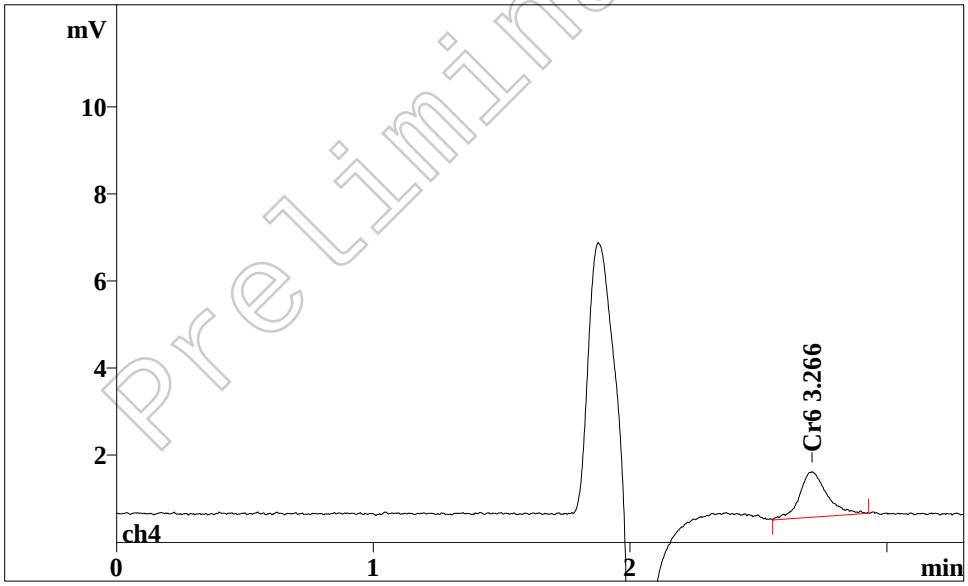
SAMPLE: 100ul loop
:
Vial number: 7
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.105;	1.04;	99.43;	7.720;	100.00;	0.00;	0.00;	30

Report date: 11/24/2009 10:47:52 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-14-A PDS@40
Analysis from: 10/29/2009 6:01:09 AM
File: ta290601.chw Last save: 10/29/2009 6:04:27 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20682

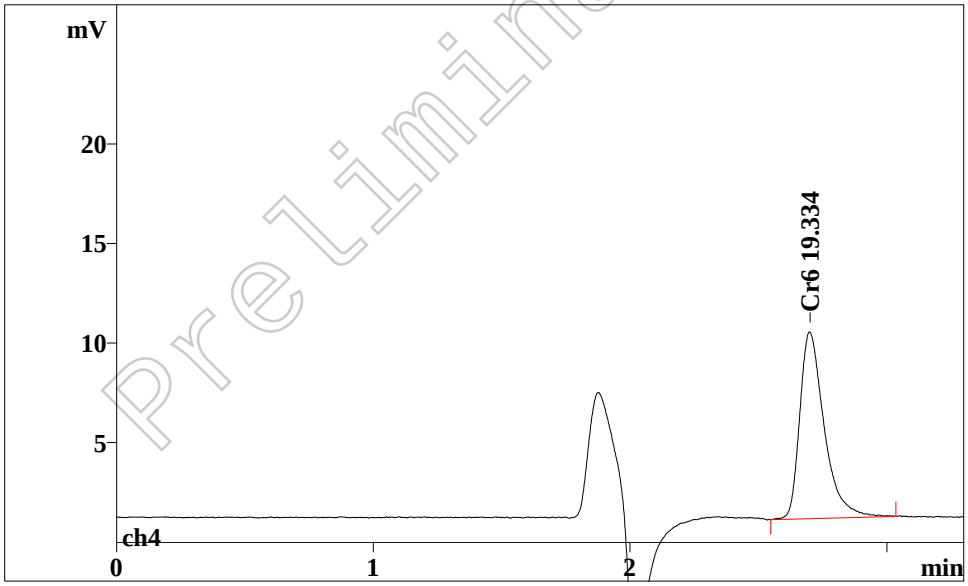
SAMPLE: 100ul loop
:
Vial number: 8
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.097;	9.38;	100.00;	62.023;	100.00;	0.00;	0.00;	37

Report date: 11/24/2009 10:47:55 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-14-A PDS@40
Analysis from: 10/29/2009 6:08:27 AM
File: ta290608.chw Last save: 10/29/2009 6:11:46 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20683

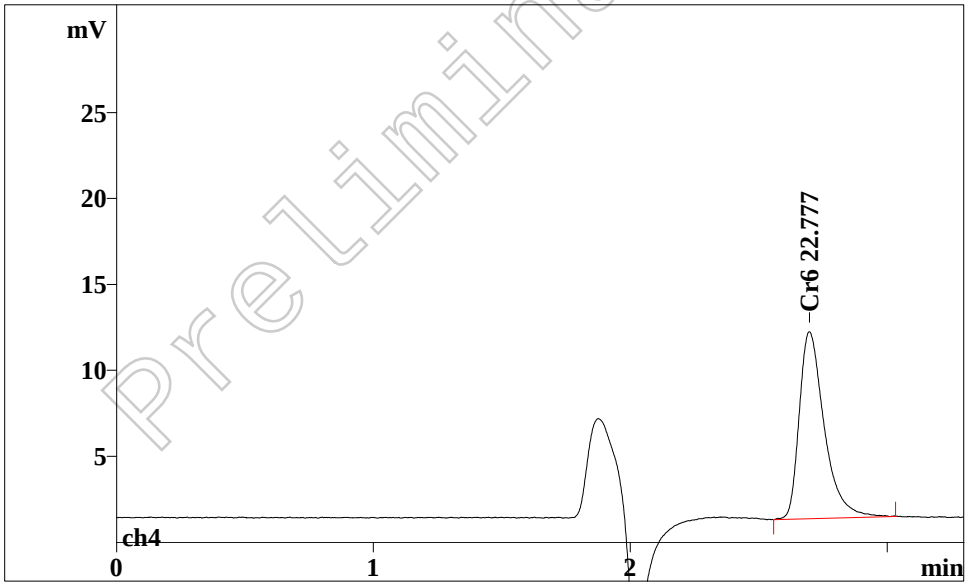
SAMPLE: 100ul loop
:
Vial number: 9
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.100;	10.88;	100.03;	73.657;	100.00;	0.00;	0.00;	35

Report date: 11/24/2009 10:47:59 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20683/1-A@2
Analysis from: 10/29/2009 6:15:47 AM
File: ta290615.chw Last save: 10/29/2009 6:19:06 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20684

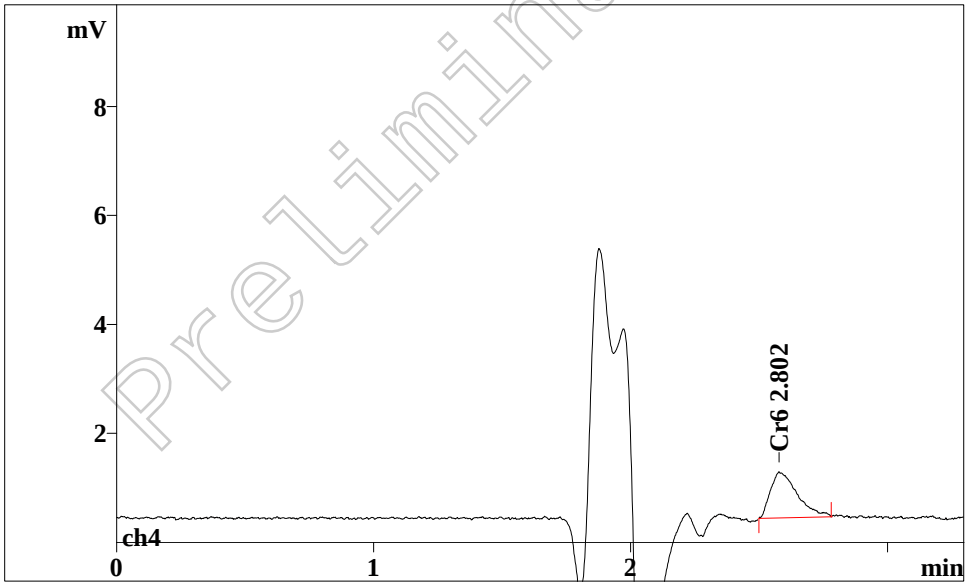
SAMPLE: 100ul loop
:
Vial number: 10
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.58;	0.112;	0.84;	98.63;	6.152;	100.00;	0.00;	0.00;	28

Report date: 11/24/2009 10:48:04 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20683/1-A@2
Analysis from: 10/29/2009 6:23:07 AM
File: ta290623.chw Last save: 10/29/2009 6:26:25 AM

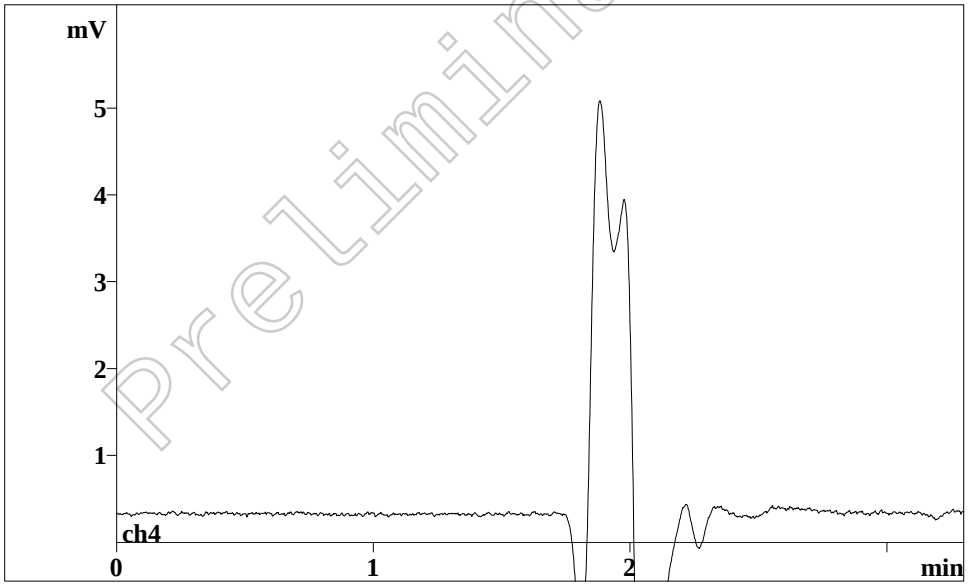
Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20685

SAMPLE: 100ul loop
:
Vial number: 11
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No peaks

Preliminary Data

Report date: 11/24/2009 10:48:08 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20683/2-A@25
Analysis from: 10/29/2009 6:30:29 AM
File: ta290630.chw Last save: 10/29/2009 6:33:47 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20686

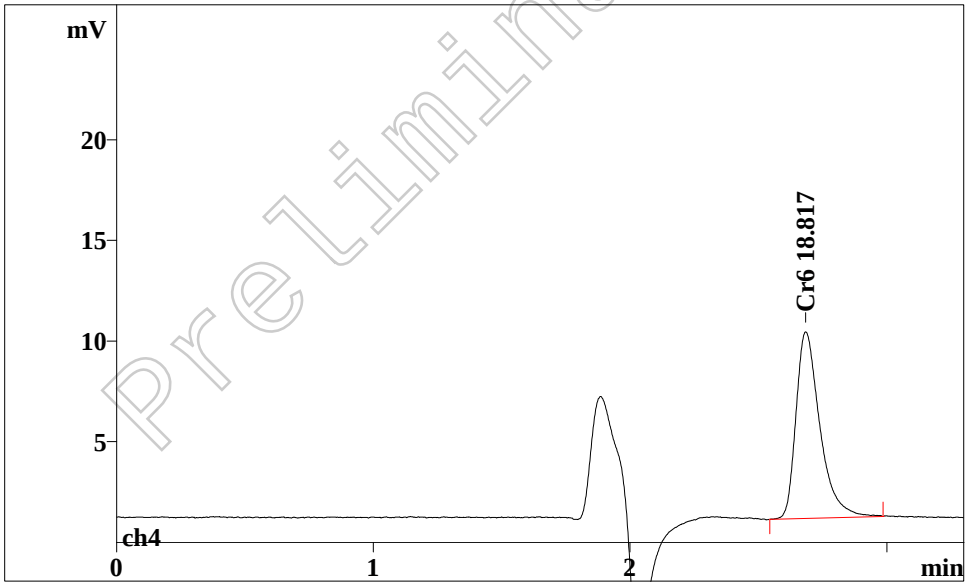
SAMPLE: 100ul loop
:
Vial number: 12
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.68;	0.096;	9.28;	99.99;	60.274;	100.00;	0.00;	0.00;	38

Report date: 11/24/2009 10:48:11 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20683/2-A@25
Analysis from: 10/29/2009 6:37:49 AM
File: ta290637.chw Last save: 10/29/2009 6:41:08 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20687

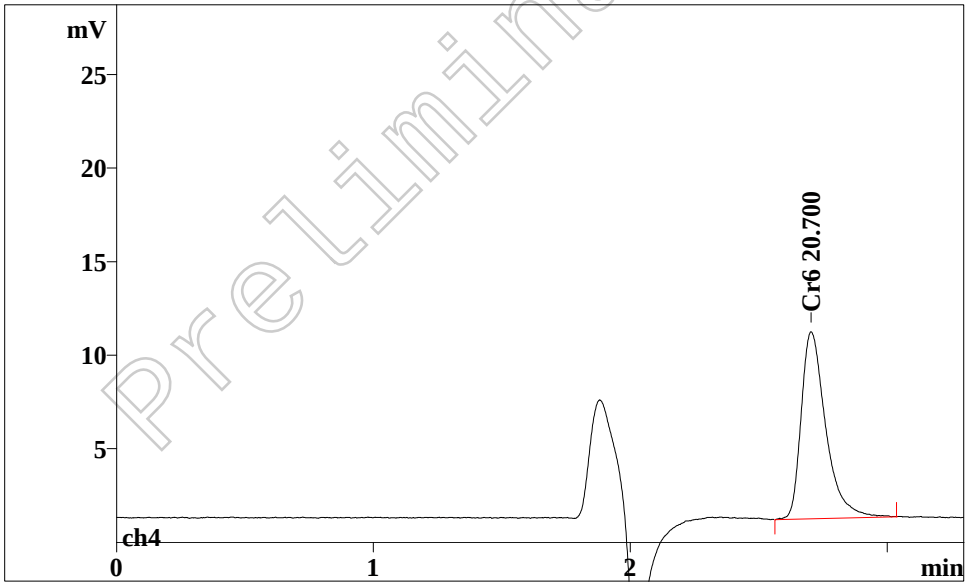
SAMPLE: 100ul loop
:
Vial number: 13
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.098;	10.01;	100.02;	66.637;	100.00;	0.00;	0.00;	37

Report date: 11/24/2009 10:48:15 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 10/29/2009 6:45:11 AM
File: ta290645.chw Last save: 10/29/2009 6:48:30 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20688

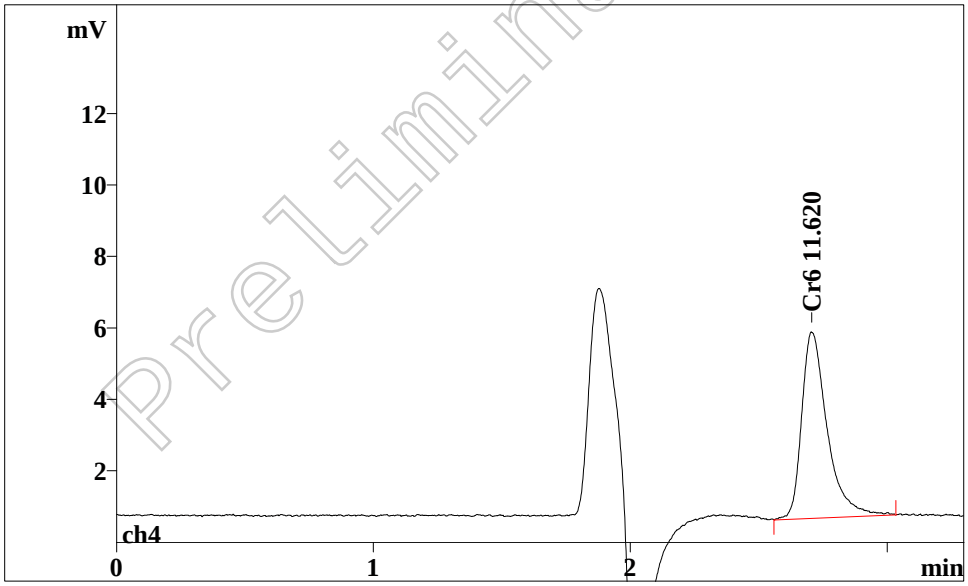
SAMPLE: 100ul loop
:
Vial number: 14
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.100;	5.21;	99.82;	35.951;	100.00;	0.00;	0.00;	34

Report date: 11/24/2009 10:48:19 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 10/29/2009 6:52:34 AM
File: ta290652.chw Last save: 10/29/2009 6:55:53 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20689

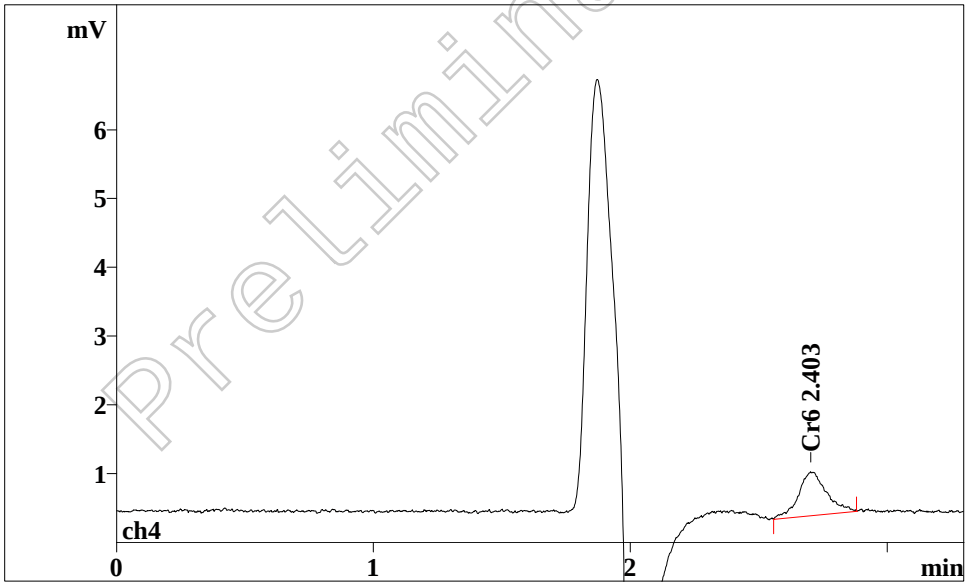
SAMPLE: 100ul loop
:
Vial number: 15
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.111;	0.63;	98.40;	4.803;	100.00;	0.00;	0.00;	29

Report date: 11/24/2009 10:48:23 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20683/3-A@500
Analysis from: 10/29/2009 6:59:57 AM
File: ta290659.chw Last save: 10/29/2009 7:03:16 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20690

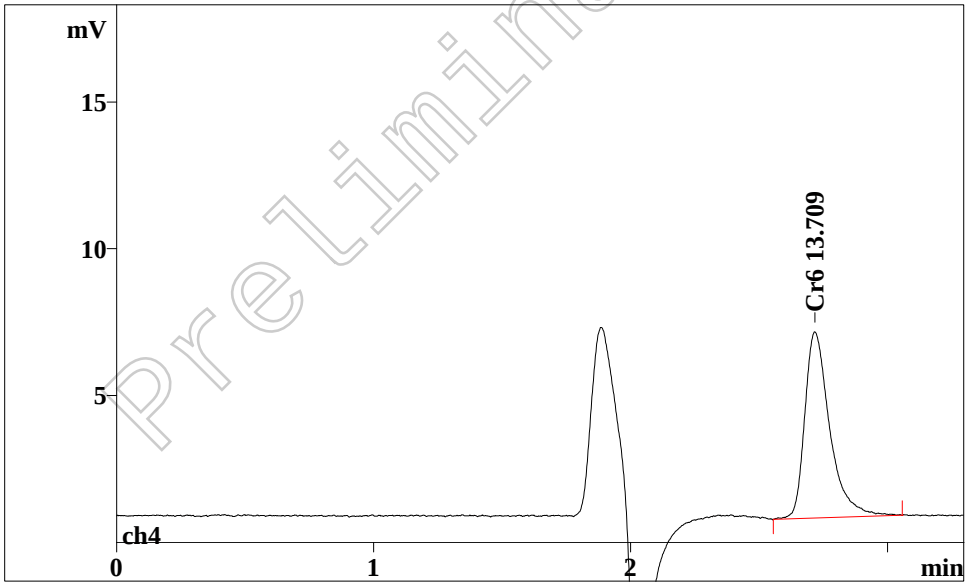
SAMPLE: 100ul loop
:
Vial number: 16
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.098;	6.35;	99.94;	43.013;	100.00;	0.00;	0.00;	36

Report date: 11/24/2009 10:48:26 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20683/3-A@500
Analysis from: 10/29/2009 7:07:21 AM
File: ta290707.chw Last save: 10/29/2009 7:10:39 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20691

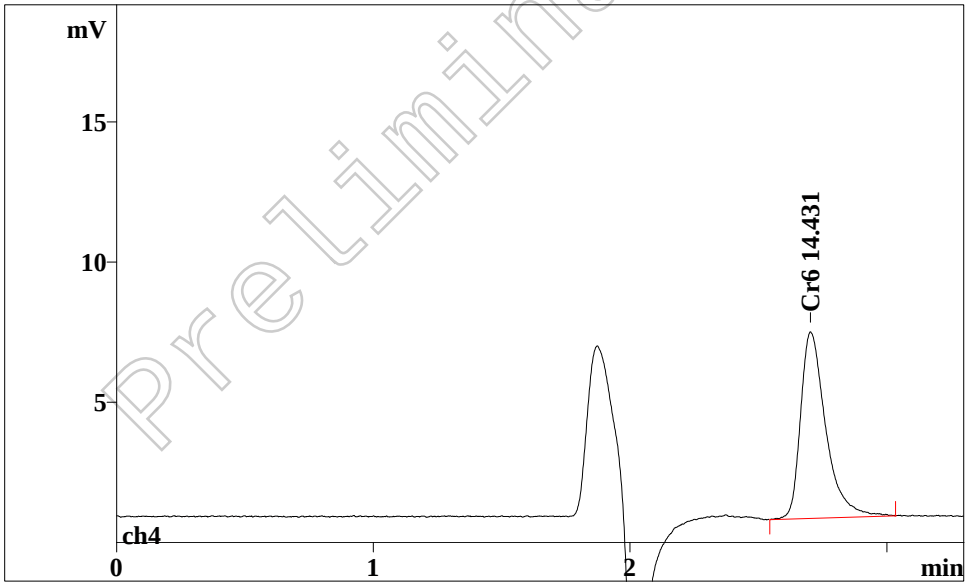
SAMPLE: 100ul loop
:
Vial number: 17
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.099;	6.65;	99.84;	45.451;	100.00;	0.00;	0.00;	35

Report date: 11/24/2009 10:48:30 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-15-A@5
Analysis from: 10/29/2009 7:14:45 AM
File: ta290714.chw Last save: 10/29/2009 7:18:04 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20692

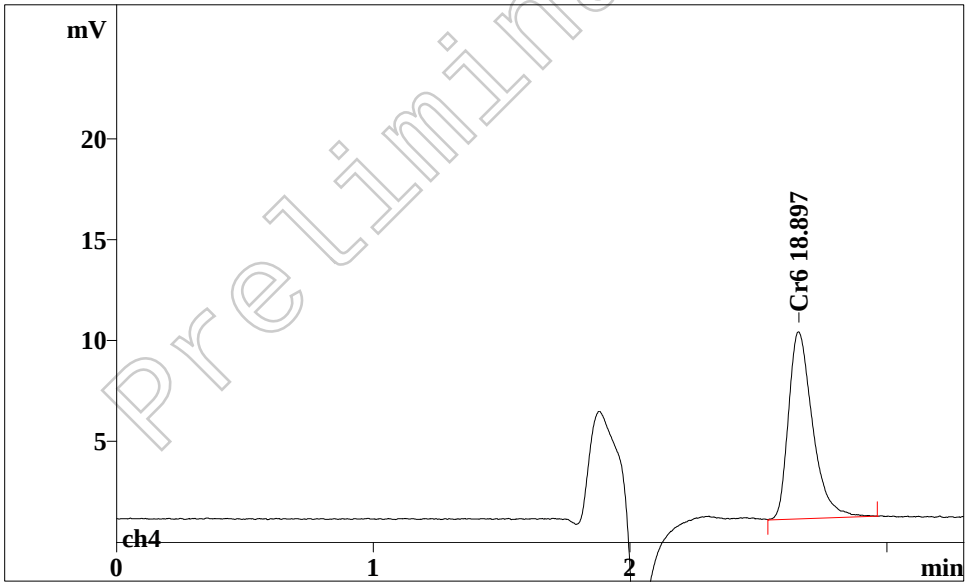
SAMPLE: 100ul loop
:
Vial number: 18
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.66;	0.098;	9.28;	100.01;	60.544;	100.00;	0.00;	0.00;	37

Report date: 11/24/2009 10:48:34 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-15-A@5
Analysis from: 10/29/2009 7:22:10 AM
File: ta290722.chw Last save: 10/29/2009 7:25:28 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20693

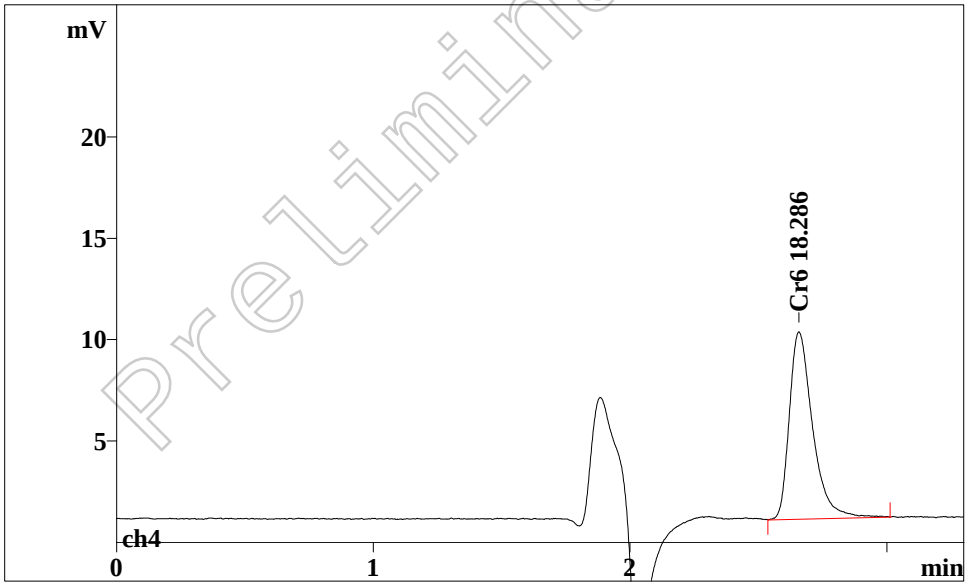
SAMPLE: 100ul loop
:
Vial number: 19
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.66;	0.093;	9.25;	99.98;	58.480;	100.00;	0.00;	0.00;	39

Report date: 11/24/2009 10:48:38 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-15-B DU@5
Analysis from: 10/29/2009 7:29:34 AM
File: ta290729.chw Last save: 10/29/2009 7:32:53 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20694

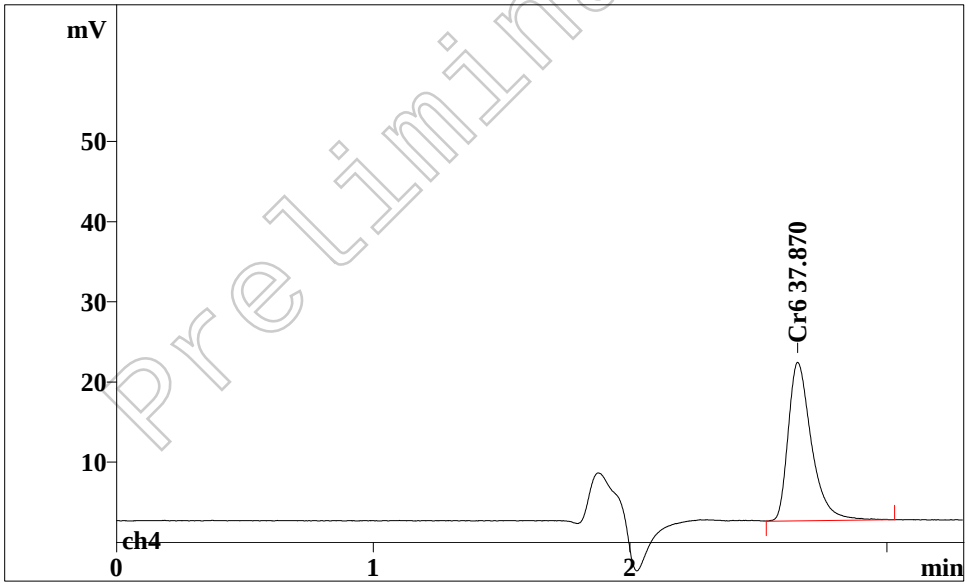
SAMPLE: 100ul loop
:
Vial number: 20
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.65;	0.093;	19.77;	100.00;	124.665;	100.00;	0.00;	0.00;	40

Report date: 11/24/2009 10:48:41 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-15-B DU@5
Analysis from: 10/29/2009 7:36:58 AM
File: ta290736.chw Last save: 10/29/2009 7:40:17 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20695

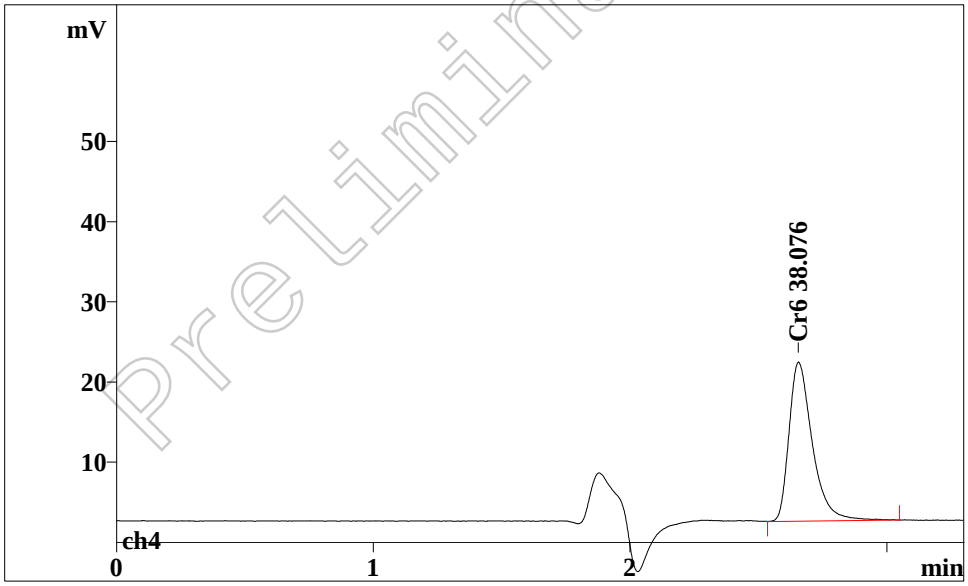
SAMPLE: 100ul loop
:
Vial number: 21
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.66;	0.093;	19.84;	99.96;	125.362;	100.00;	0.00;	0.00;	40

Report date: 11/24/2009 10:48:45 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-15-C MS@40
Analysis from: 10/29/2009 7:44:23 AM
File: ta290744.chw Last save: 10/29/2009 7:47:41 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20696

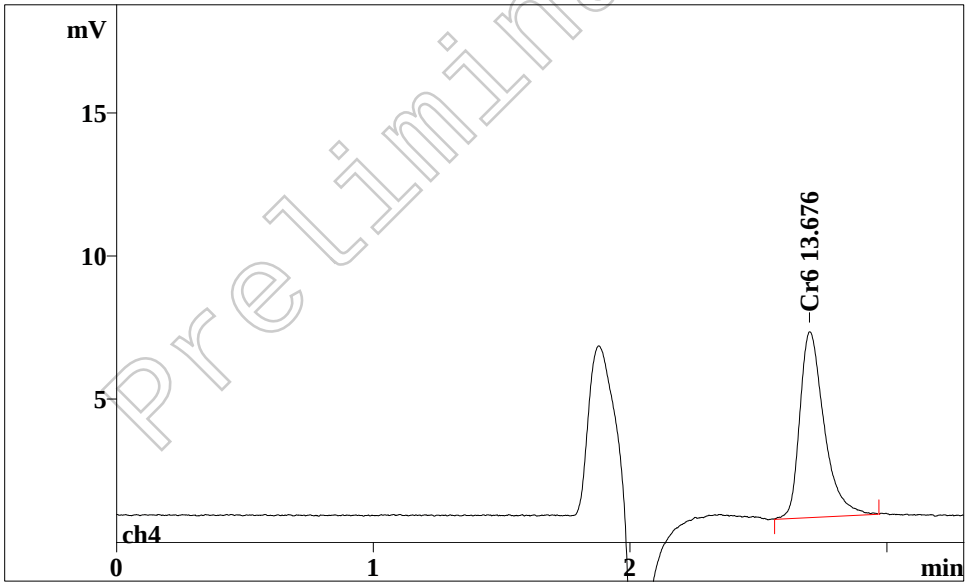
SAMPLE: 100ul loop
:
Vial number: 22
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.7 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.098;	6.50;	100.04;	42.900;	100.00;	0.00;	0.00;	37

Report date: 11/24/2009 10:48:49 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-15-C MS@40
Analysis from: 10/29/2009 7:51:47 AM
File: ta290751.chw Last save: 10/29/2009 7:55:06 AM

Method: stl_hexchrome_soil.mtw Last save: 10/28/2009 11:23:
Run operator: TestAmerica - Edison
Analysis number: 20697

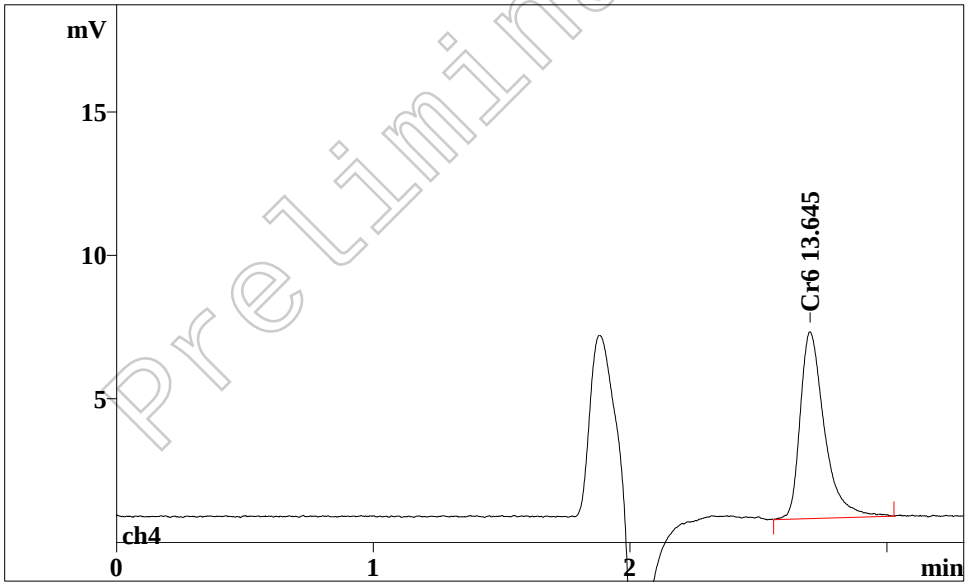
SAMPLE: 100ul loop
:
Vial number: 23
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.095;	6.52;	100.02;	42.795;	100.00;	0.00;	0.00;	38

Report date: 11/27/2009 9:05:38 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 11/2/2009 8:04:35 PM
File: tb022004.chw Last save: 11/27/2009 9:04:07 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20923

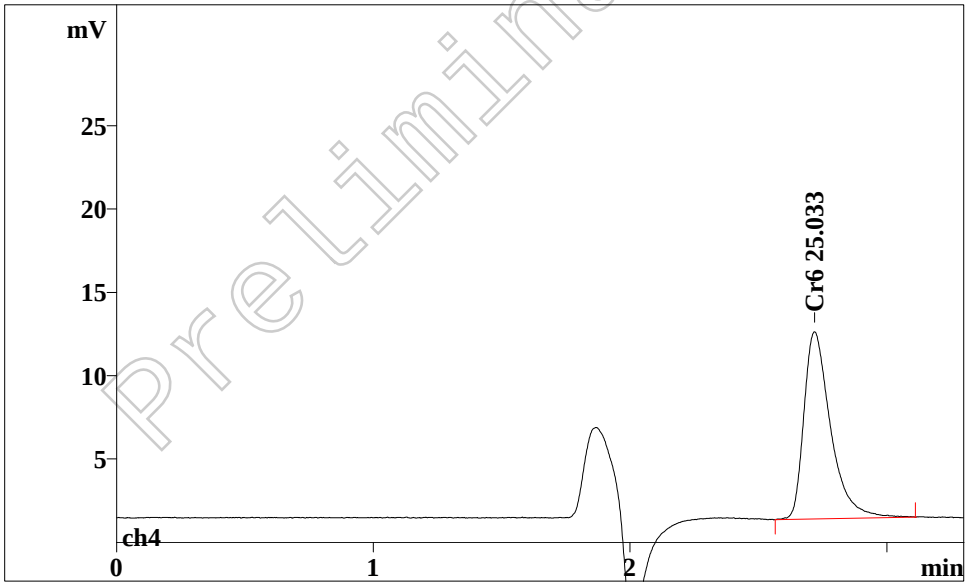
SAMPLE: 100ul loop
:
Vial number: 60
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.106;	11.24;	100.03;	81.465;	100.00;	0.00;	0.00;	31

Report date: 11/27/2009 9:05:50 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 11/2/2009 8:11:55 PM
File: tb022011.chw Last save: 11/27/2009 9:04:08 AM

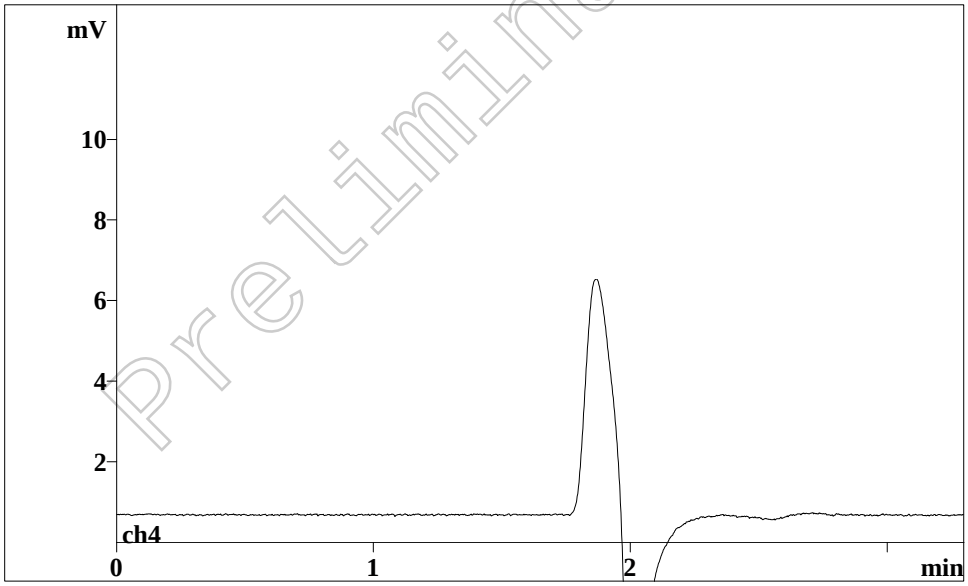
Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20924

SAMPLE: 100ul loop
:
Vial number: 61
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No peaks

Preliminary Data

Report date: 11/27/2009 9:05:54 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20681/1-A@2
Analysis from: 11/2/2009 8:19:14 PM
File: tb022019.chw Last save: 11/27/2009 9:04:08 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20925

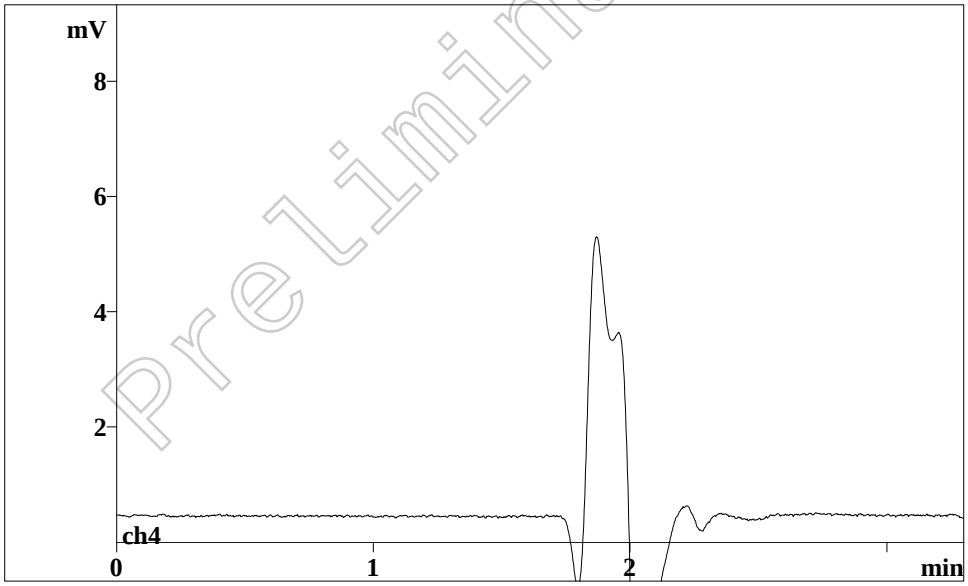
SAMPLE: 100ul loop
:
Vial number: 62
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No peaks

Report date: 11/27/2009 9:05:59 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20681/1-A@2
Analysis from: 11/2/2009 8:26:35 PM
File: tb022026.chw Last save: 11/27/2009 9:04:08 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20926

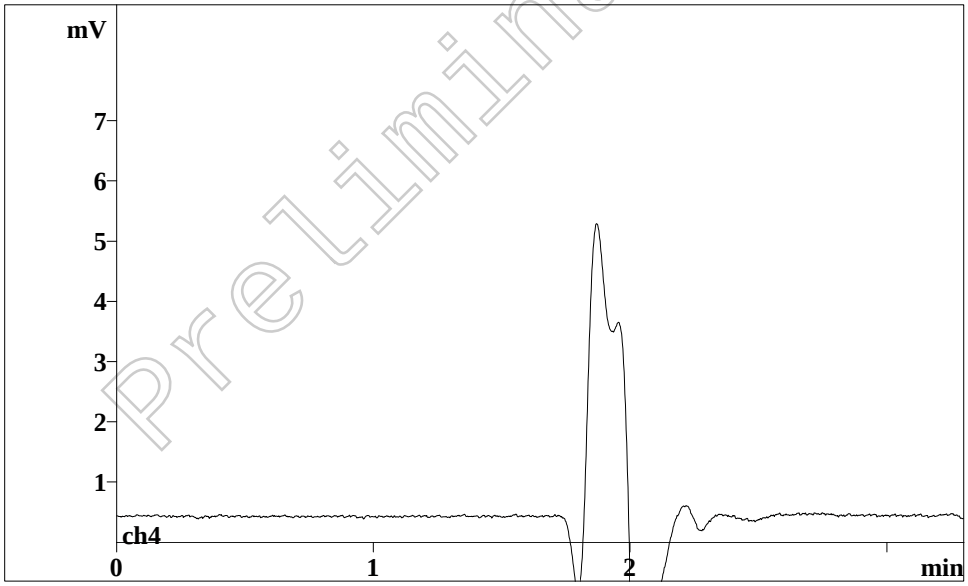
SAMPLE: 100ul loop
:
Vial number: 63
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No peaks

Report date: 11/27/2009 9:06:02 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20681/2-A@25
Analysis from: 11/2/2009 8:33:54 PM
File: tb022033.chw Last save: 11/27/2009 9:04:08 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20927

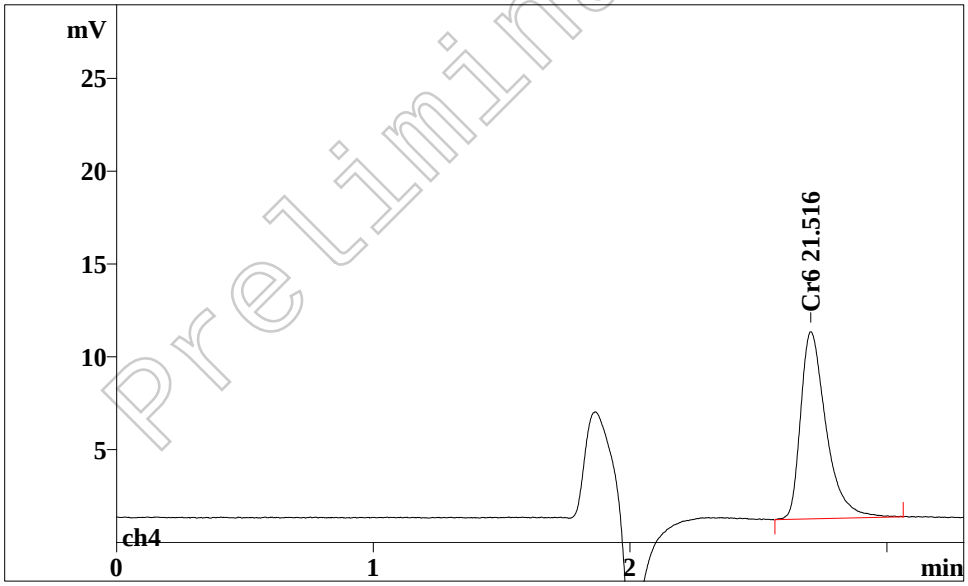
SAMPLE: 100ul loop
:
Vial number: 64
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.102;	10.10;	100.06;	69.867;	100.00;	0.00;	0.00;	34

Report date: 11/27/2009 9:06:06 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20681/2-A@25
Analysis from: 11/2/2009 8:41:14 PM
File: tb022041.chw Last save: 11/27/2009 9:04:08 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20928

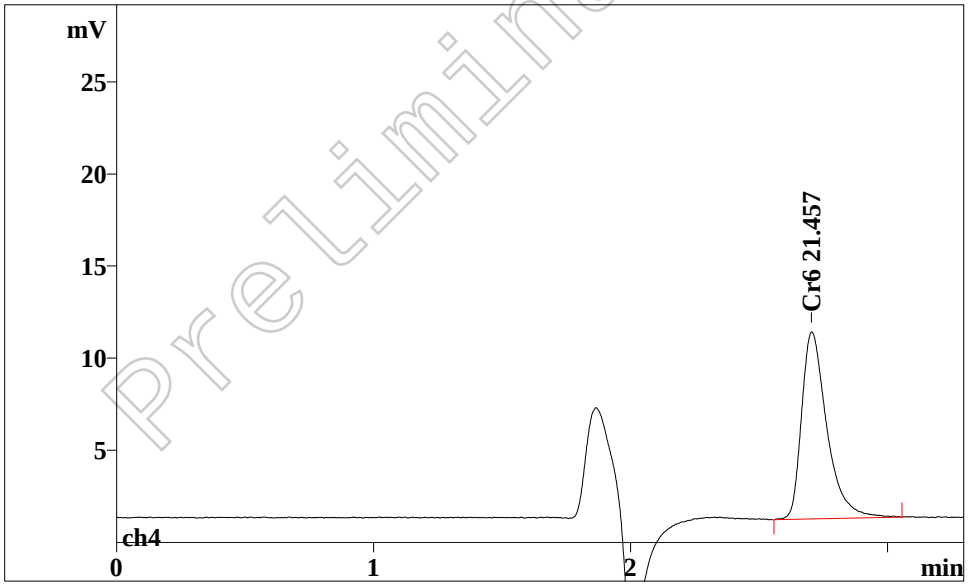
SAMPLE: 100ul loop
:
Vial number: 65
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.101;	10.16;	99.90;	69.674;	100.00;	0.00;	0.00;	35

Report date: 11/27/2009 9:06:09 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20681/3-A@500
Analysis from: 11/2/2009 8:48:34 PM
File: tb022048.chw Last save: 11/27/2009 9:04:08 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20929

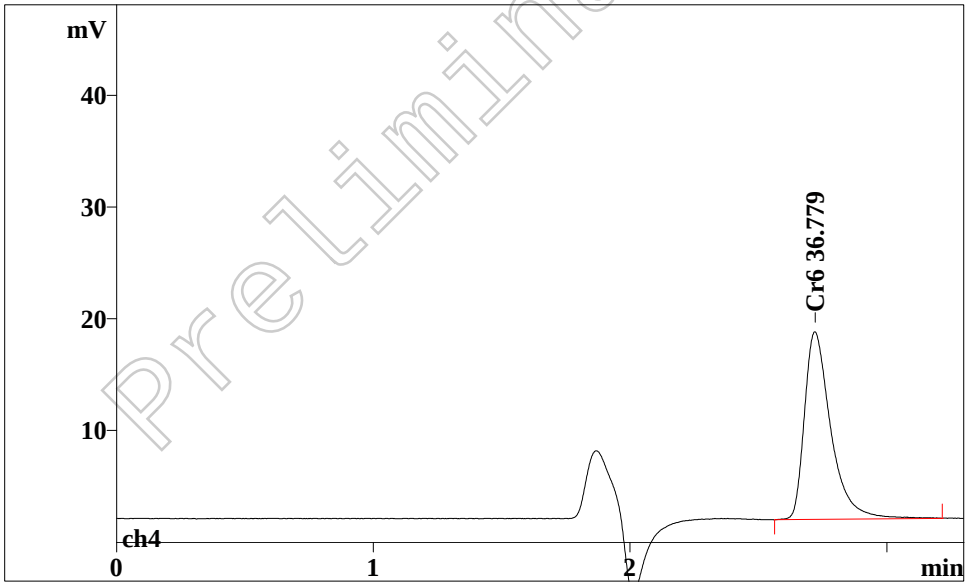
SAMPLE: 100ul loop
:
Vial number: 66
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.104;	16.79;	99.99;	120.202;	100.00;	0.00;	0.00;	32

Report date: 11/27/2009 9:06:13 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20681/3-A@500
Analysis from: 11/2/2009 8:55:54 PM
File: tb022055.chw Last save: 11/27/2009 9:04:08 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20930

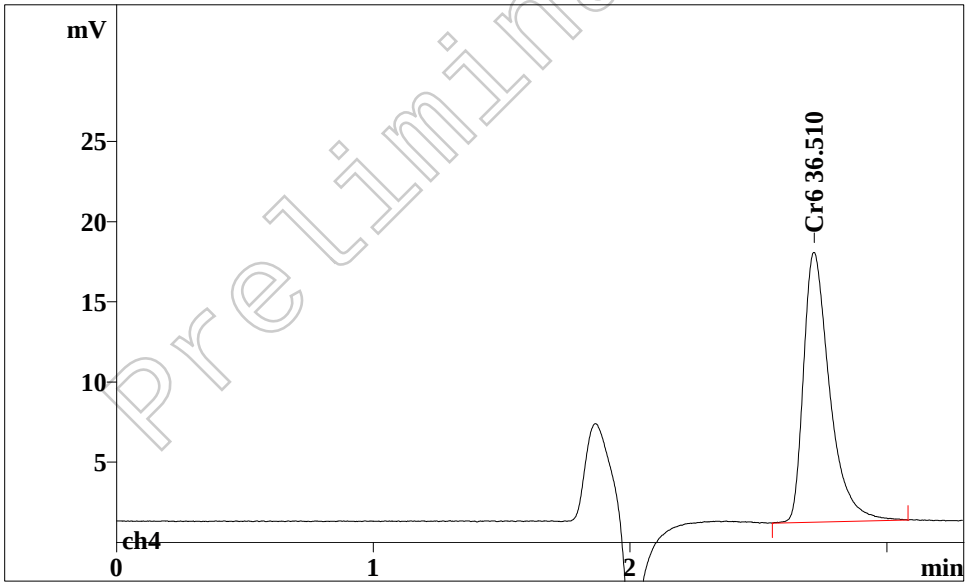
SAMPLE: 100ul loop
:
Vial number: 67
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.104;	16.85;	100.01;	119.314;	100.00;	0.00;	0.00;	33

Report date: 11/27/2009 9:06:17 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-11-A@5
Analysis from: 11/2/2009 9:03:14 PM
File: tb022103.chw Last save: 11/27/2009 9:04:08 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20931

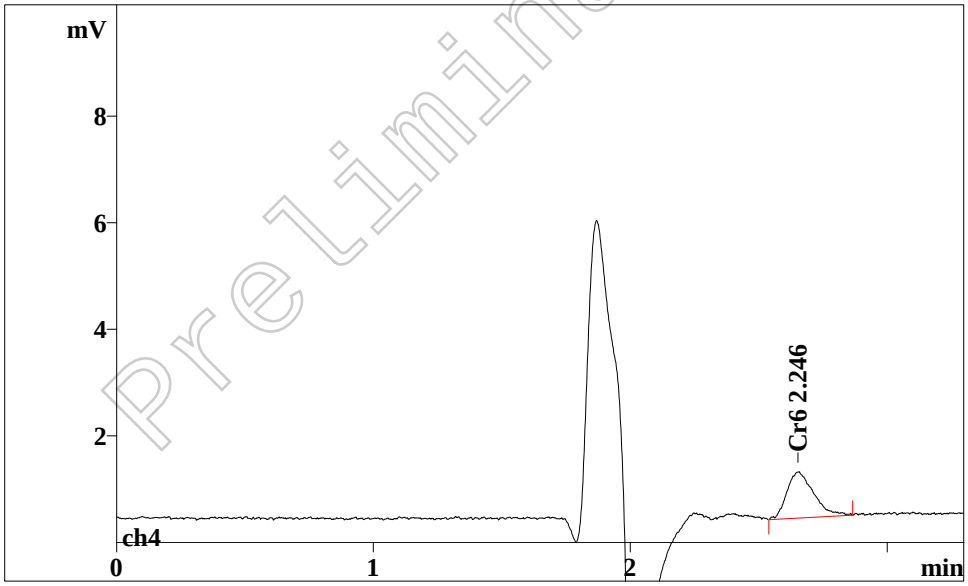
SAMPLE: 100ul loop
:
Vial number: 68
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.65;	0.112;	0.87;	99.98;	6.319;	100.00;	0.00;	0.00;	30

Report date: 11/27/2009 9:06:21 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-11-A@5
Analysis from: 11/2/2009 9:10:33 PM
File: tb022110.chw Last save: 11/27/2009 9:04:09 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20932

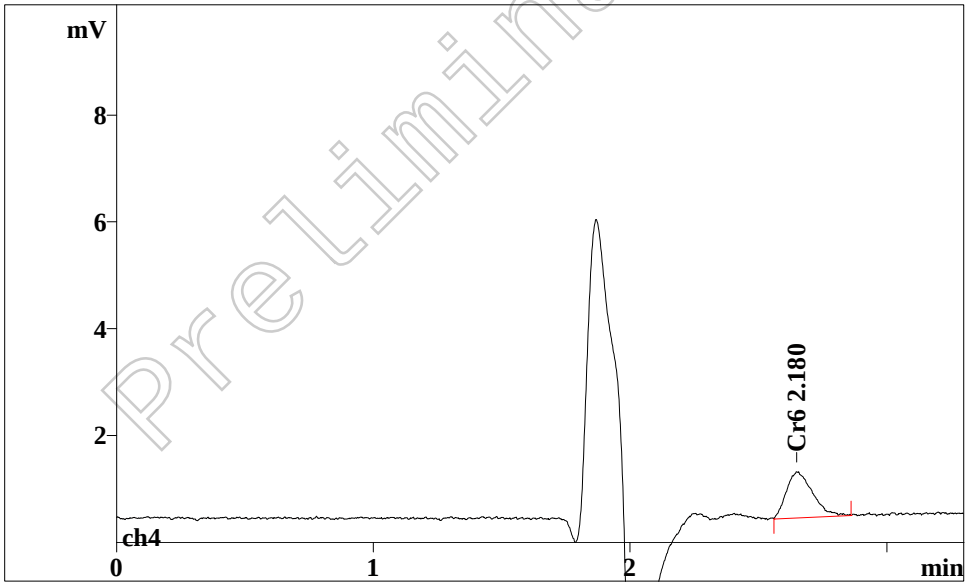
SAMPLE: 100ul loop
:
Vial number: 69
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.65;	0.112;	0.86;	99.81;	6.101;	100.00;	0.00;	0.00;	31

Report date: 11/27/2009 9:06:25 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-11-B DU@5
Analysis from: 11/2/2009 9:17:52 PM
File: tb022117.chw Last save: 11/27/2009 9:04:09 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20933

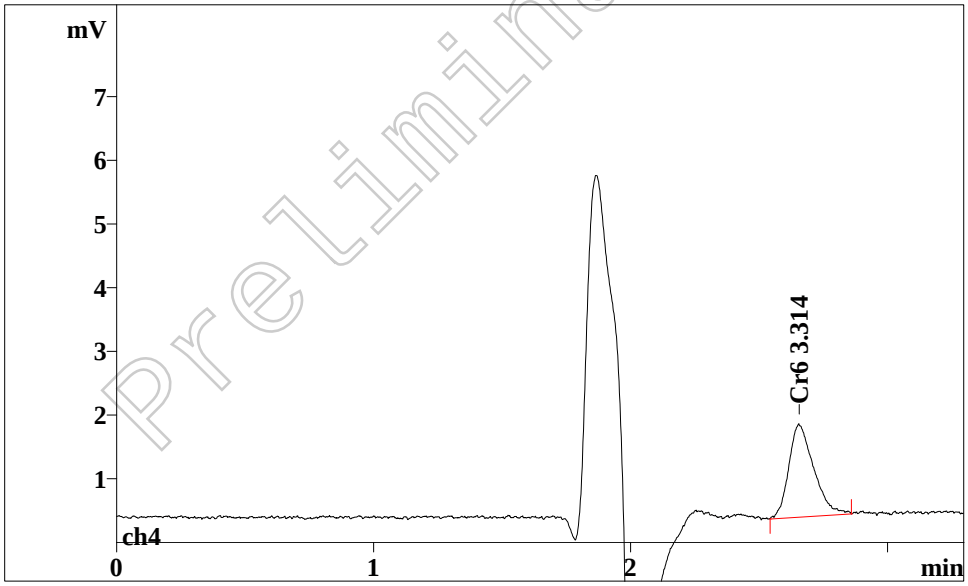
SAMPLE: 100ul loop
:
Vial number: 70
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.65;	0.102;	1.45;	99.09;	9.841;	100.00;	0.00;	0.00;	35

Report date: 11/27/2009 9:06:28 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-11-B DU@5
Analysis from: 11/2/2009 9:25:10 PM
File: tb022125.chw Last save: 11/27/2009 9:04:09 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20934

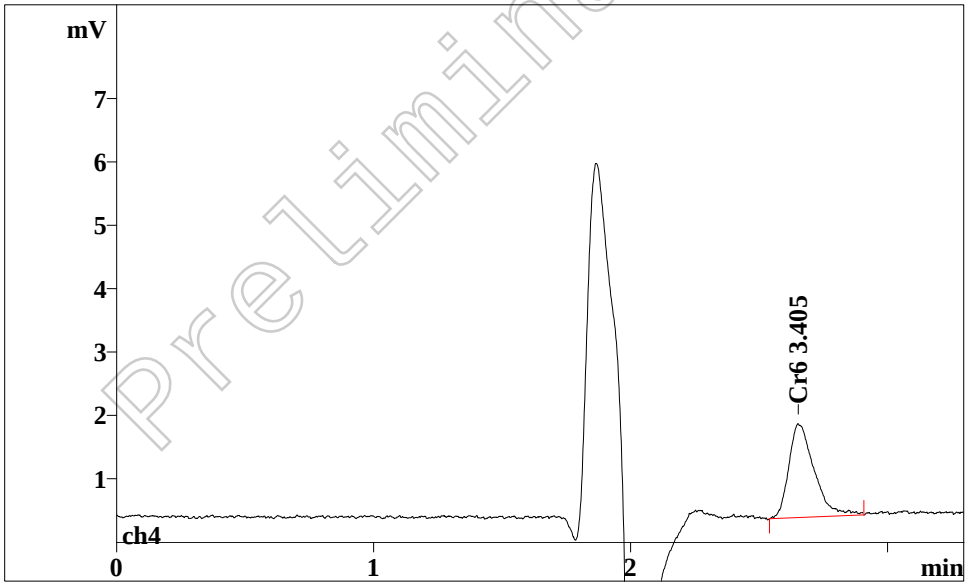
SAMPLE: 100ul loop
:
Vial number: 71
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.65;	0.102;	1.48;	99.68;	10.141;	100.00;	0.00;	0.00;	33

Report date: 11/27/2009 9:06:32 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 11/2/2009 9:32:28 PM
File: tb022132.chw Last save: 11/27/2009 9:04:09 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20935

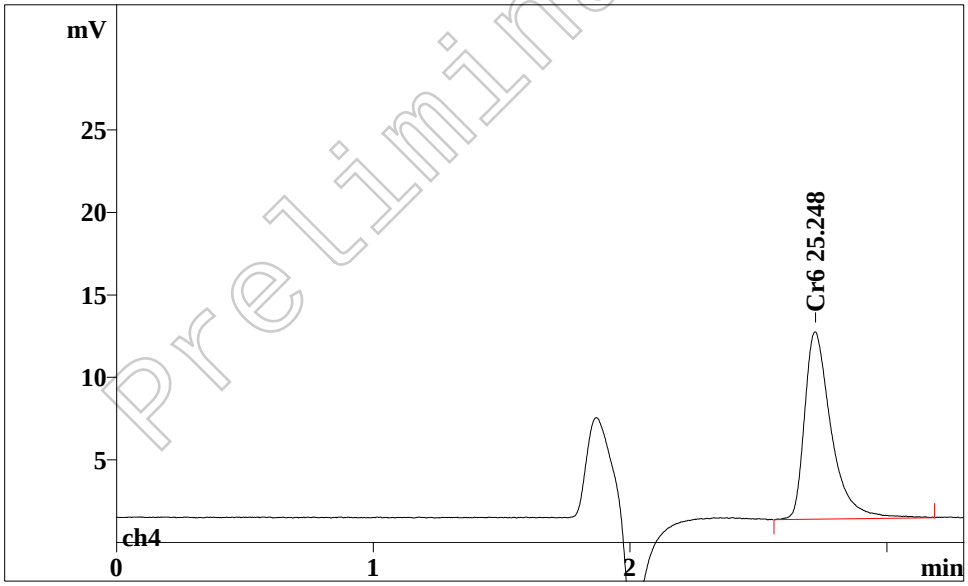
SAMPLE: 100ul loop
:
Vial number: 72
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.104;	11.37;	99.97;	82.175;	100.00;	0.00;	0.00;	32

Report date: 11/27/2009 9:06:37 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 11/2/2009 9:39:44 PM
File: tb022139.chw Last save: 11/27/2009 9:04:09 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20936

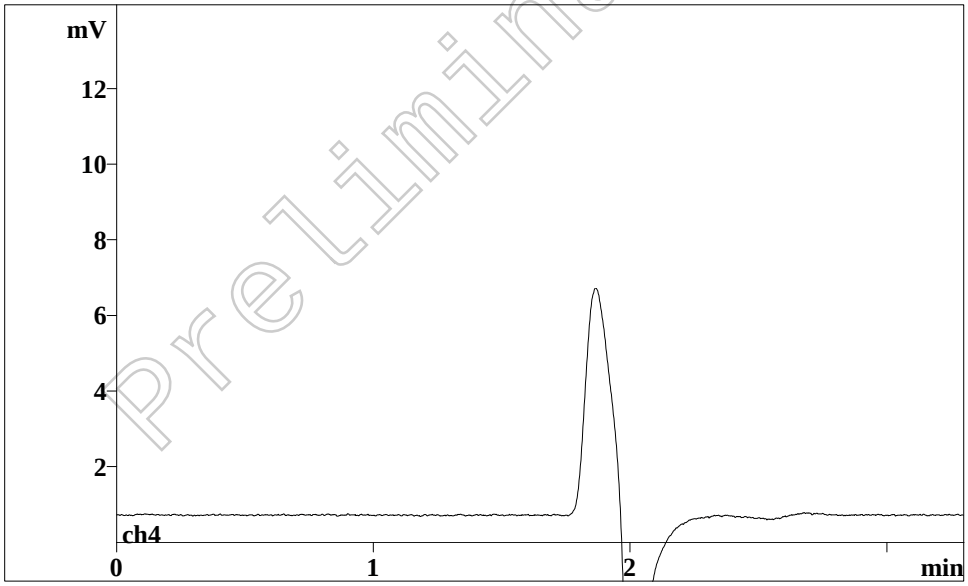
SAMPLE: 100ul loop
:
Vial number: 73
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No peaks

Report date: 11/27/2009 9:06:40 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-11-C MS@40
Analysis from: 11/2/2009 9:47:00 PM
File: tb022147.chw Last save: 11/27/2009 9:04:09 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20937

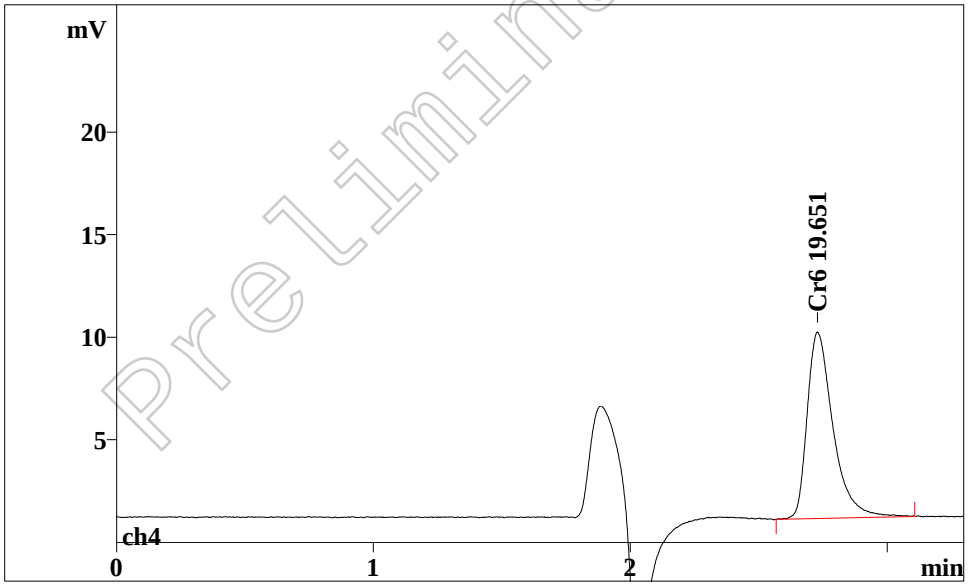
SAMPLE: 100ul loop
:
Vial number: 74
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.103;	9.10;	99.87;	63.718;	100.00;	0.00;	0.00;	34

Report date: 11/27/2009 9:06:43 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-11-C MS@40
Analysis from: 11/2/2009 9:54:16 PM
File: tb022154.chw Last save: 11/27/2009 9:04:09 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20938

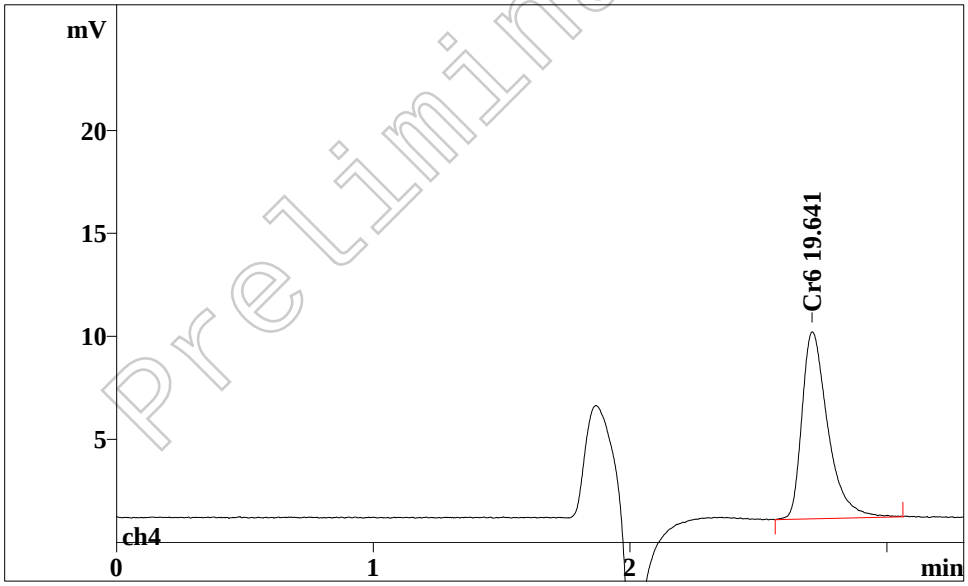
SAMPLE: 100ul loop
:
Vial number: 75
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.103;	9.08;	99.94;	63.685;	100.00;	0.00;	0.00;	33

Report date: 11/27/2009 9:06:46 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-11-D MSI@500
Analysis from: 11/2/2009 10:01:30 PM
File: tb022201.chw Last save: 11/27/2009 9:04:10 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20939

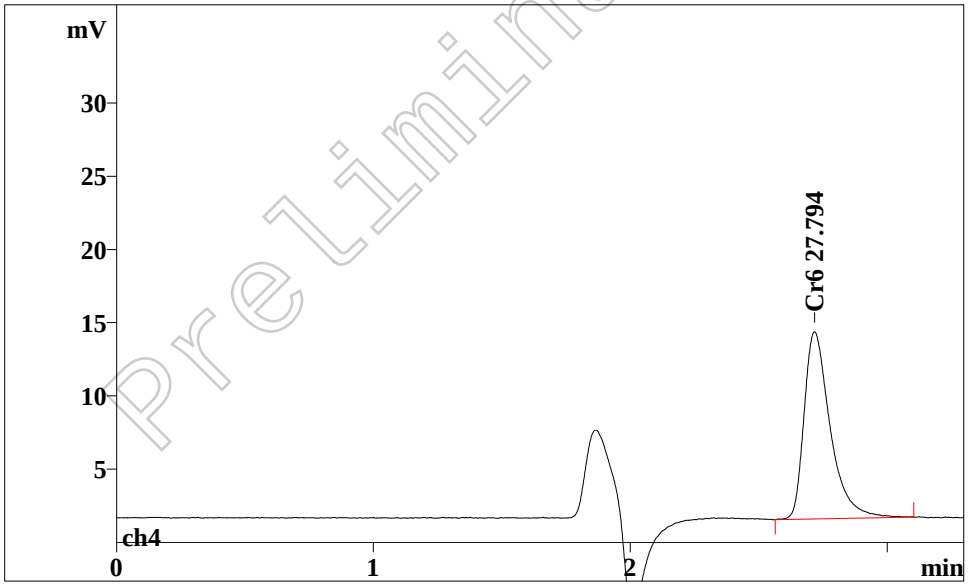
SAMPLE: 100ul loop
:
Vial number: 76
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.104;	12.79;	99.98;	90.572;	100.00;	0.00;	0.00;	33

Report date: 11/27/2009 9:06:50 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-11-D MSI@500
Analysis from: 11/2/2009 10:08:44 PM
File: tb022208.chw Last save: 11/27/2009 9:04:10 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20940

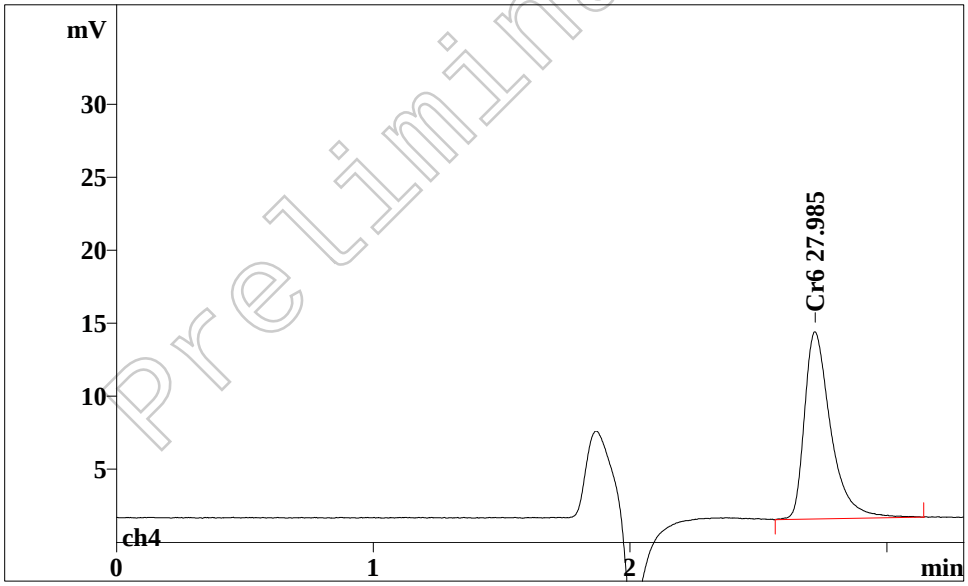
SAMPLE: 100ul loop
:
Vial number: 77
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.104;	12.82;	100.01;	91.200;	100.00;	0.00;	0.00;	33

Report date: 11/27/2009 9:06:54 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-12-A@5
Analysis from: 11/2/2009 10:15:57 PM
File: tb022215.chw Last save: 11/27/2009 9:04:10 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20941

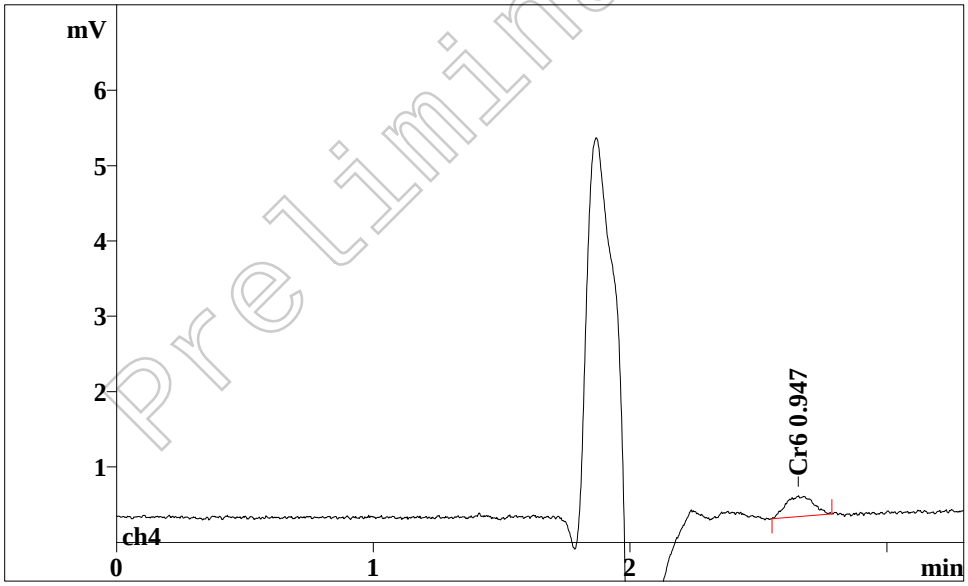
SAMPLE: 100ul loop
:
Vial number: 78
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.65;	0.120;	0.27;	97.85;	2.035;	100.00;	0.00;	0.00;	29

Report date: 11/27/2009 9:06:59 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-12-A@5
Analysis from: 11/2/2009 10:23:09 PM
File: tb022223.chw Last save: 11/27/2009 9:04:10 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20942

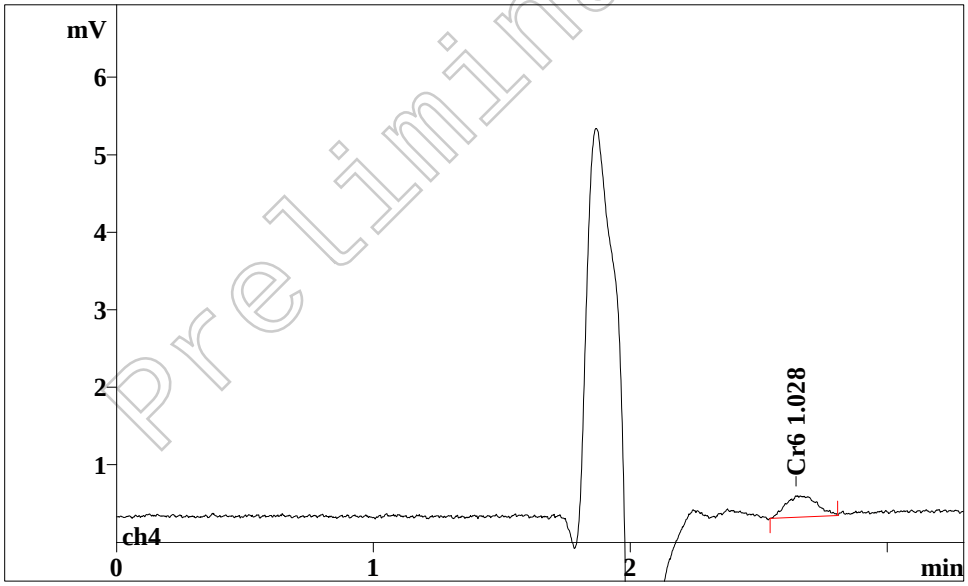
SAMPLE: 100ul loop
:
Vial number: 79
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.65;	0.139;	0.27;	98.28;	2.304;	100.00;	0.00;	0.00;	22

Report date: 11/27/2009 9:07:03 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-13-A@5
Analysis from: 11/2/2009 10:30:20 PM
File: tb022230.chw Last save: 11/27/2009 9:04:10 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20943

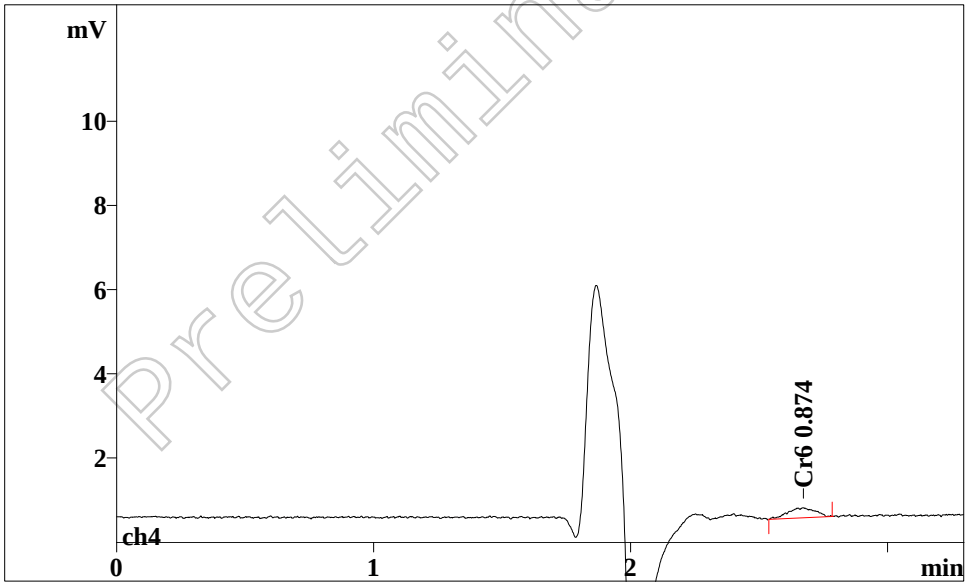
SAMPLE: 100ul loop
:
Vial number: 80
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.67;	0.134;	0.24;	99.78;	1.796;	100.00;	0.00;	0.00;	28

Report date: 11/27/2009 9:07:08 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-13-A@5
Analysis from: 11/2/2009 10:37:31 PM
File: tb022237.chw Last save: 11/27/2009 9:04:10 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20944

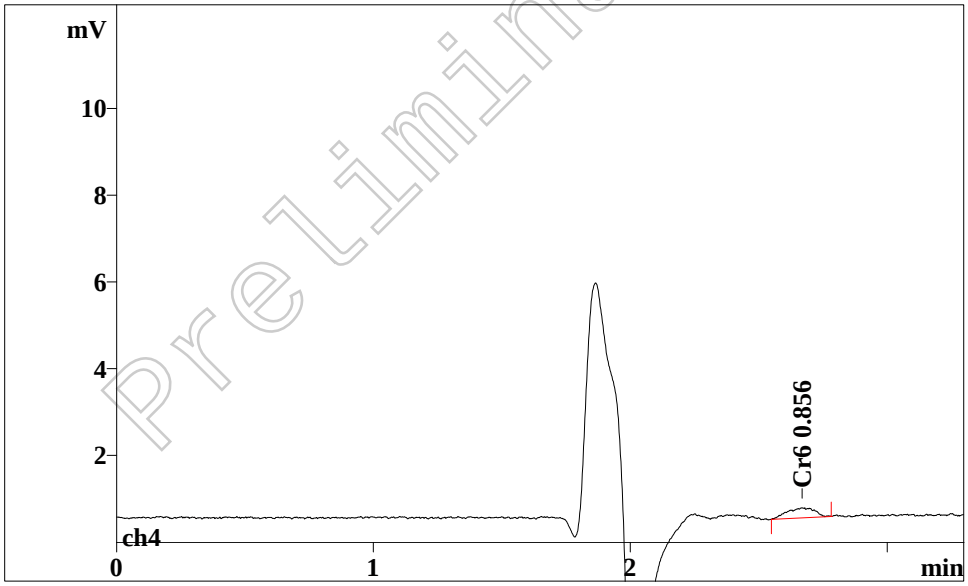
SAMPLE: 100ul loop
:
Vial number: 81
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.67;	0.135;	0.23;	99.06;	1.736;	100.00;	0.00;	0.00;	28

Report date: 11/27/2009 9:07:16 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-11-A PDS@40
Analysis from: 11/2/2009 10:44:42 PM
File: tb022244.chw Last save: 11/27/2009 9:04:10 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20945

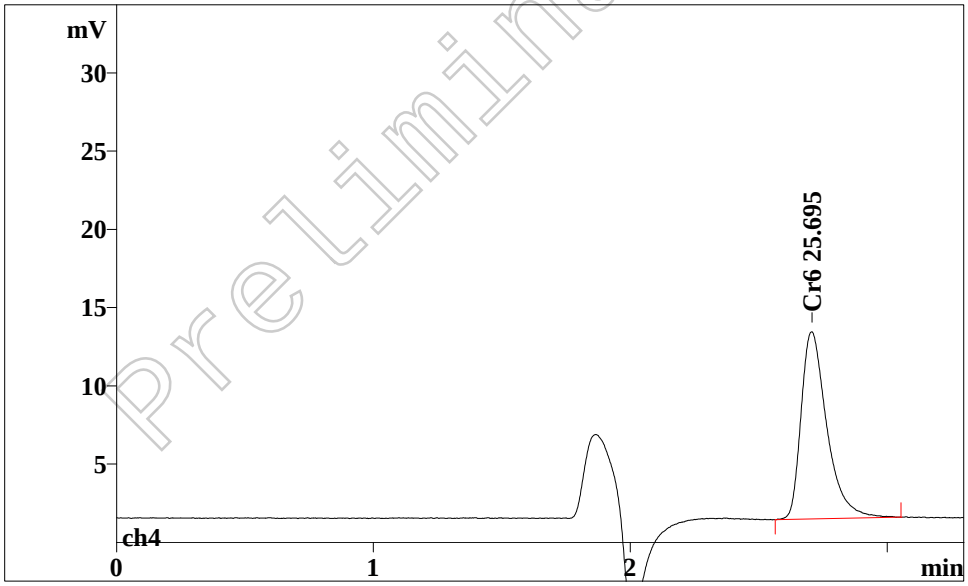
SAMPLE: 100ul loop
:
Vial number: 82
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.103;	11.98;	100.03;	83.649;	100.00;	0.00;	0.00;	33

Report date: 11/27/2009 9:07:19 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-11-A PDS@40
Analysis from: 11/2/2009 10:51:51 PM
File: tb022251.chw Last save: 11/27/2009 9:04:11 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20946

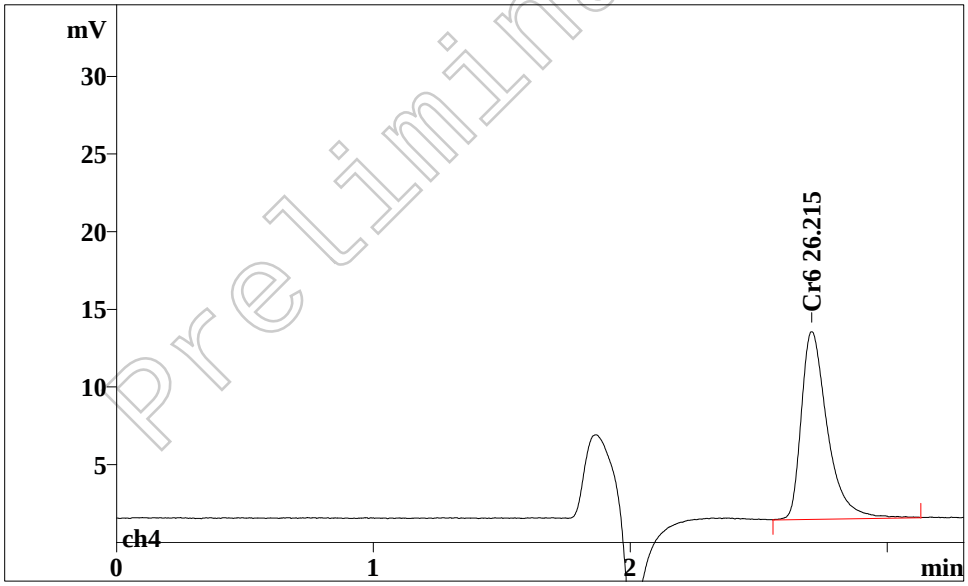
SAMPLE: 100ul loop
:
Vial number: 83
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.103;	12.09;	100.09;	85.363;	100.00;	0.00;	0.00;	33

Report date: 11/27/2009 9:07:23 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 11/2/2009 10:59:03 PM
File: tb022259.chw Last save: 11/27/2009 9:04:11 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20947

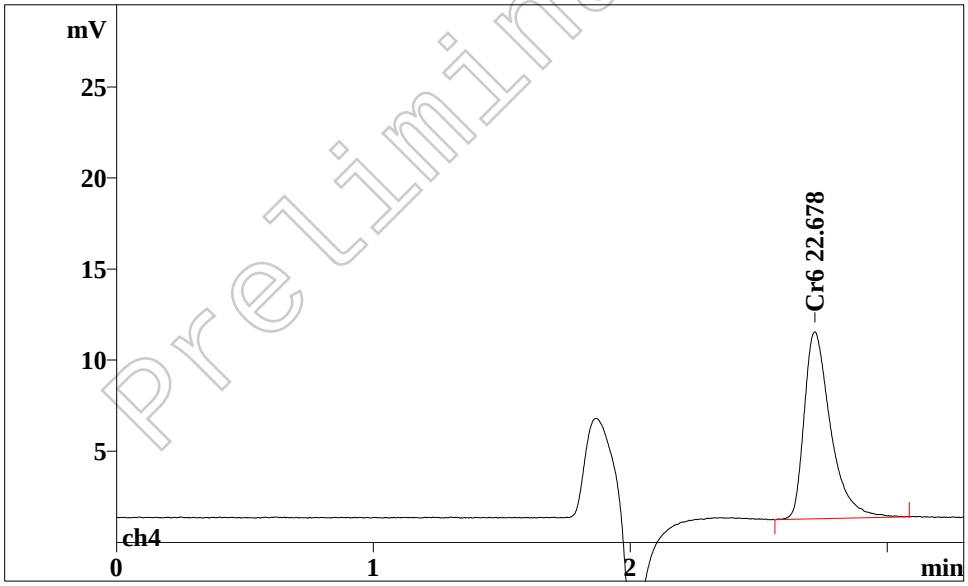
SAMPLE: 100ul loop
:
Vial number: 84
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.105;	10.28;	99.97;	73.698;	100.00;	0.00;	0.00;	32

Report date: 11/27/2009 9:07:27 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 11/2/2009 11:06:12 PM
File: tb022306.chw Last save: 11/27/2009 9:04:11 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20948

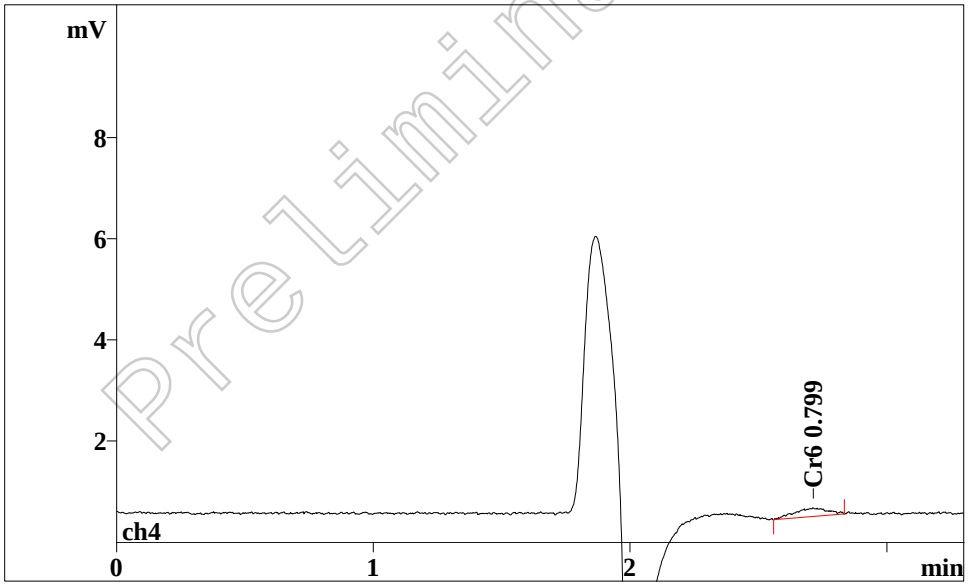
SAMPLE: 100ul loop
:
Vial number: 85
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.170;	0.16;	95.18;	1.548;	100.00;	0.00;	0.00;	20

Report date: 11/27/2009 9:07:32 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20682/1-A@2
Analysis from: 11/2/2009 11:13:23 PM
File: tb022313.chw Last save: 11/27/2009 9:04:11 AM

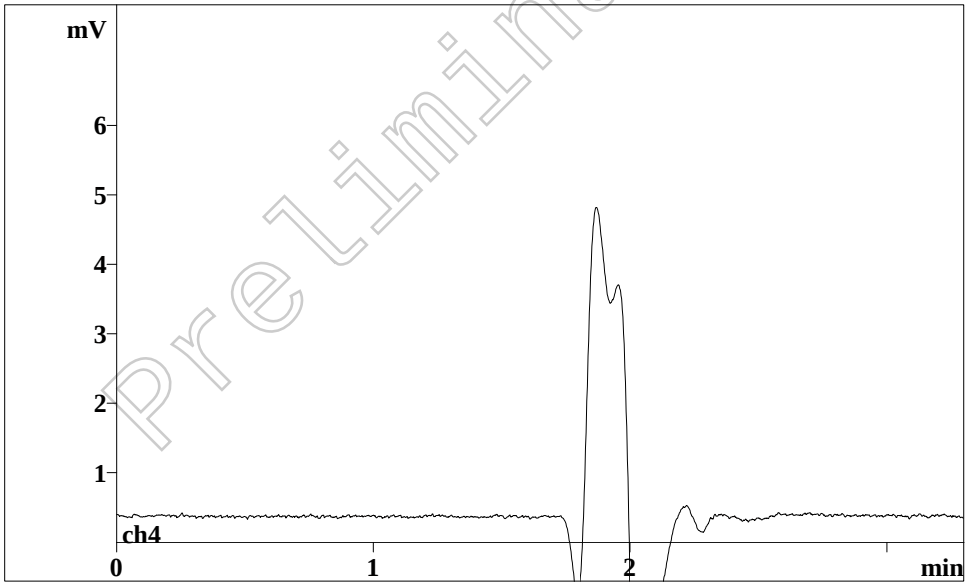
Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20949

SAMPLE: 100ul loop
:
Vial number: 86
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No peaks

Preliminary Data

Report date: 11/27/2009 9:07:36 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20682/1-A@2
Analysis from: 11/2/2009 11:20:34 PM
File: tb022320.chw Last save: 11/27/2009 9:04:11 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20950

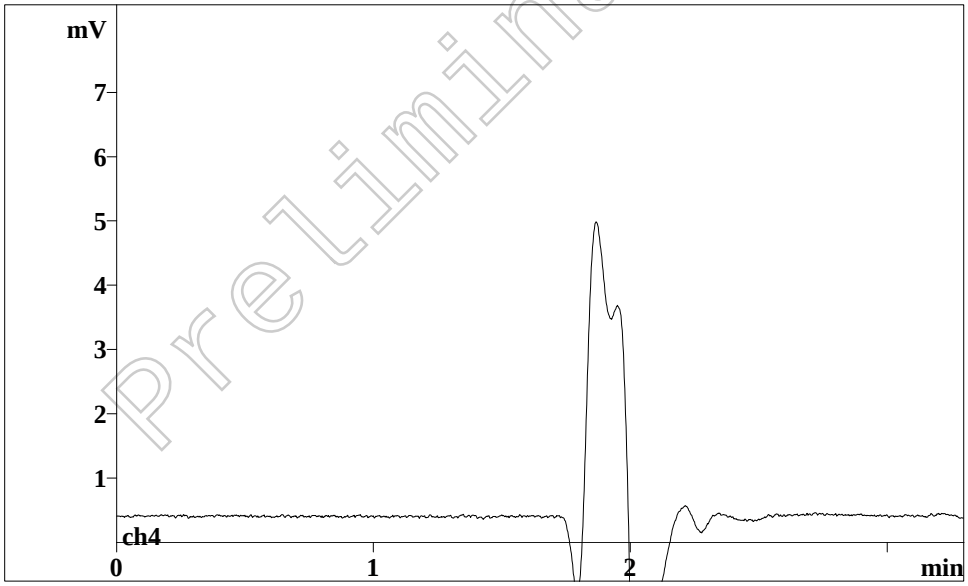
SAMPLE: 100ul loop
:
Vial number: 87
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No peaks

Report date: 11/27/2009 9:07:41 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20682/2-A@25
Analysis from: 11/2/2009 11:27:46 PM
File: tb022327.chw Last save: 11/27/2009 9:04:11 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20951

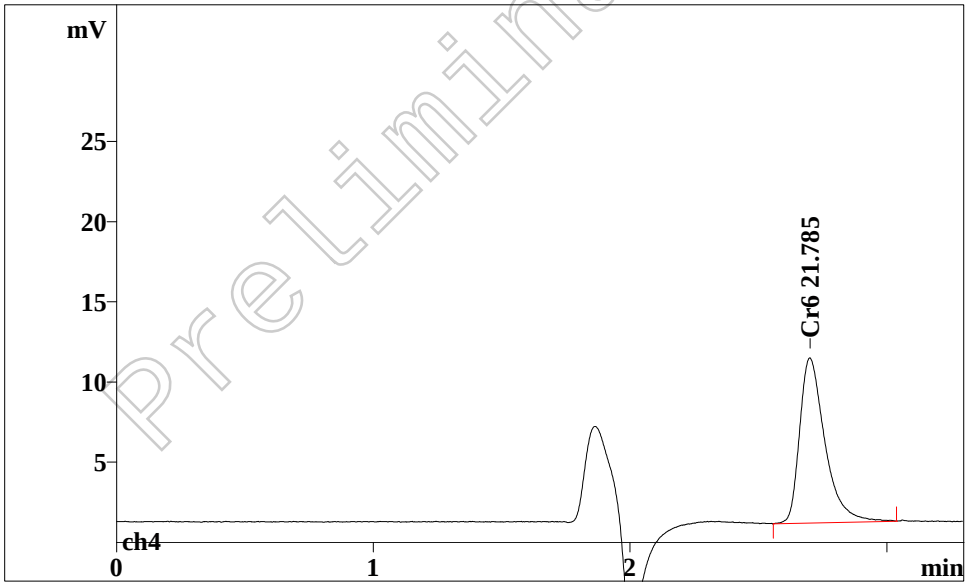
SAMPLE: 100ul loop
:
Vial number: 88
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.101;	10.30;	99.92;	70.755;	100.00;	0.00;	0.00;	35

Report date: 11/27/2009 9:07:44 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20682/2-A@25
Analysis from: 11/2/2009 11:34:59 PM
File: tb022334.chw Last save: 11/27/2009 9:04:11 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20952

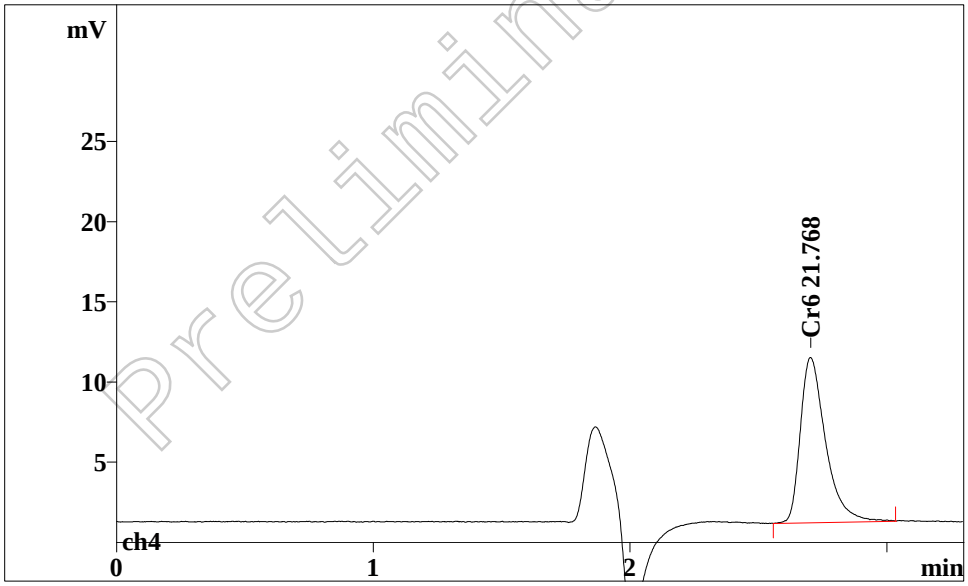
SAMPLE: 100ul loop
:
Vial number: 89
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.100;	10.33;	99.97;	70.699;	100.00;	0.00;	0.00;	35

Report date: 11/27/2009 9:07:48 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20682/3-A@500
Analysis from: 11/2/2009 11:42:12 PM
File: tb022342.chw Last save: 11/27/2009 9:04:12 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20953

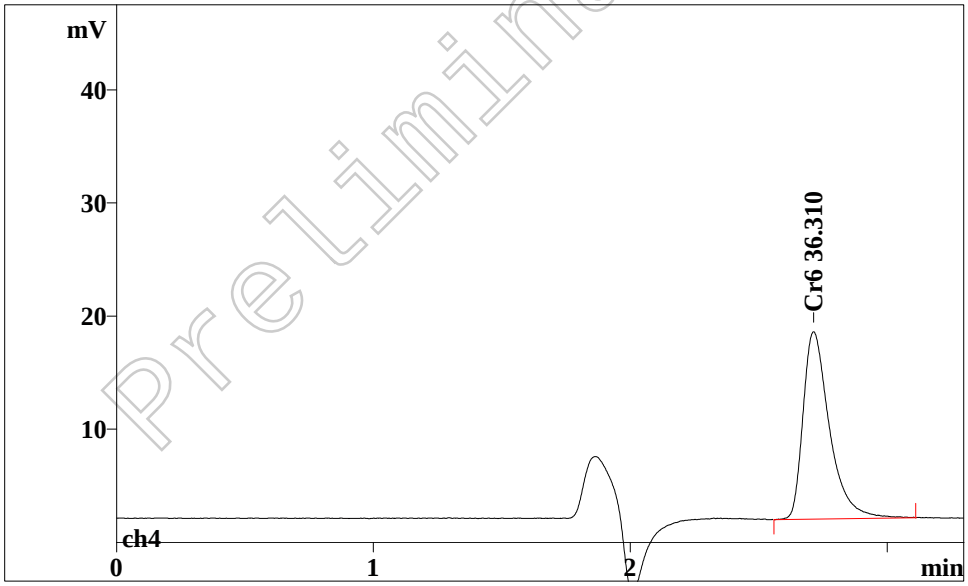
SAMPLE: 100ul loop
:
Vial number: 90
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.105;	16.57;	100.00;	118.654;	100.00;	0.00;	0.00;	32

Report date: 11/27/2009 9:07:50 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20682/3-A@500
Analysis from: 11/2/2009 11:42:12 PM
File: tb022342.chw Last save: 11/27/2009 9:04:12 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20953

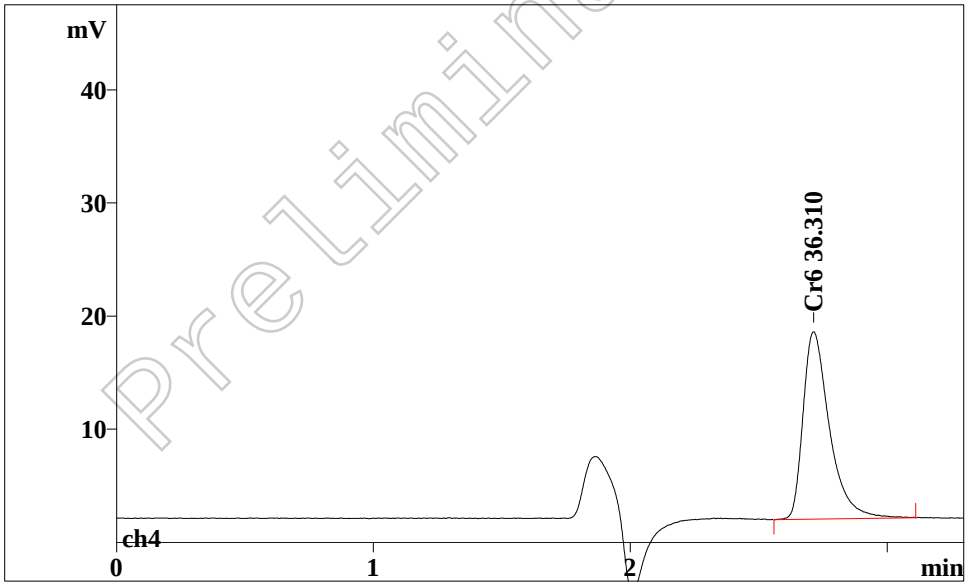
SAMPLE: 100ul loop
:
Vial number: 90
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.105;	16.57;	100.00;	118.654;	100.00;	0.00;	0.00;	32

Report date: 11/27/2009 9:07:53 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20682/3-A@500
Analysis from: 11/2/2009 11:49:27 PM
File: tb022349.chw Last save: 11/27/2009 9:04:12 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20954

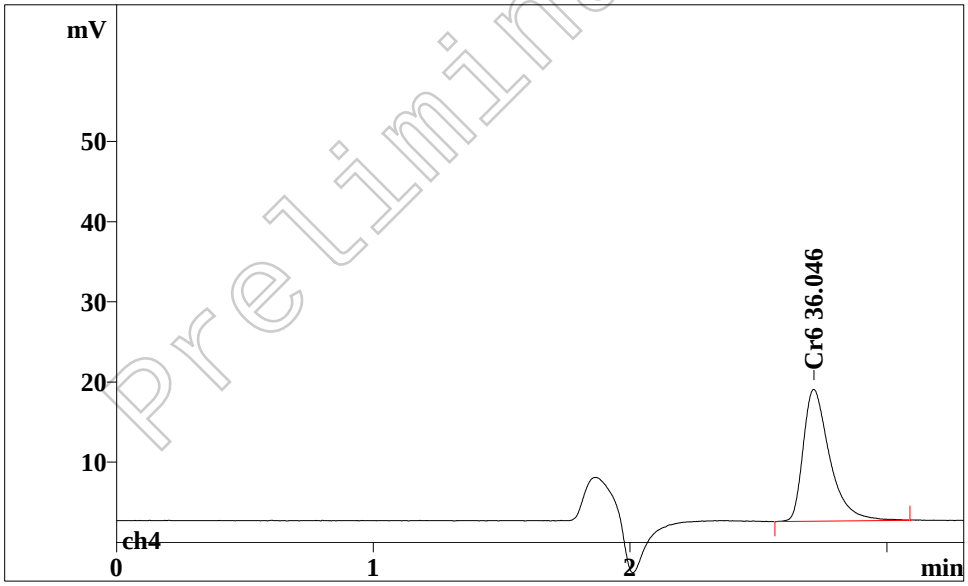
SAMPLE: 100ul loop
:
Vial number: 91
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.105;	16.45;	100.02;	117.785;	100.00;	0.00;	0.00;	32

Report date: 11/27/2009 9:07:57 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-14-A@5
Analysis from: 11/2/2009 11:56:42 PM
File: tb022356.chw Last save: 11/27/2009 9:04:12 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20955

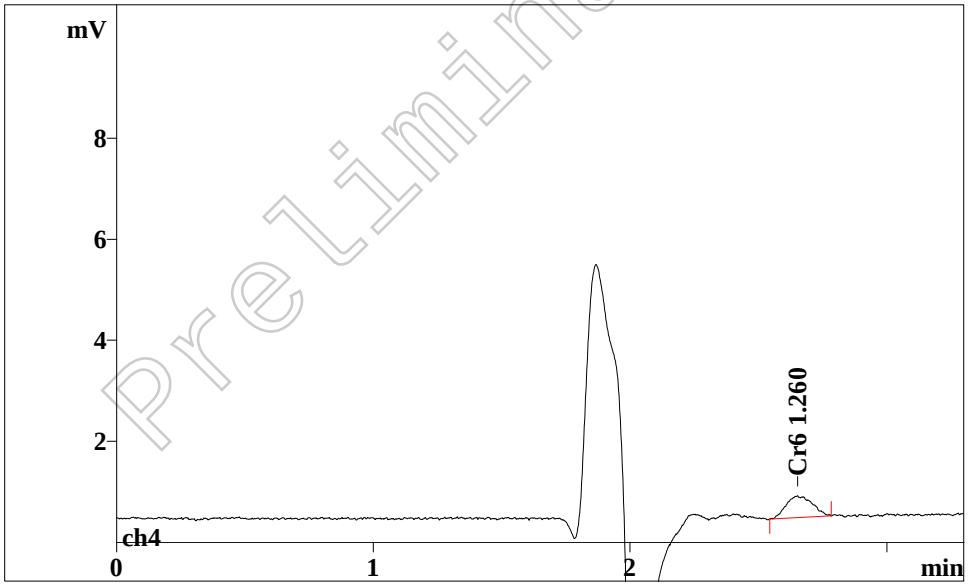
SAMPLE: 100ul loop
:
Vial number: 92
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.65;	0.123;	0.43;	98.82;	3.067;	100.00;	0.00;	0.00;	31

Report date: 11/27/2009 9:08:02 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-14-A@5
Analysis from: 11/3/2009 12:03:58 AM
File: tb030003.chw Last save: 11/27/2009 9:04:12 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20956

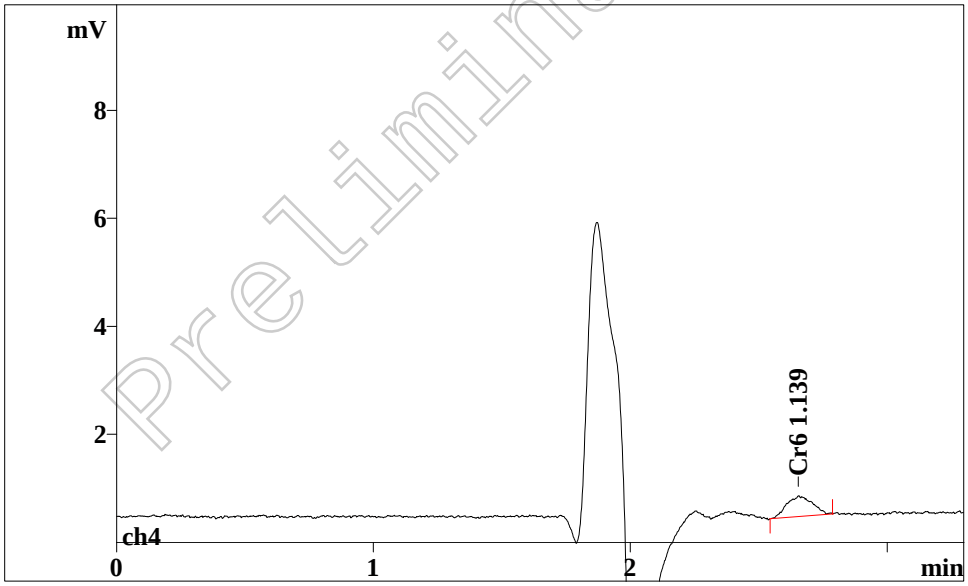
SAMPLE: 100ul loop
:
Vial number: 93
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.65;	0.120;	0.38;	98.61;	2.670;	100.00;	0.00;	0.00;	33

Report date: 11/27/2009 9:08:06 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-14-B DU@5
Analysis from: 11/3/2009 12:11:15 AM
File: tb030011.chw Last save: 11/27/2009 9:04:12 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20957

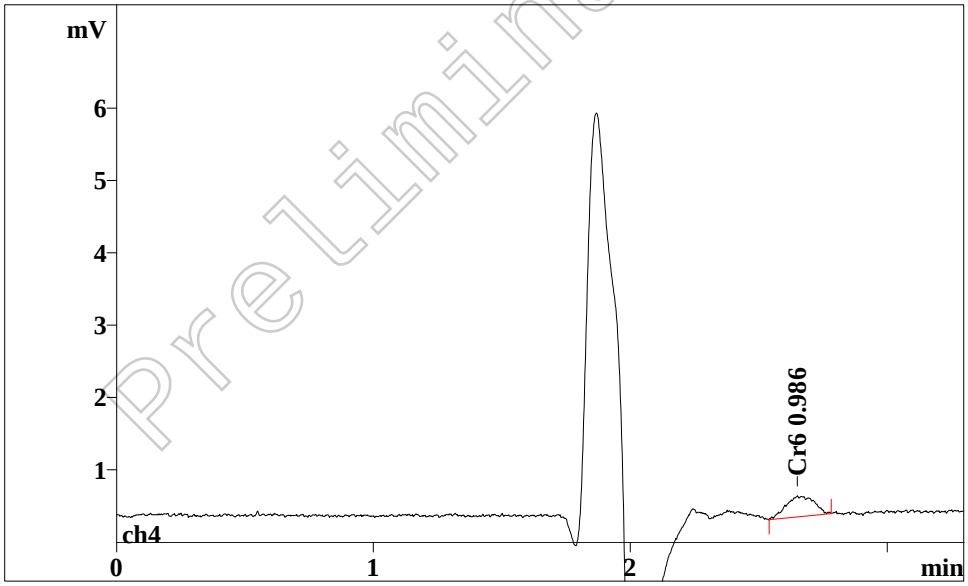
SAMPLE: 100ul loop
:
Vial number: 94
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.65;	0.131;	0.28;	95.74;	2.164;	100.00;	0.00;	0.00;	28

Report date: 11/27/2009 9:08:10 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-14-B DU@5
Analysis from: 11/3/2009 12:18:32 AM
File: tb030018.chw Last save: 11/27/2009 9:04:12 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20958

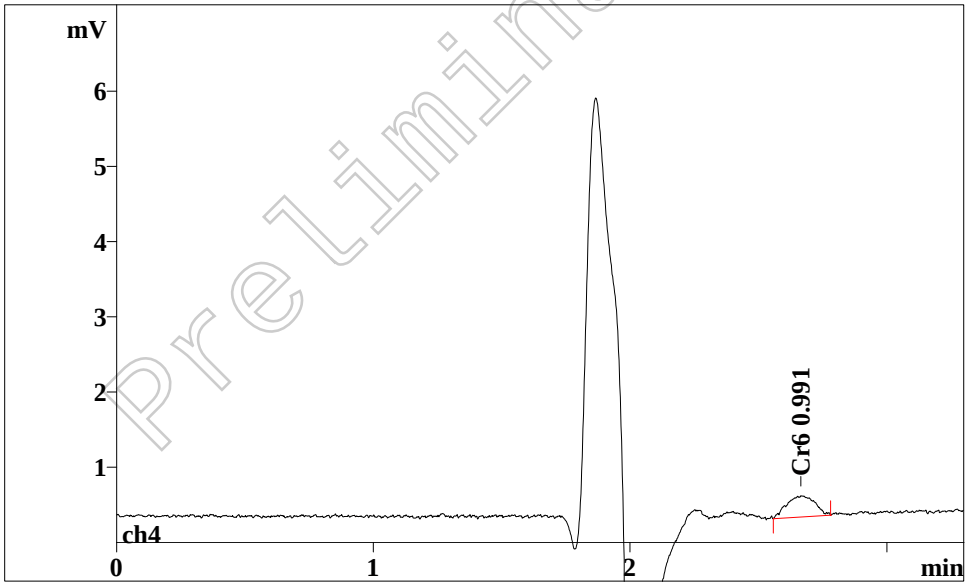
SAMPLE: 100ul loop
:
Vial number: 95
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.68;	0.138;	0.28;	97.40;	2.180;	100.00;	0.00;	0.00;	27

Report date: 11/27/2009 9:08:15 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 11/3/2009 12:25:50 AM
File: tb030025.chw Last save: 11/27/2009 9:04:13 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20959

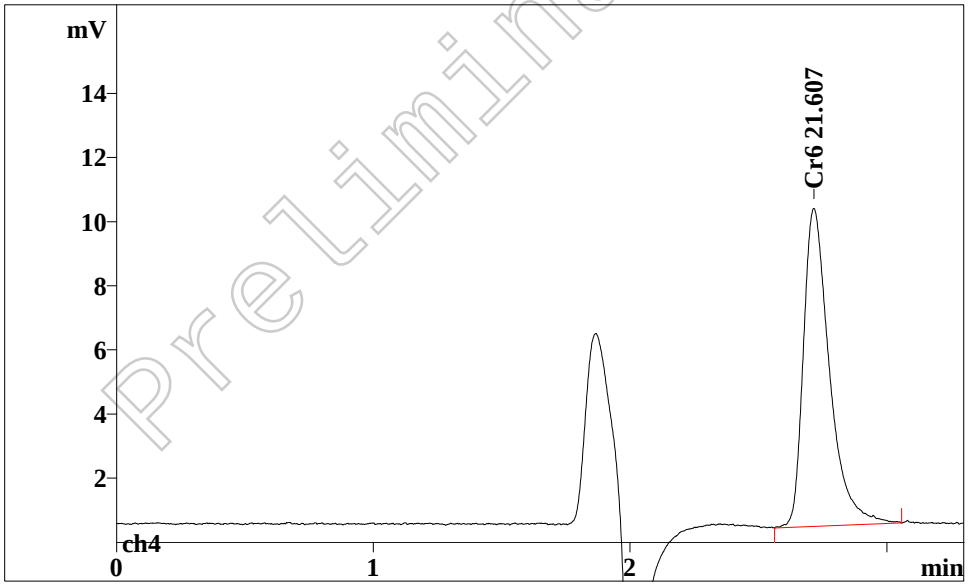
SAMPLE: 100ul loop
:
Vial number: 96
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.104;	9.92;	99.99;	70.168;	100.00;	0.00;	0.00;	33

Report date: 11/27/2009 9:08:19 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 11/3/2009 12:33:10 AM
File: tb030033.chw Last save: 11/27/2009 9:04:13 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20960

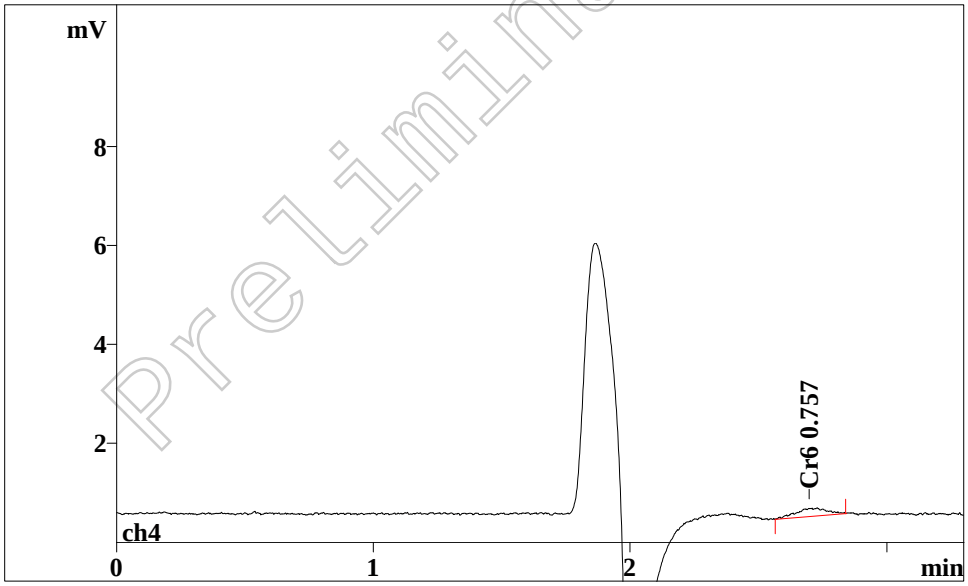
SAMPLE: 100ul loop
:
Vial number: 97
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.142;	0.16;	96.33;	1.408;	100.00;	0.00;	0.00;	23

Report date: 11/27/2009 9:09:33 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-14-C MS@40
Analysis from: 11/3/2009 12:40:29 AM
File: tb030040.chw Last save: 11/27/2009 9:04:13 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20961

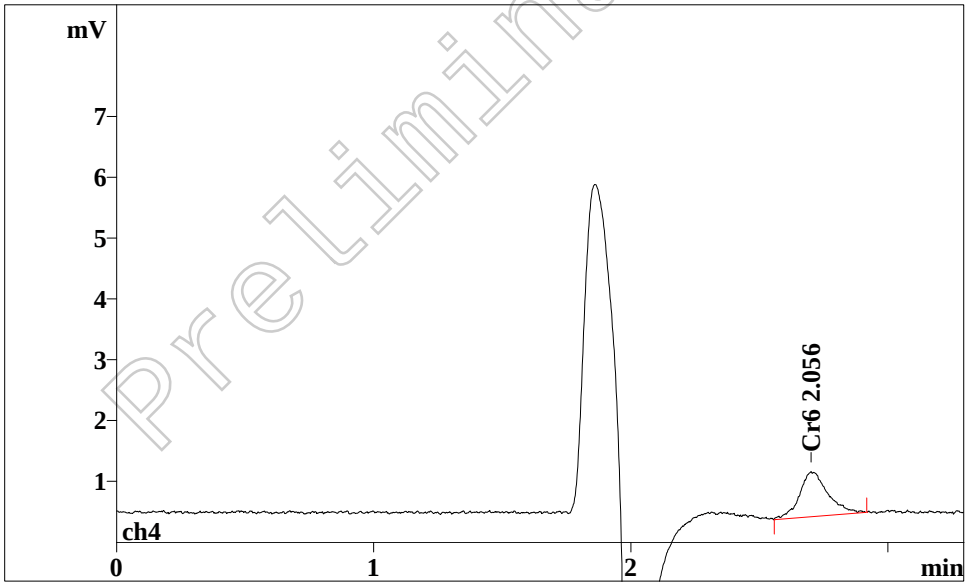
SAMPLE: 100ul loop
:
Vial number: 98
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.110;	0.73;	98.84;	5.694;	100.00;	0.00;	0.00;	27

Report date: 11/27/2009 9:09:37 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-14-C MS@40
Analysis from: 11/3/2009 12:47:50 AM
File: tb030047.chw Last save: 11/27/2009 9:04:13 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20962

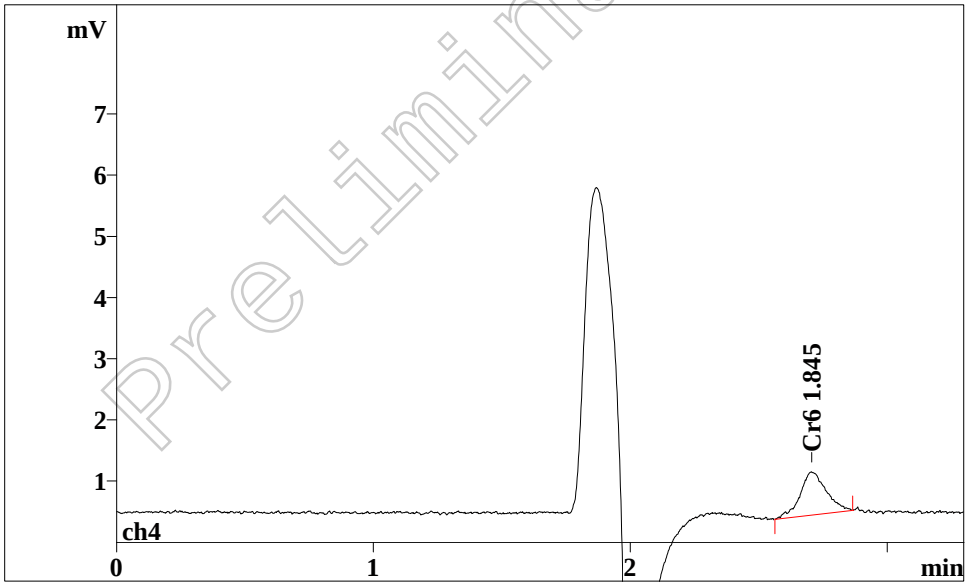
SAMPLE: 100ul loop
:
Vial number: 99
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.103;	0.70;	99.35;	4.998;	100.00;	0.00;	0.00;	33

Report date: 11/27/2009 9:09:41 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-14-D MSI@500
Analysis from: 11/3/2009 12:55:10 AM
File: tb030055.chw Last save: 11/27/2009 9:04:13 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20963

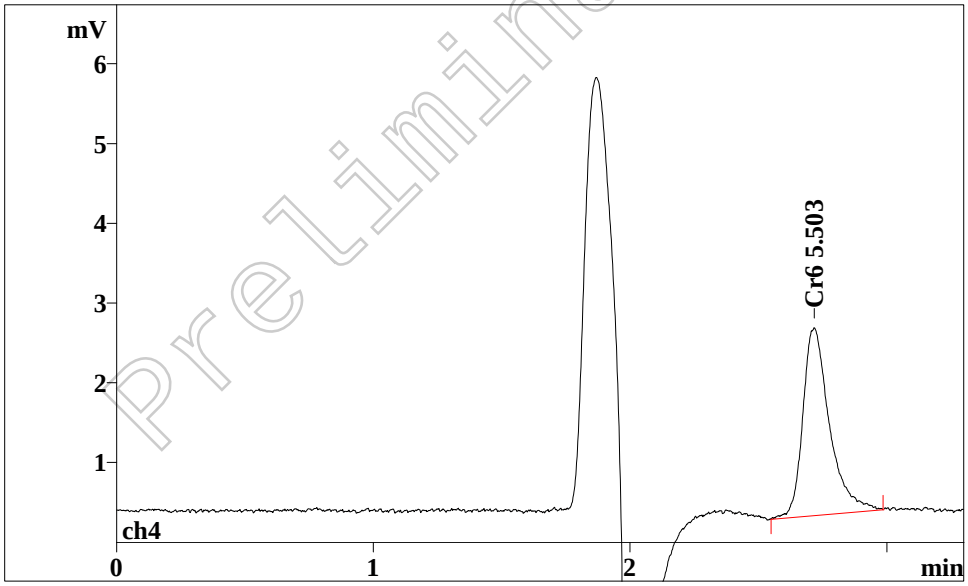
SAMPLE: 100ul loop
:
Vial number: 100
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.103;	2.35;	99.72;	17.059;	100.00;	0.00;	0.00;	31

Report date: 11/27/2009 9:09:45 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-14-D MSI@500
Analysis from: 11/3/2009 1:02:30 AM
File: tb030102.chw Last save: 11/27/2009 9:04:14 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20964

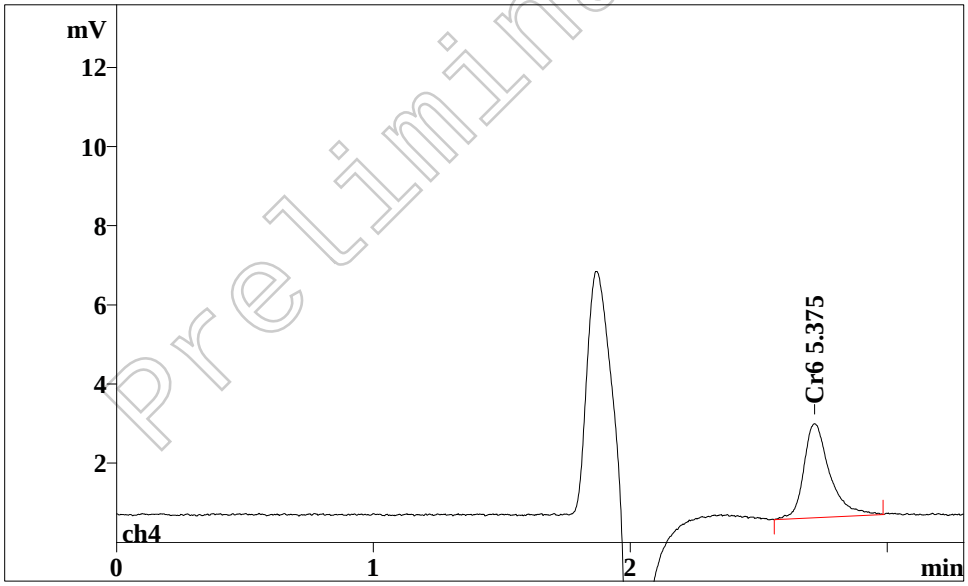
SAMPLE: 100ul loop
:
Vial number: 101
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.099;	2.37;	99.99;	16.639;	100.00;	0.00;	0.00;	34

Report date: 11/27/2009 9:09:48 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-14-A PDS@40
Analysis from: 11/3/2009 1:09:50 AM
File: tb030109.chw Last save: 11/27/2009 9:04:14 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20965

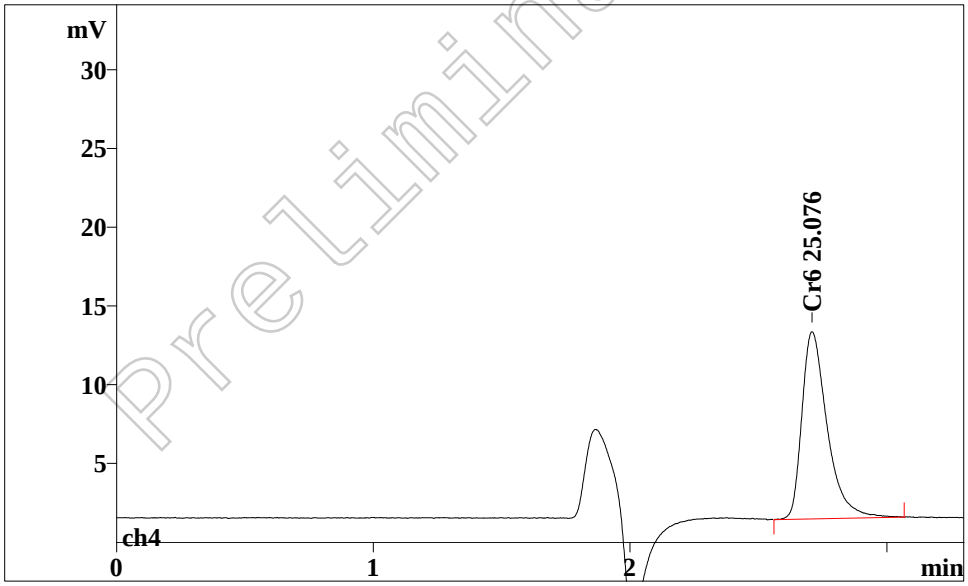
SAMPLE: 100ul loop
:
Vial number: 102
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.101;	11.89;	100.03;	81.608;	100.00;	0.00;	0.00;	35

Report date: 11/27/2009 9:09:51 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-14-A PDS@40
Analysis from: 11/3/2009 1:17:11 AM
File: tb030117.chw Last save: 11/27/2009 9:04:14 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20966

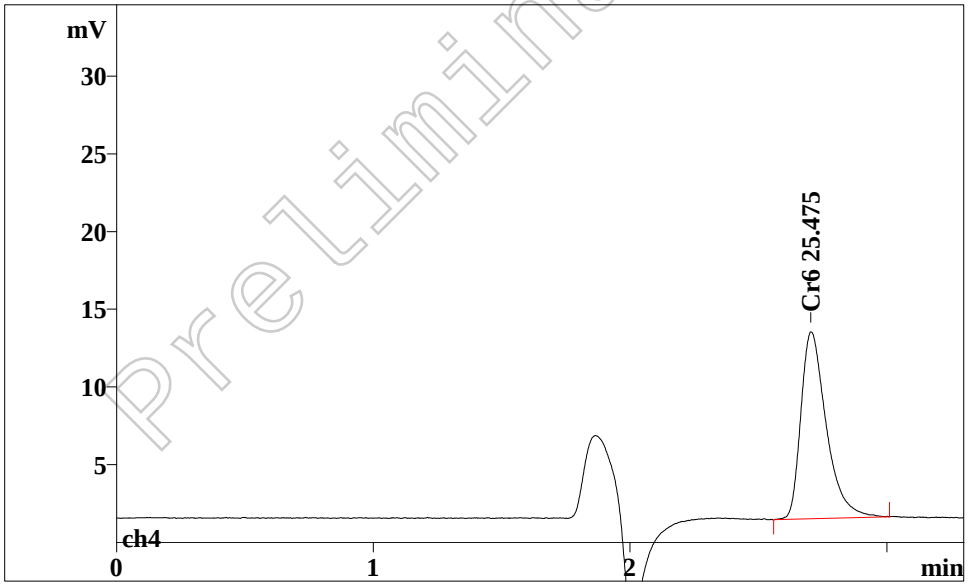
SAMPLE: 100ul loop
:
Vial number: 103
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.102;	12.04;	99.98;	82.922;	100.00;	0.00;	0.00;	34

Report date: 11/27/2009 9:09:57 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20683/1-A@2
Analysis from: 11/3/2009 1:24:31 AM
File: tb030124.chw Last save: 11/27/2009 9:04:14 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20967

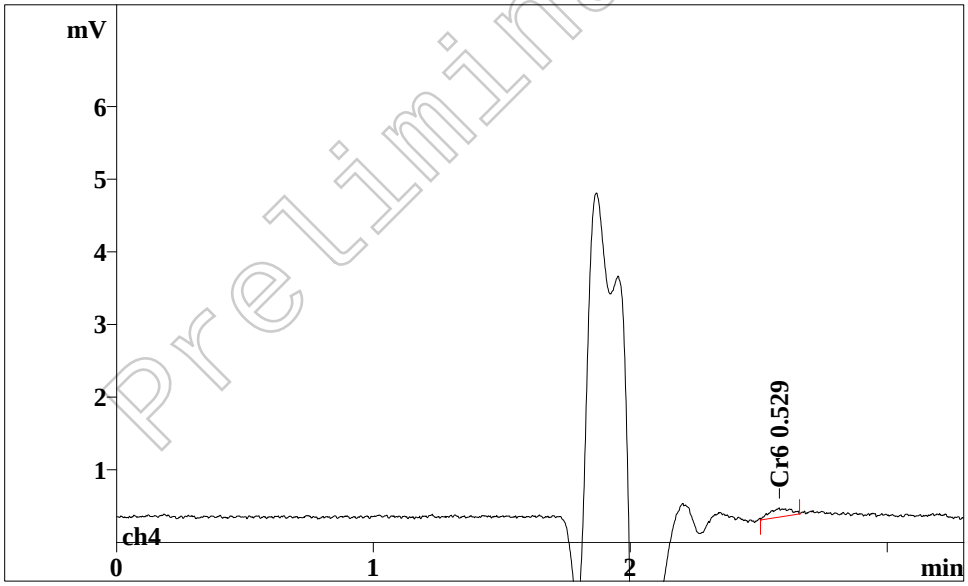
SAMPLE: 100ul loop
:
Vial number: 104
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.57;	0.105;	0.12;	92.69;	0.657;	100.00;	0.00;	0.00;	55

Report date: 11/27/2009 9:10:03 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20683/1-A@2
Analysis from: 11/3/2009 1:31:51 AM
File: tb030131.chw Last save: 11/27/2009 9:04:14 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20968

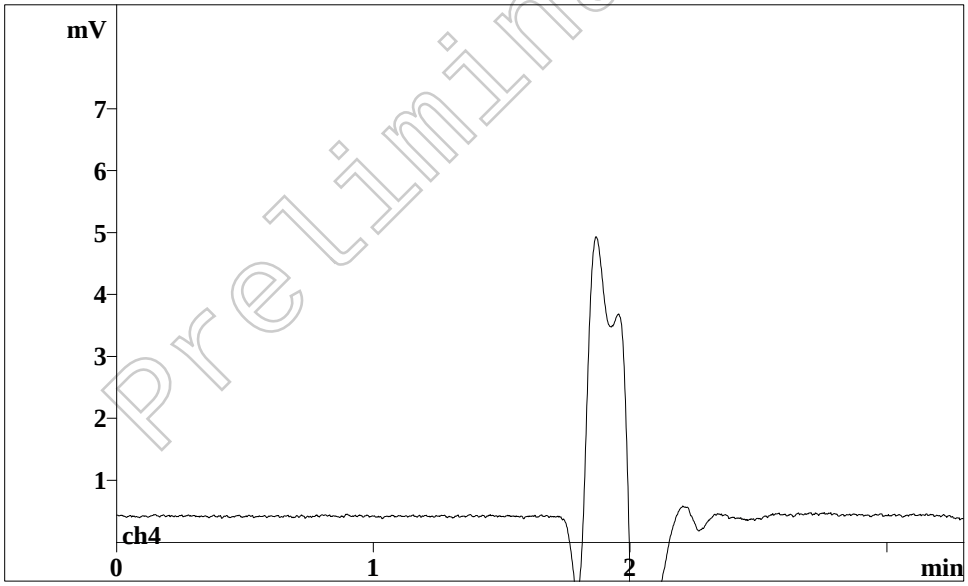
SAMPLE: 100ul loop
:
Vial number: 105
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No peaks

Report date: 11/27/2009 9:10:07 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20683/2-A@25
Analysis from: 11/3/2009 1:39:11 AM
File: tb030139.chw Last save: 11/27/2009 9:04:15 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20969

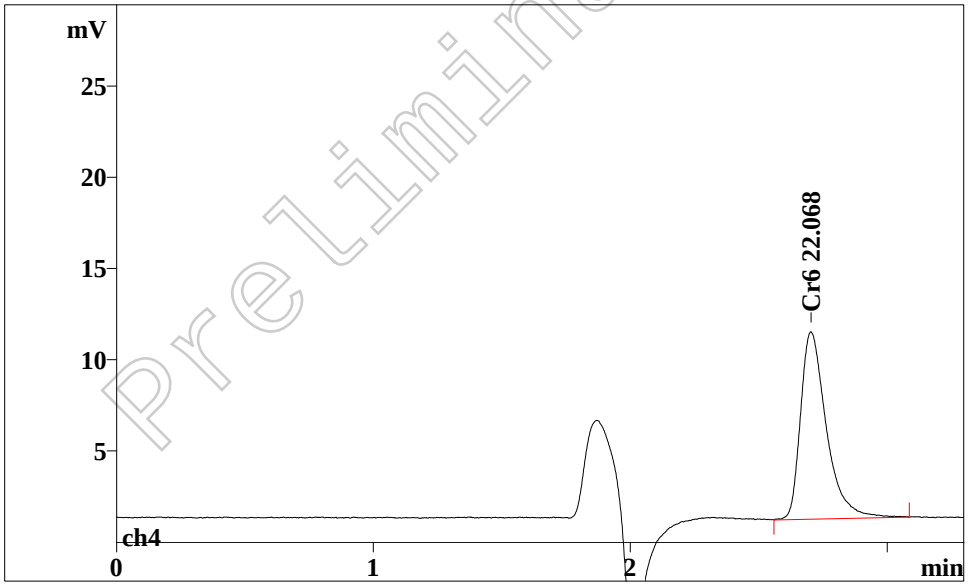
SAMPLE: 100ul loop
:
Vial number: 106
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.103;	10.26;	99.94;	71.687;	100.00;	0.00;	0.00;	33

Report date: 11/27/2009 9:10:11 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20683/2-A@25
Analysis from: 11/3/2009 1:46:30 AM
File: tb030146.chw Last save: 11/27/2009 9:04:15 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20970

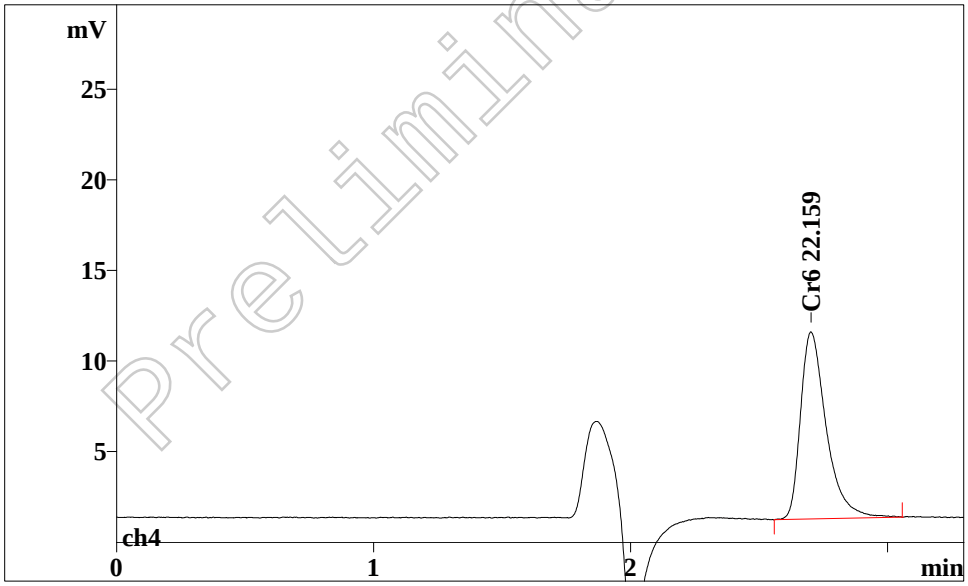
SAMPLE: 100ul loop
:
Vial number: 107
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.102;	10.33;	99.91;	71.989;	100.00;	0.00;	0.00;	34

Report date: 11/27/2009 9:10:16 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 11/3/2009 1:53:48 AM
File: tb030153.chw Last save: 11/27/2009 9:04:15 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20971

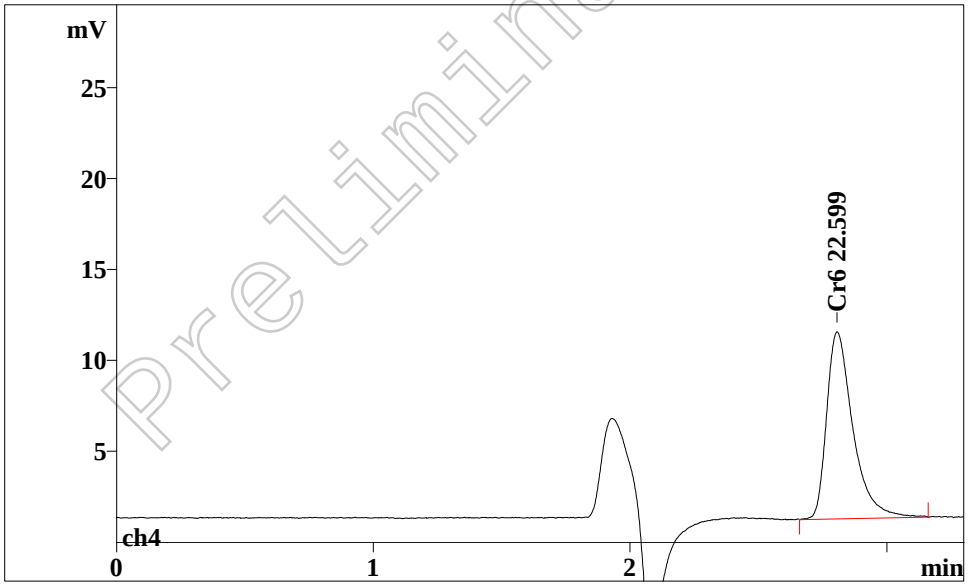
SAMPLE: 100ul loop
:
Vial number: 108
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.81;	0.104;	10.29;	99.92;	73.439;	100.00;	0.00;	0.00;	35

Report date: 11/27/2009 9:10:19 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 11/3/2009 2:01:05 AM
File: tb030201.chw Last save: 11/27/2009 9:04:15 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20972

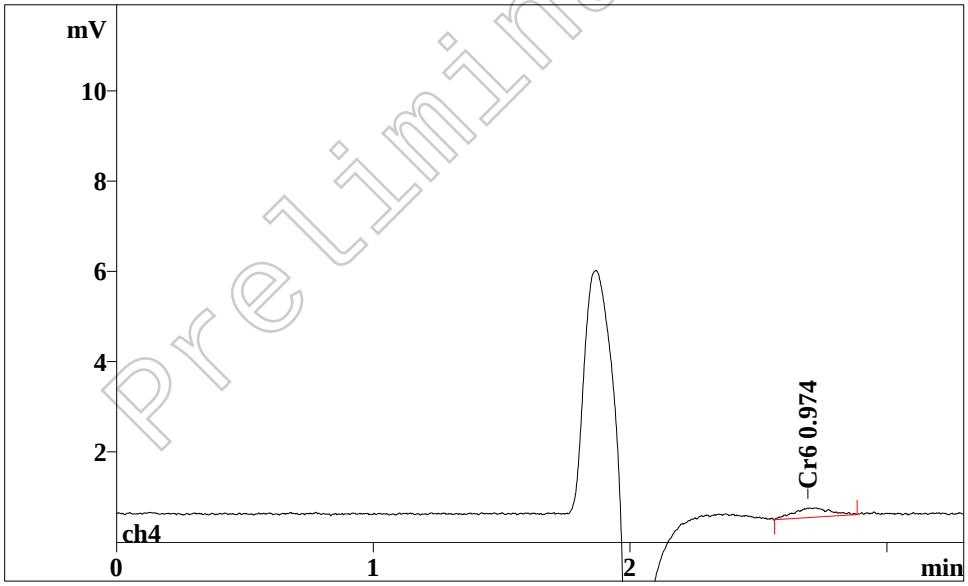
SAMPLE: 100ul loop
:
Vial number: 109
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.164;	0.21;	98.25;	2.124;	100.00;	0.00;	0.00;	16

Report date: 11/27/2009 9:10:23 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20683/3-A@500
Analysis from: 11/3/2009 2:08:22 AM
File: tb030208.chw Last save: 11/27/2009 9:04:15 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20973

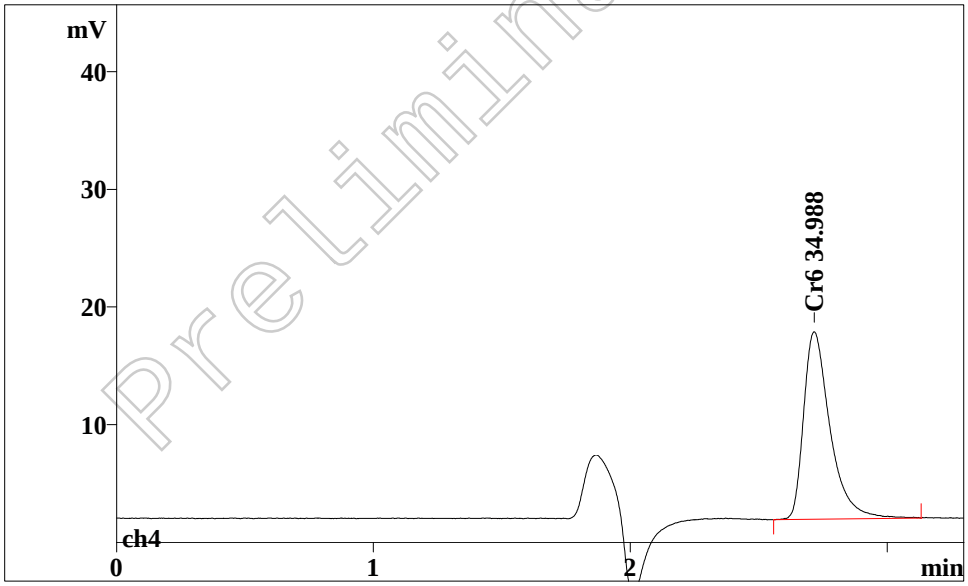
SAMPLE: 100ul loop
:
Vial number: 110
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.105;	15.95;	100.03;	114.297;	100.00;	0.00;	0.00;	32

Report date: 11/27/2009 9:10:26 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20683/3-A@500
Analysis from: 11/3/2009 2:15:38 AM
File: tb030215.chw Last save: 11/27/2009 9:04:15 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20974

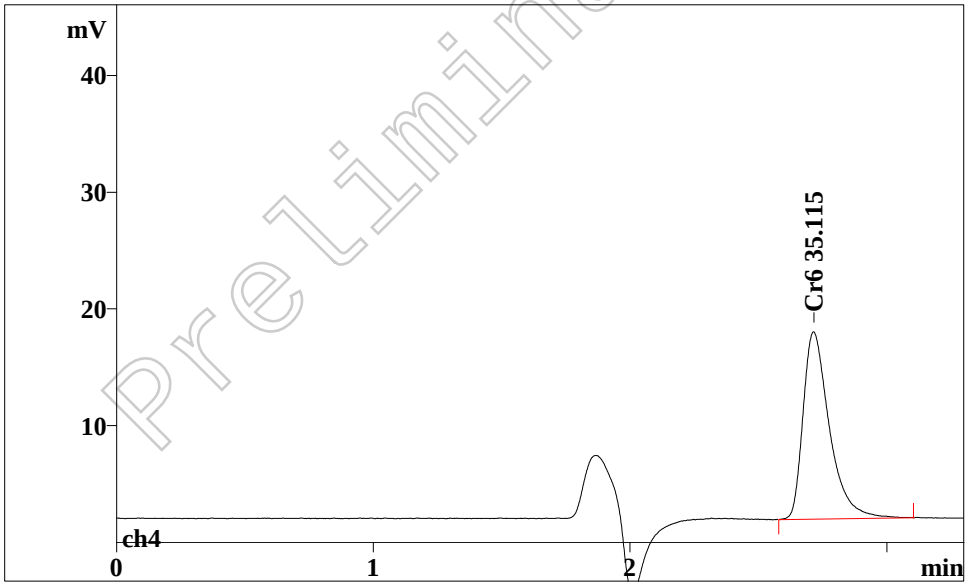
SAMPLE: 100ul loop
:
Vial number: 111
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.105;	16.07;	100.00;	114.714;	100.00;	0.00;	0.00;	32

Report date: 11/27/2009 9:10:30 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-15-A@5
Analysis from: 11/3/2009 2:22:53 AM
File: tb030222.chw Last save: 11/27/2009 9:04:15 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20975

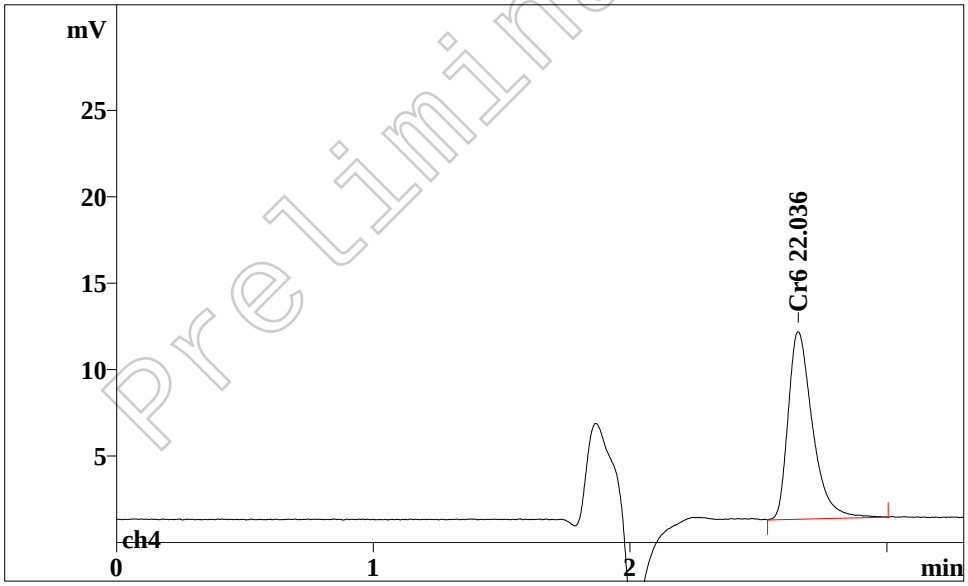
SAMPLE: 100ul loop
:
Vial number: 112
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.65;	0.098;	10.86;	100.08;	71.584;	100.00;	0.00;	0.00;	36

Report date: 11/27/2009 9:10:34 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-15-A@5
Analysis from: 11/3/2009 2:30:06 AM
File: tb030230.chw Last save: 11/27/2009 9:04:16 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20976

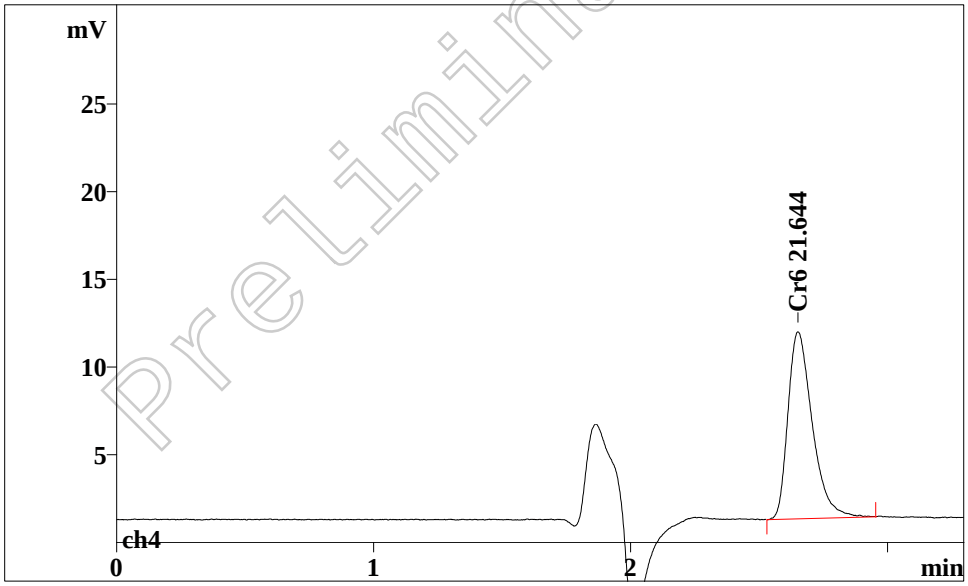
SAMPLE: 100ul loop
:
Vial number: 113
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.65;	0.099;	10.67;	99.97;	70.289;	100.00;	0.00;	0.00;	36

Report date: 11/27/2009 9:10:38 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-15-B DU@5
Analysis from: 11/3/2009 2:37:20 AM
File: tb030237.chw Last save: 11/27/2009 9:04:16 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20977

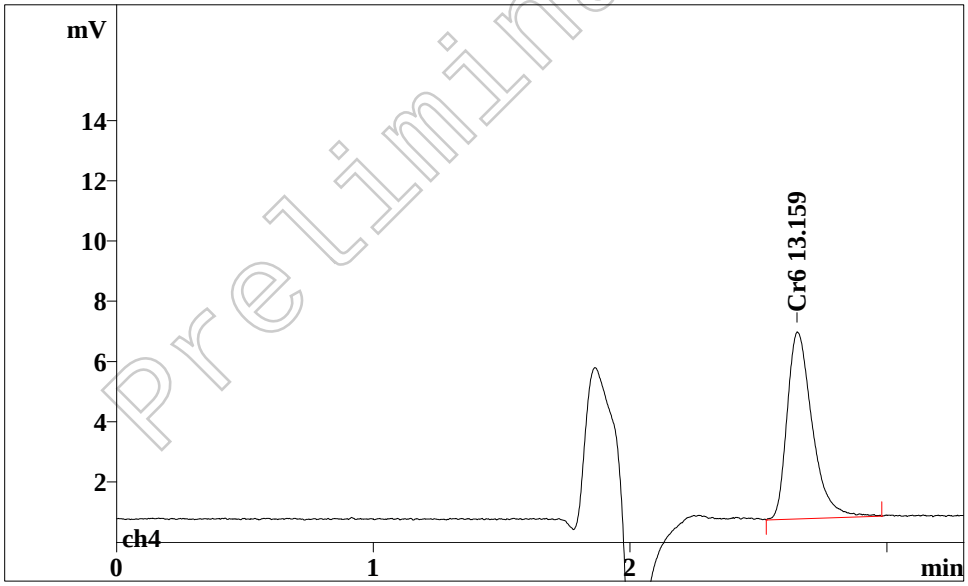
SAMPLE: 100ul loop
:
Vial number: 114
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.65;	0.102;	6.20;	99.84;	42.307;	100.00;	0.00;	0.00;	34

Report date: 11/27/2009 9:10:42 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-15-B DU@5
Analysis from: 11/3/2009 2:44:32 AM
File: tb030244.chw Last save: 11/27/2009 9:04:16 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20978

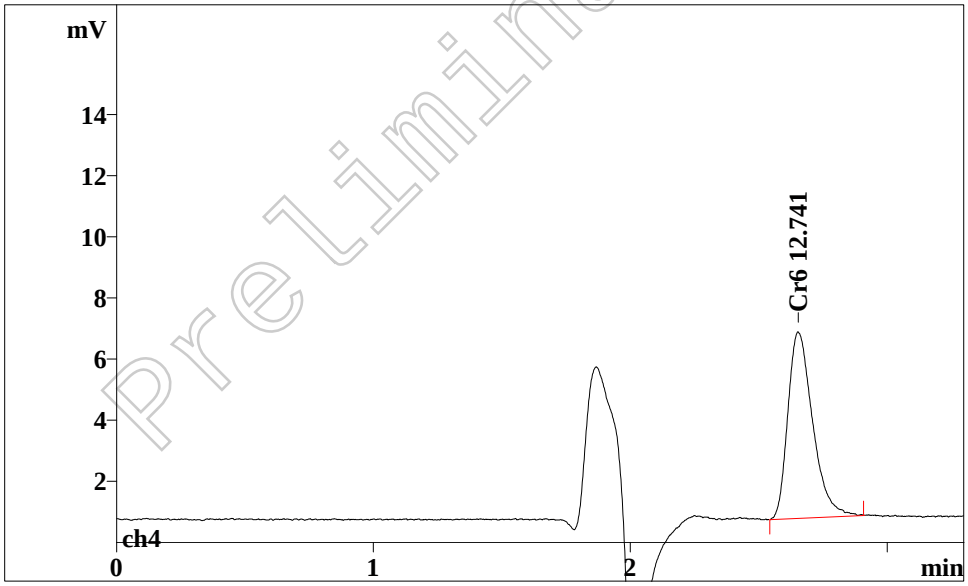
SAMPLE: 100ul loop
:
Vial number: 115
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.65;	0.102;	6.10;	99.87;	40.929;	100.00;	0.00;	0.00;	35

Report date: 11/27/2009 9:10:45 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-15-C MS@40
Analysis from: 11/3/2009 2:51:44 AM
File: tb030251.chw Last save: 11/27/2009 9:04:16 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20979

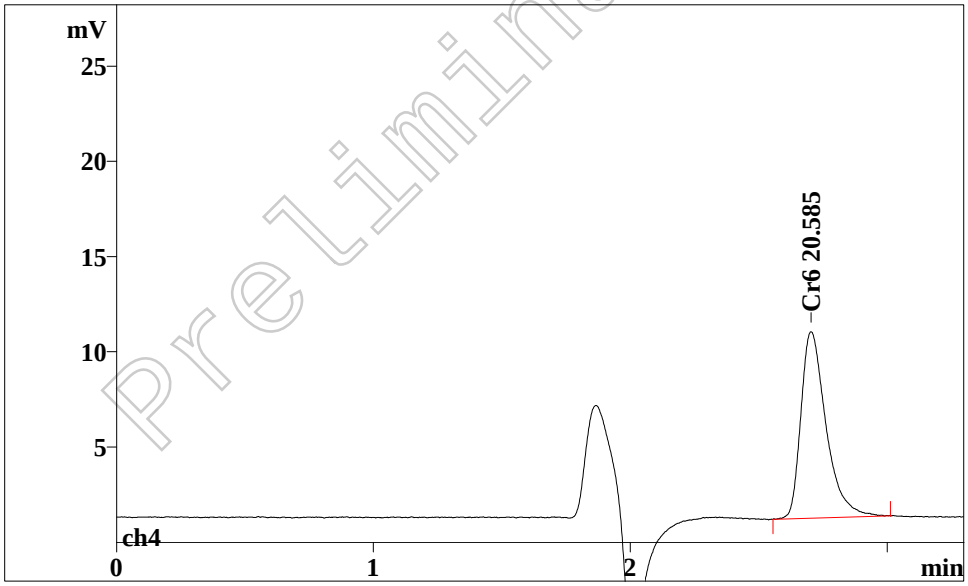
SAMPLE: 100ul loop
:
Vial number: 116
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.101;	9.81;	100.06;	66.796;	100.00;	0.00;	0.00;	35

Report date: 11/27/2009 9:10:48 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-15-C MS@40
Analysis from: 11/3/2009 2:58:55 AM
File: tb030258.chw Last save: 11/27/2009 9:04:16 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20980

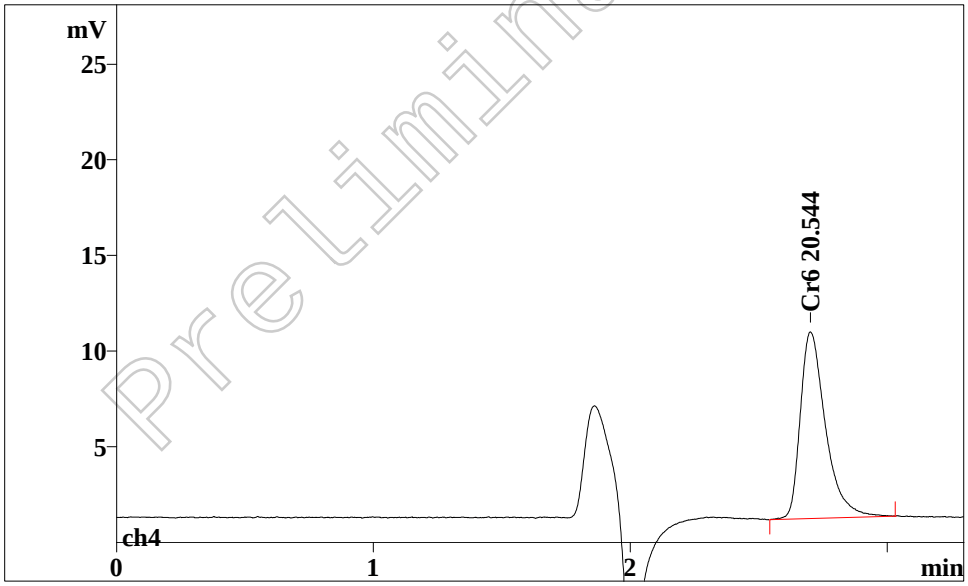
SAMPLE: 100ul loop
:
Vial number: 117
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.101;	9.76;	99.90;	66.663;	100.00;	0.00;	0.00;	35

Report date: 11/27/2009 9:10:52 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-15-D MSI@500
Analysis from: 11/3/2009 3:06:05 AM
File: tb030306.chw Last save: 11/27/2009 9:04:17 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20981

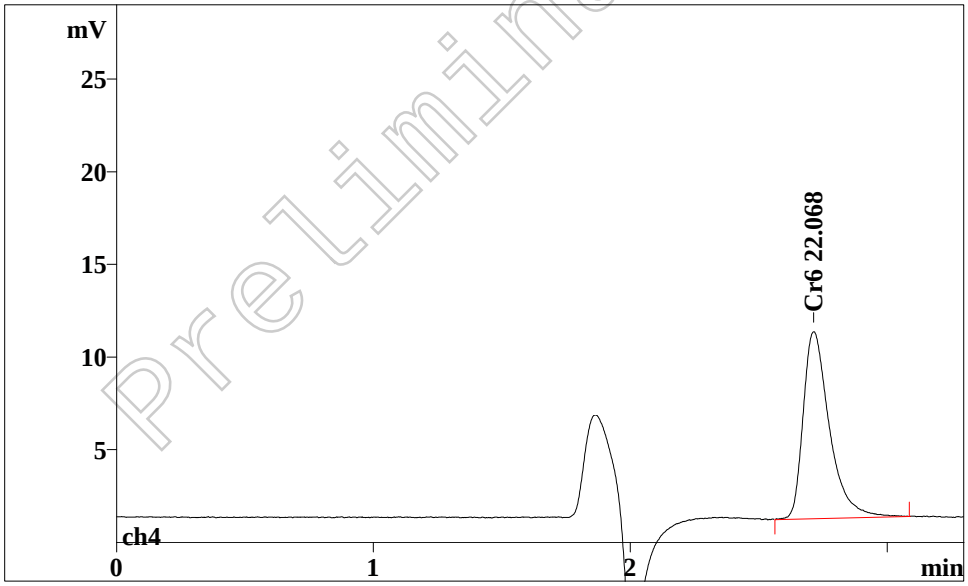
SAMPLE: 100ul loop
:
Vial number: 118
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.104;	10.09;	100.04;	71.688;	100.00;	0.00;	0.00;	33

Report date: 11/27/2009 9:10:56 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-15-D MSI@500
Analysis from: 11/3/2009 3:13:17 AM
File: tb030313.chw Last save: 11/27/2009 9:04:17 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20982

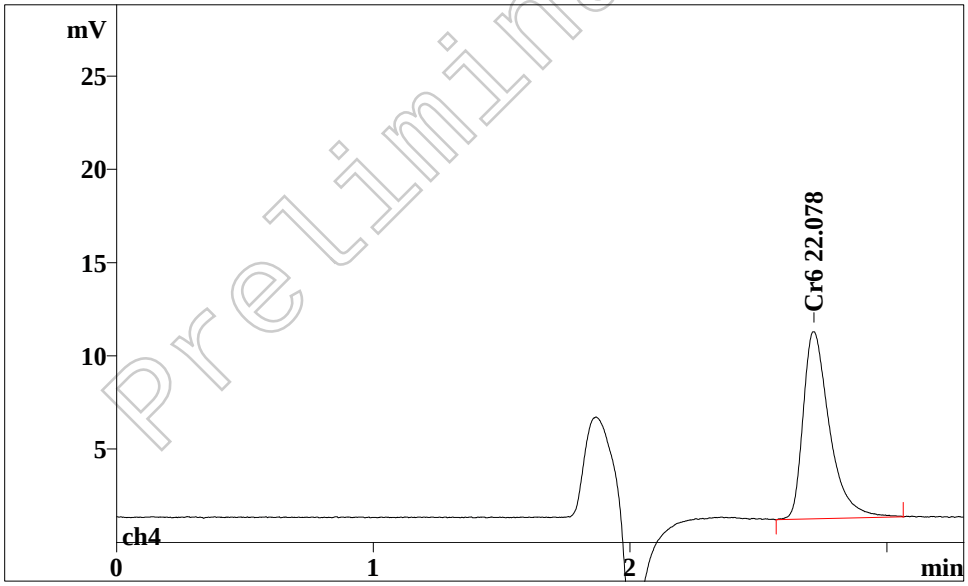
SAMPLE: 100ul loop
:
Vial number: 119
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.105;	10.05;	100.12;	71.721;	100.00;	0.00;	0.00;	32

Report date: 11/27/2009 9:11:00 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 11/3/2009 3:20:27 AM
File: tb030320.chw Last save: 11/27/2009 9:04:17 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20983

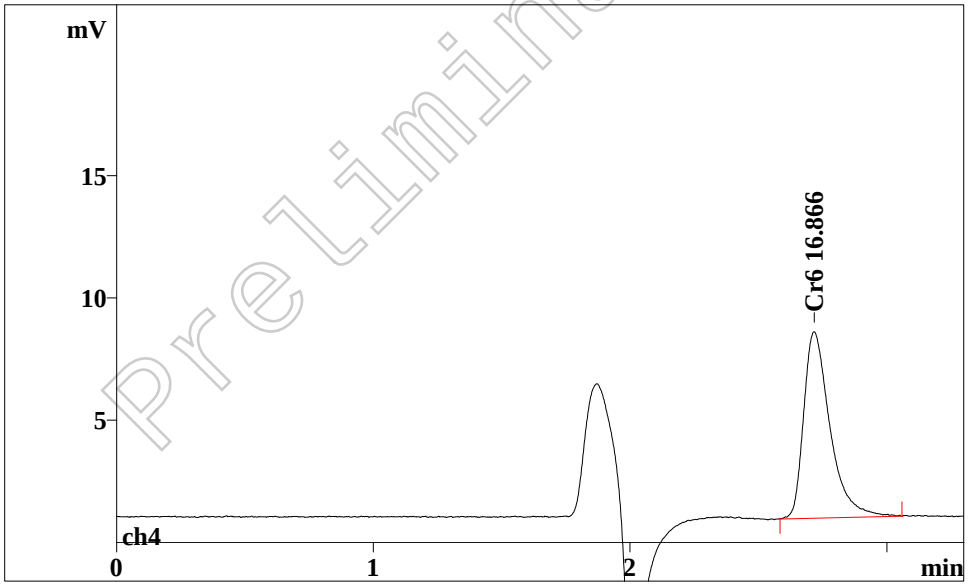
SAMPLE: 100ul loop
:
Vial number: 120
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.105;	7.64;	100.03;	54.533;	100.00;	0.00;	0.00;	32

Report date: 11/27/2009 9:11:05 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 11/3/2009 3:27:38 AM
File: tb030327.chw Last save: 11/27/2009 9:04:17 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20984

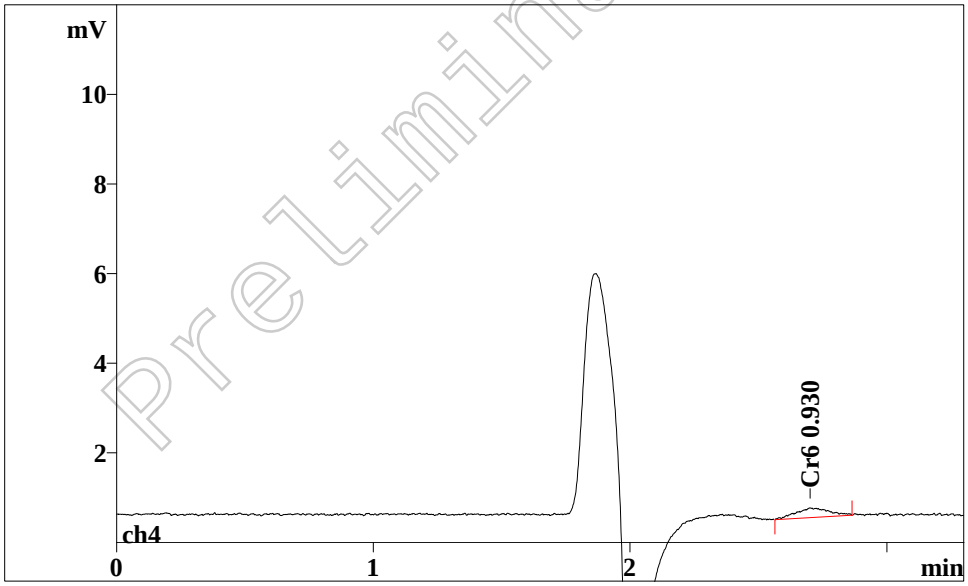
SAMPLE: 100ul loop
:
Vial number: 121
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.153;	0.22;	97.75;	1.980;	100.00;	0.00;	0.00;	20

Report date: 11/27/2009 9:11:09 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-16-A@5
Analysis from: 11/3/2009 3:34:50 AM
File: tb030334.chw Last save: 11/27/2009 9:04:17 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20985

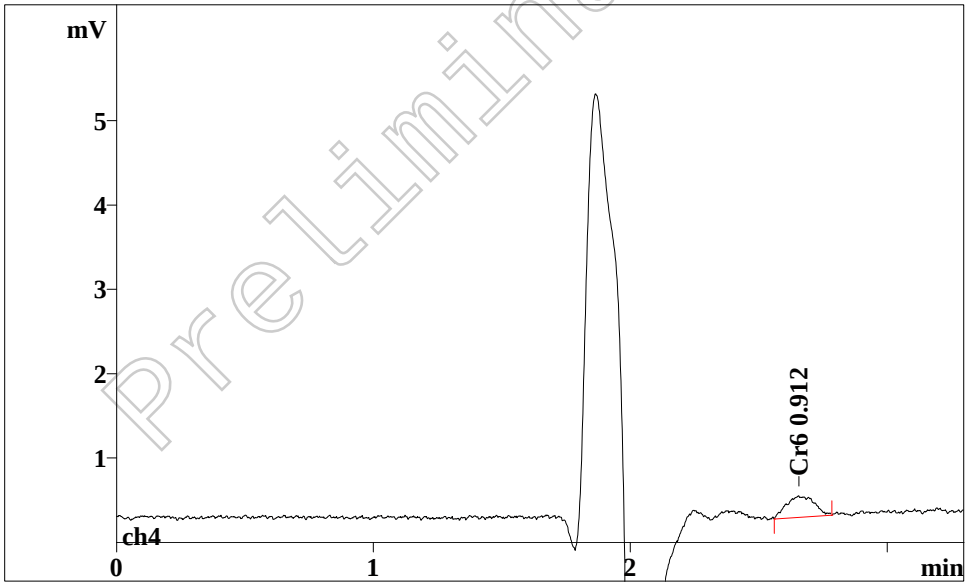
SAMPLE: 100ul loop
:
Vial number: 122
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.65;	0.133;	0.25;	97.41;	1.920;	100.00;	0.00;	0.00;	28

Report date: 11/27/2009 9:11:13 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-16-A@5
Analysis from: 11/3/2009 3:42:03 AM
File: tb030342.chw Last save: 11/27/2009 9:04:17 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20986

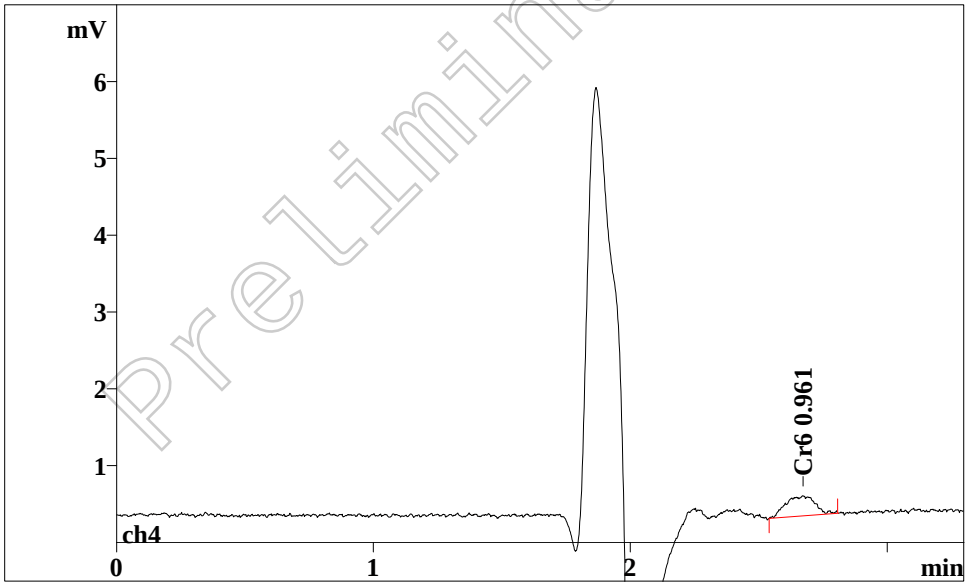
SAMPLE: 100ul loop
:
Vial number: 123
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.67;	0.136;	0.26;	98.53;	2.081;	100.00;	0.00;	0.00;	25

Report date: 11/27/2009 9:11:16 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-15-A PDS@40
Analysis from: 11/3/2009 3:49:17 AM
File: tb030349.chw Last save: 11/27/2009 9:04:18 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20987

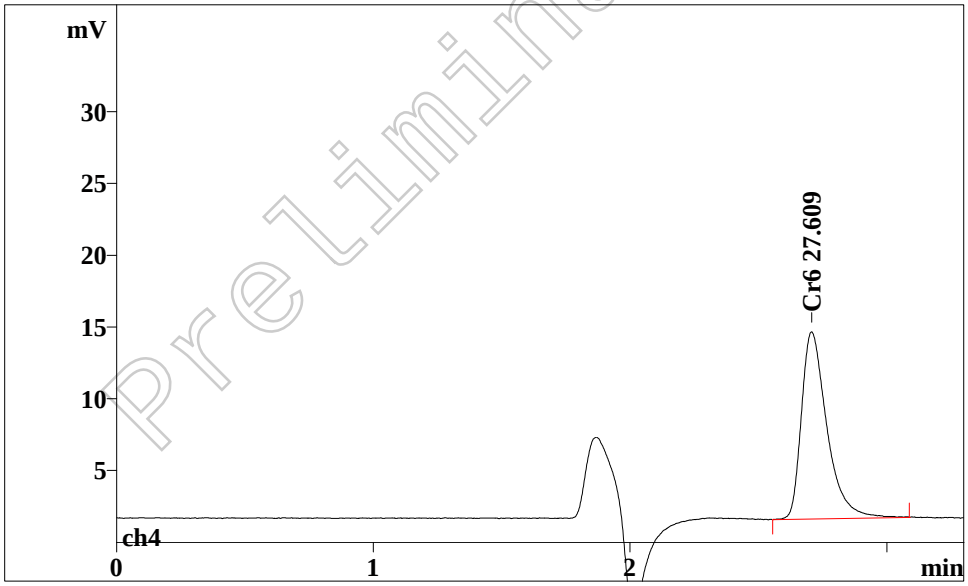
SAMPLE: 100ul loop
:
Vial number: 124
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.102;	13.04;	99.95;	89.962;	100.00;	0.00;	0.00;	34

Report date: 11/27/2009 9:11:19 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-15-A PDS@40
Analysis from: 11/3/2009 3:56:31 AM
File: tb030356.chw Last save: 11/27/2009 9:04:18 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20988

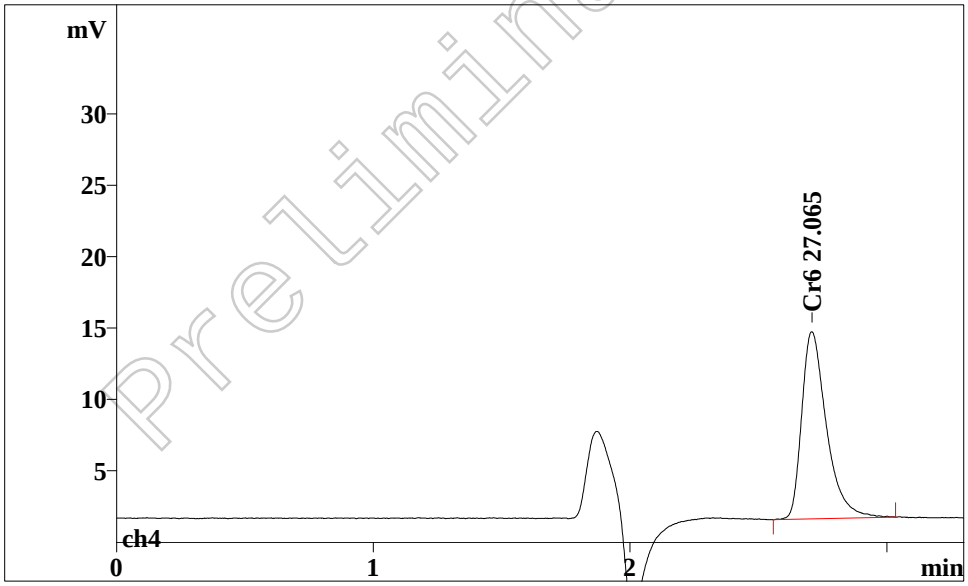
SAMPLE: 100ul loop
:
Vial number: 125
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.099;	13.12;	100.04;	88.166;	100.00;	0.00;	0.00;	36

Report date: 11/27/2009 9:11:24 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20684/1-A@2
Analysis from: 11/3/2009 4:03:47 AM
File: tb030403.chw Last save: 11/27/2009 9:04:18 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20989

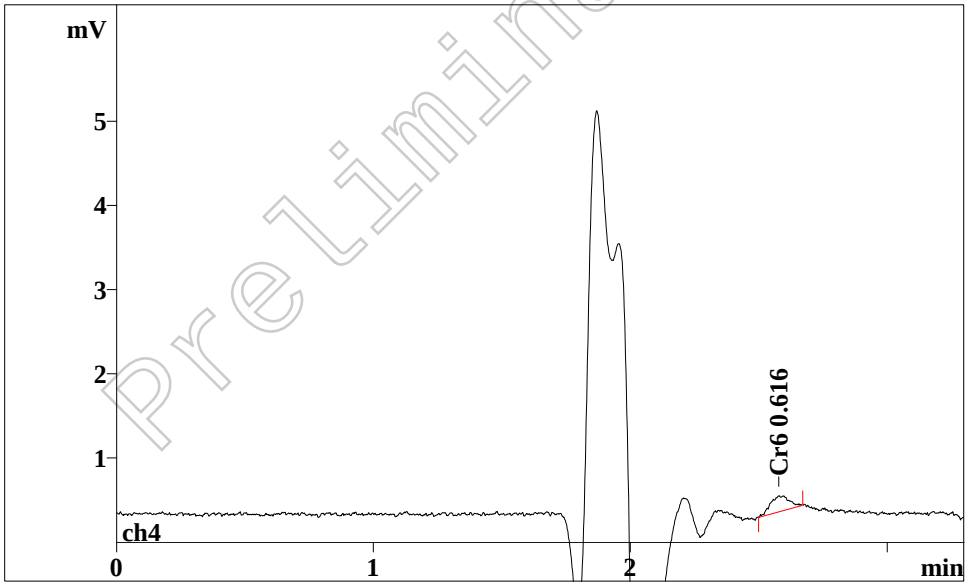
SAMPLE: 100ul loop
:
Vial number: 126
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.58;	0.080;	0.19;	98.86;	0.944;	100.00;	0.00;	0.00;	60

Report date: 11/27/2009 9:11:29 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20684/1-A@2
Analysis from: 11/3/2009 4:11:03 AM
File: tb030411.chw Last save: 11/27/2009 9:04:18 AM

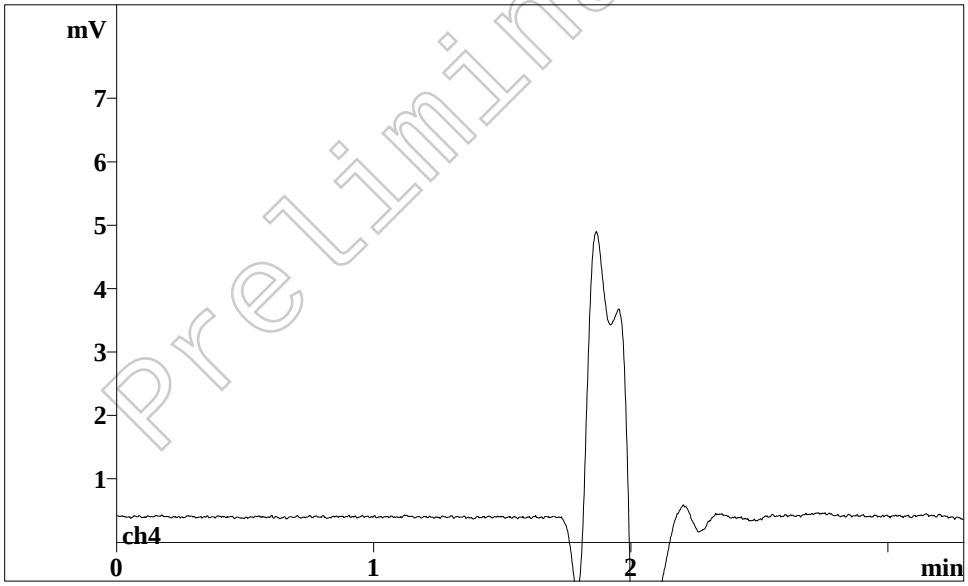
Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20990

SAMPLE: 100ul loop
:
Vial number: 127
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No peaks

Preliminary Data

Report date: 11/27/2009 9:11:33 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20684/2-A@25
Analysis from: 11/3/2009 4:18:20 AM
File: tb030418.chw Last save: 11/27/2009 9:04:18 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20991

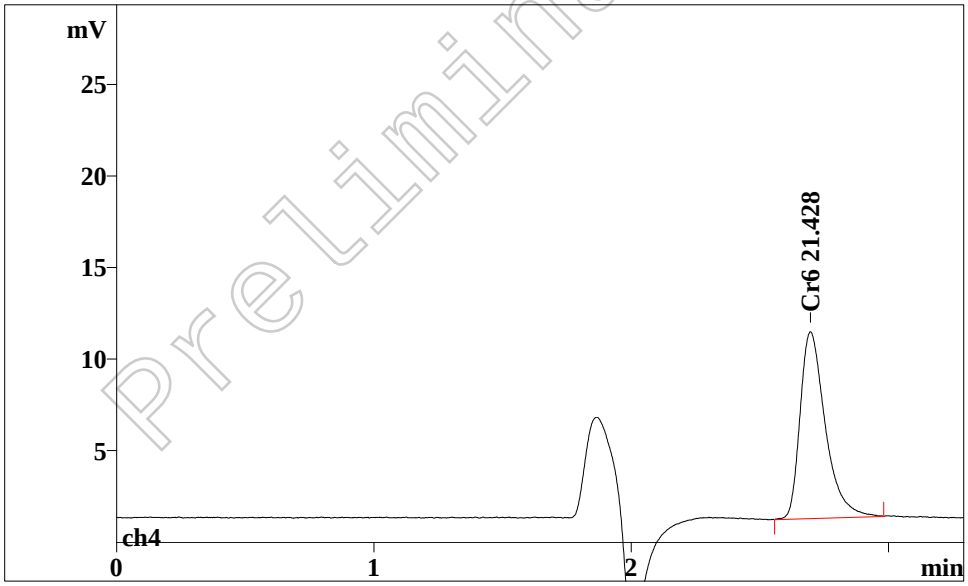
SAMPLE: 100ul loop
:
Vial number: 128
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.101;	10.20;	100.00;	69.576;	100.00;	0.00;	0.00;	35

Report date: 11/27/2009 9:11:37 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20684/2-A@25
Analysis from: 11/3/2009 4:25:39 AM
File: tb030425.chw Last save: 11/27/2009 9:04:18 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20992

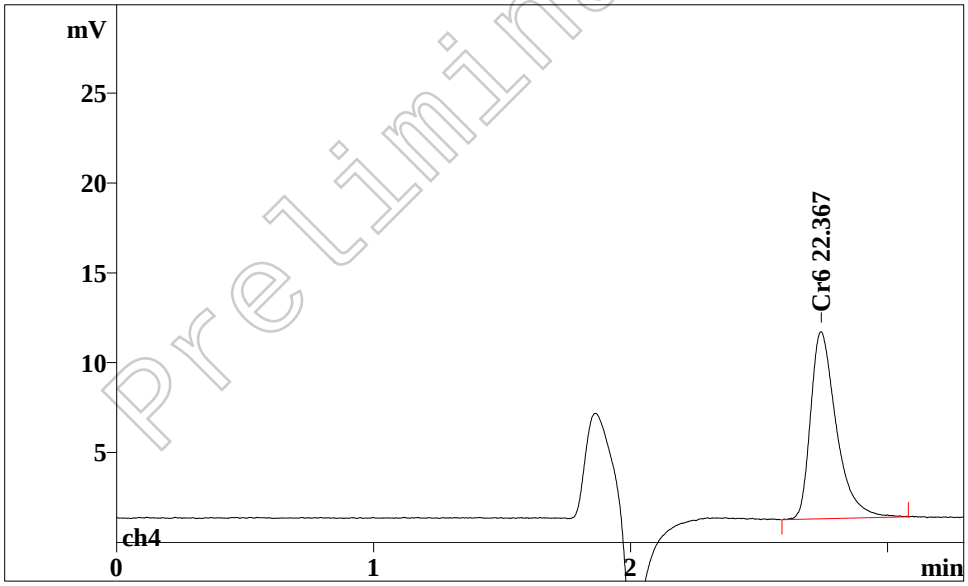
SAMPLE: 100ul loop
:
Vial number: 129
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.103;	10.42;	100.04;	72.675;	100.00;	0.00;	0.00;	34

Report date: 11/27/2009 9:11:40 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20684/3-A@500
Analysis from: 11/3/2009 4:32:58 AM
File: tb030432.chw Last save: 11/27/2009 9:04:19 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20993

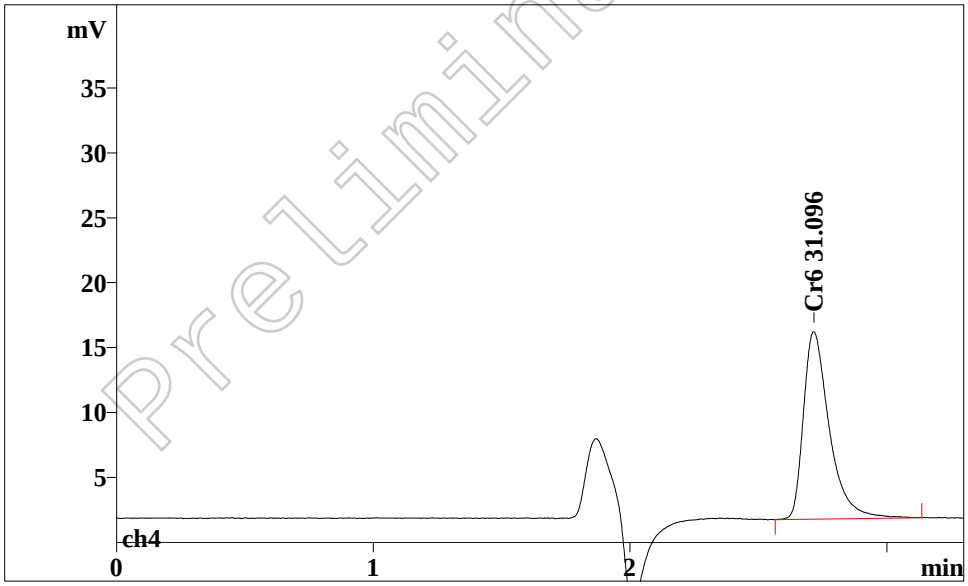
SAMPLE: 100ul loop
:
Vial number: 130
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.103;	14.44;	100.03;	101.459;	100.00;	0.00;	0.00;	33

Report date: 11/27/2009 9:11:43 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20684/3-A@500
Analysis from: 11/3/2009 4:40:19 AM
File: tb030440.chw Last save: 11/27/2009 9:04:19 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20994

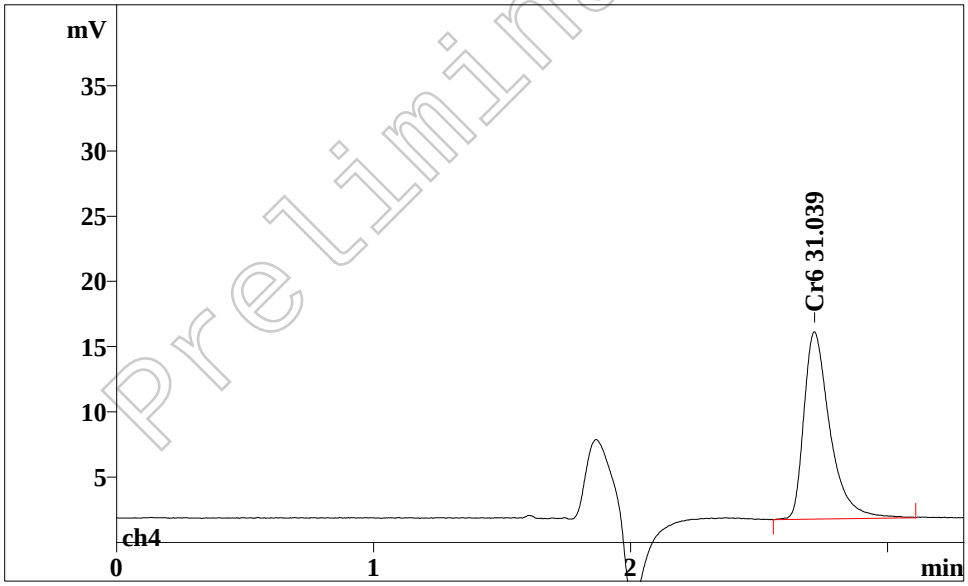
SAMPLE: 100ul loop
:
Vial number: 131
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.103;	14.37;	99.99;	101.273;	100.00;	0.00;	0.00;	33

Report date: 11/27/2009 9:11:46 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 11/3/2009 4:47:39 AM
File: tb030447.chw Last save: 11/27/2009 9:04:19 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20995

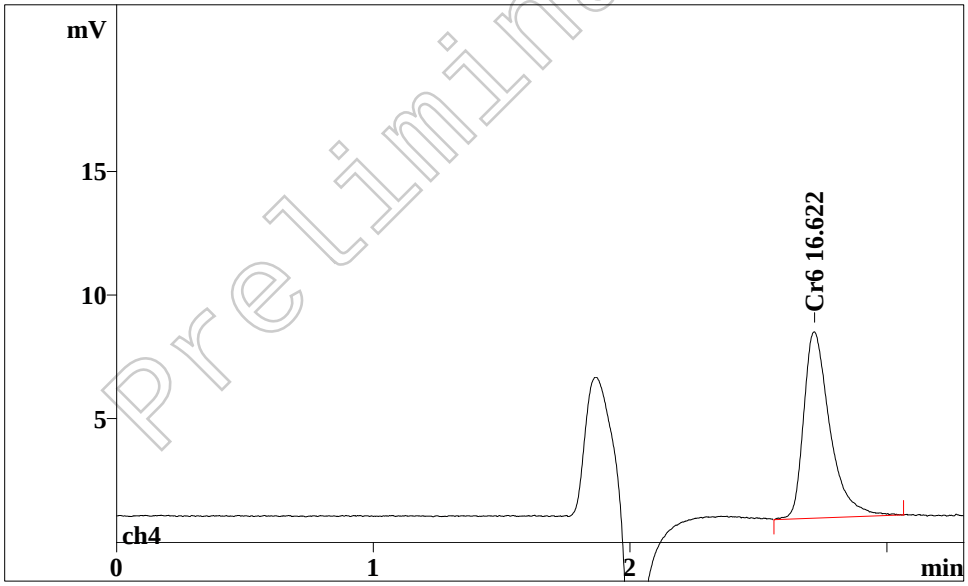
SAMPLE: 100ul loop
:
Vial number: 132
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.103;	7.55;	99.98;	53.727;	100.00;	0.00;	0.00;	32

Report date: 11/27/2009 9:11:50 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 11/3/2009 4:55:00 AM
File: tb030455.chw Last save: 11/27/2009 9:04:19 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20996

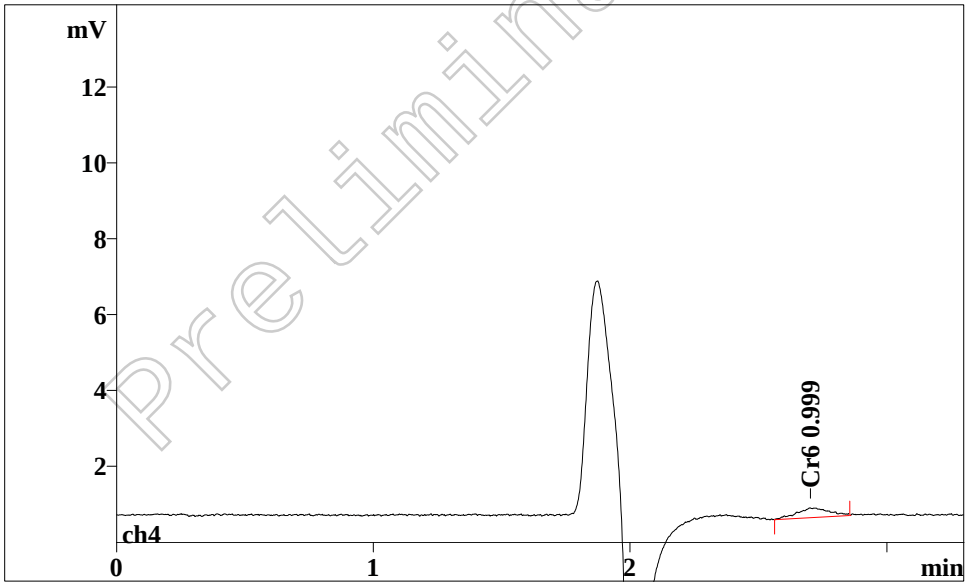
SAMPLE: 100ul loop
:
Vial number: 133
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.3 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.138;	0.25;	96.55;	2.207;	100.00;	0.00;	0.00;	22

Report date: 11/27/2009 9:11:53 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-17-A@5
Analysis from: 11/3/2009 5:02:20 AM
File: tb030502.chw Last save: 11/27/2009 9:04:19 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20997

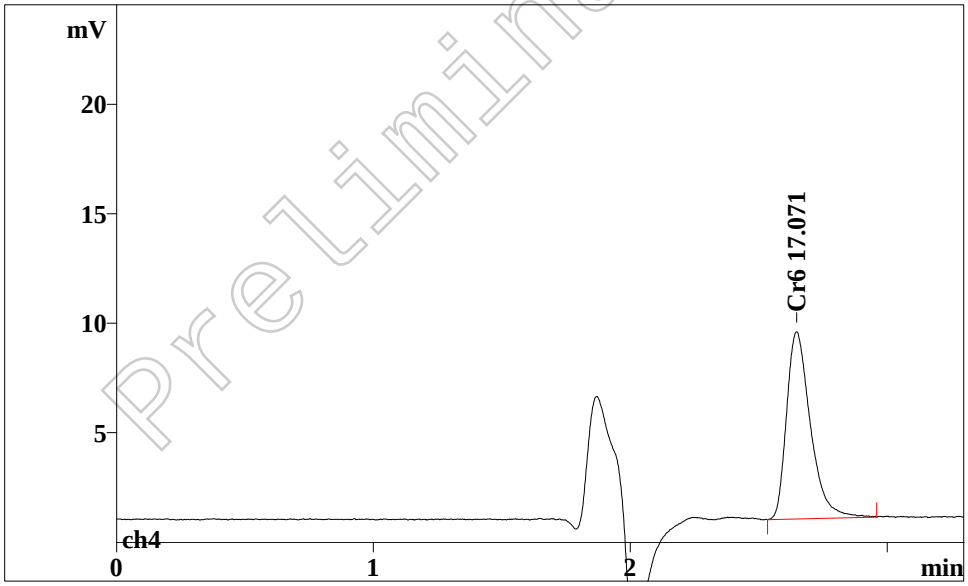
SAMPLE: 100ul loop
:
Vial number: 134
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.65;	0.097;	8.55;	100.03;	55.209;	100.00;	0.00;	0.00;	38

Report date: 11/27/2009 9:11:56 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-17-A@5
Analysis from: 11/3/2009 5:09:41 AM
File: tb030509.chw Last save: 11/27/2009 9:04:19 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20998

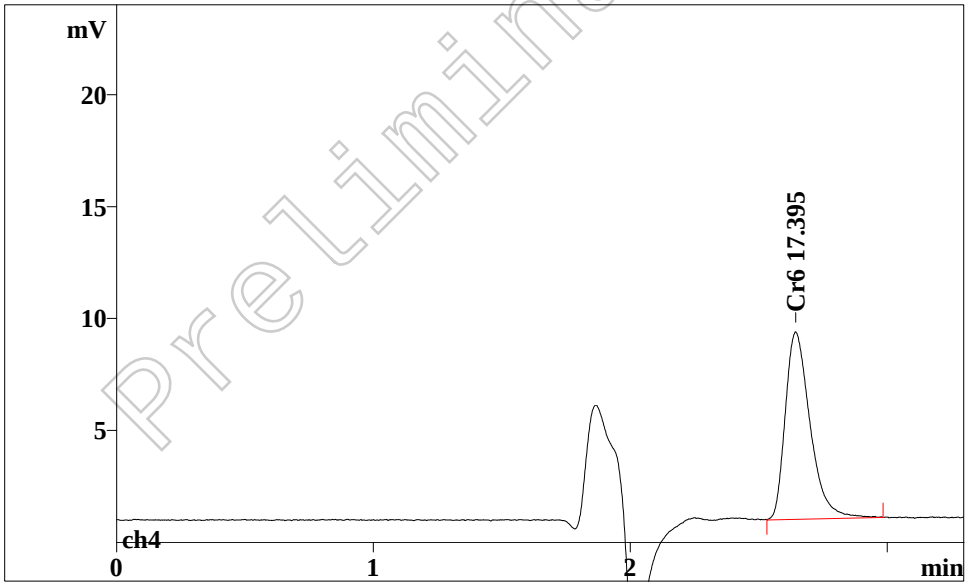
SAMPLE: 100ul loop
:
Vial number: 135
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.64;	0.101;	8.37;	99.87;	56.278;	100.00;	0.00;	0.00;	35

Report date: 11/27/2009 9:12:00 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-17-B DU@5
Analysis from: 11/3/2009 5:17:01 AM
File: tb030517.chw Last save: 11/27/2009 9:04:19 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20999

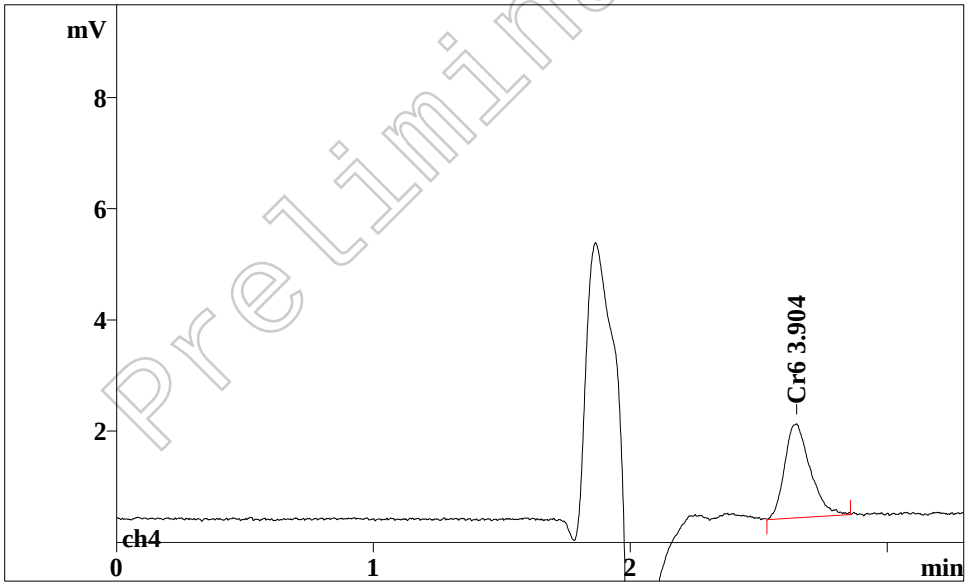
SAMPLE: 100ul loop
:
Vial number: 136
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.64;	0.106;	1.69;	99.47;	11.788;	100.00;	0.00;	0.00;	32

Report date: 11/27/2009 9:12:04 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-17-B DU@5
Analysis from: 11/3/2009 5:24:21 AM
File: tb030524.chw Last save: 11/27/2009 9:04:20 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 21000

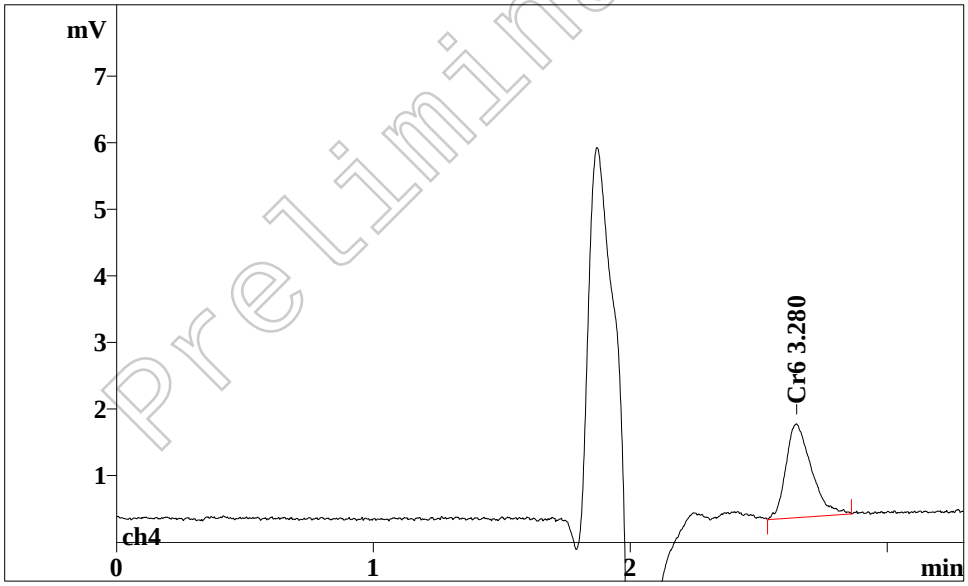
SAMPLE: 100ul loop
:
Vial number: 137
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.3 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.65;	0.104;	1.41;	99.76;	9.728;	100.00;	0.00;	0.00;	33

Report date: 11/27/2009 9:12:07 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-17-C MS@40
Analysis from: 11/3/2009 5:31:41 AM
File: tb030531.chw Last save: 11/27/2009 9:04:20 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 21001

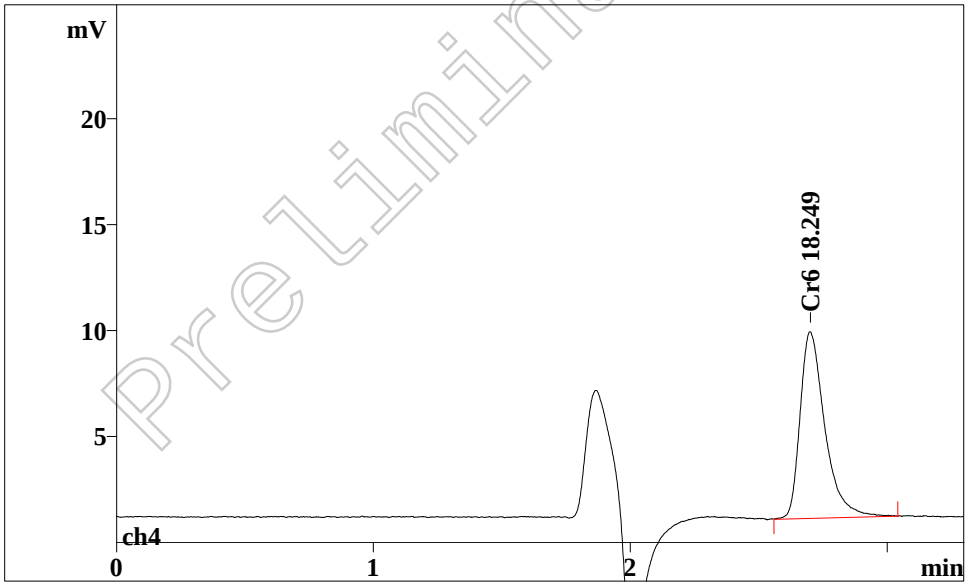
SAMPLE: 100ul loop
:
Vial number: 138
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.098;	8.81;	99.98;	59.094;	100.00;	0.00;	0.00;	36

Report date: 11/27/2009 9:12:11 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-17-C MS@40
Analysis from: 11/3/2009 5:39:00 AM
File: tb030539.chw Last save: 11/27/2009 9:04:20 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 21002

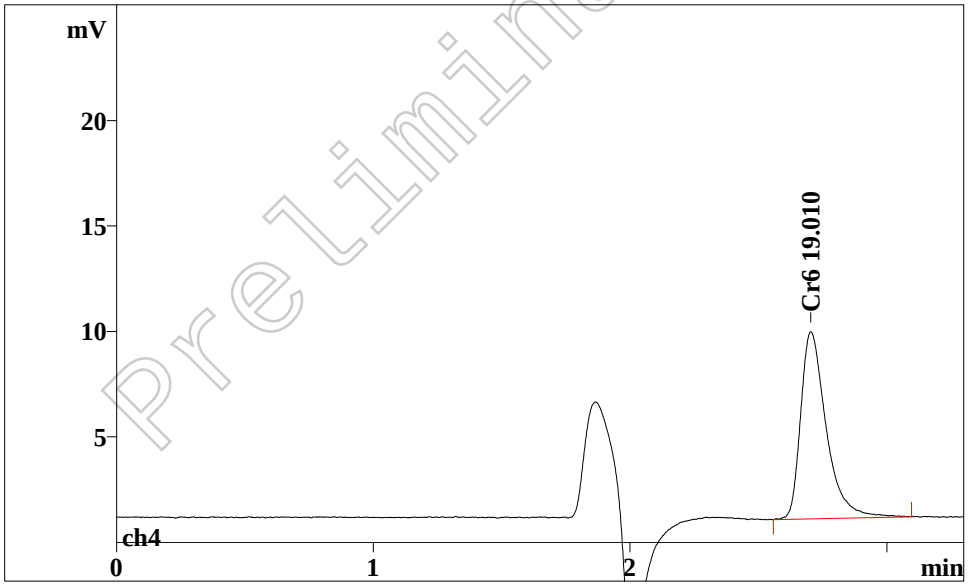
SAMPLE: 100ul loop
:
Vial number: 139
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.101;	8.88;	100.05;	61.603;	100.00;	0.00;	0.00;	34

Report date: 11/27/2009 9:12:14 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-17-D MSI@500
Analysis from: 11/3/2009 5:46:18 AM
File: tb030546.chw Last save: 11/27/2009 9:04:20 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 21003

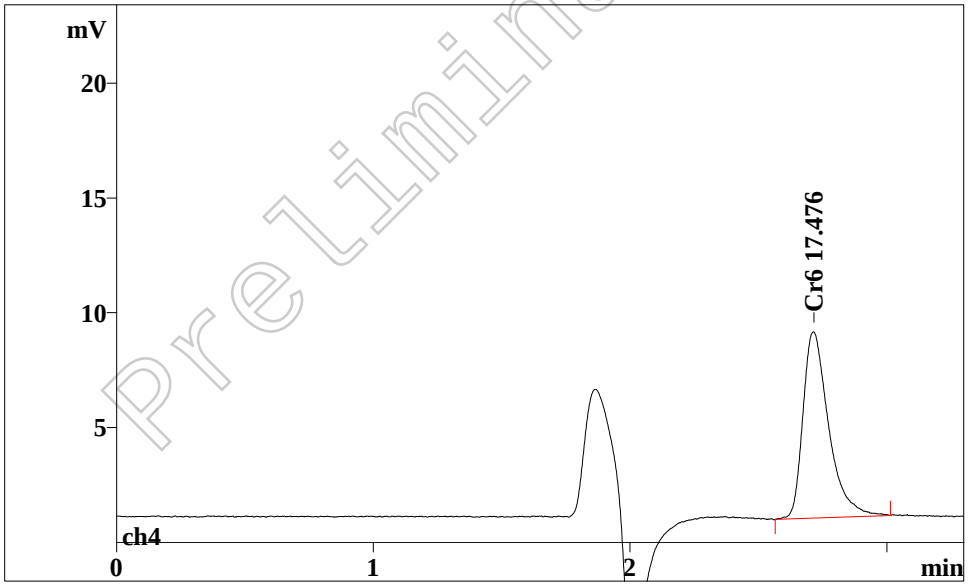
SAMPLE: 100ul loop
:
Vial number: 140
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.103;	8.12;	99.98;	56.545;	100.00;	0.00;	0.00;	34

Report date: 11/27/2009 9:12:18 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-17-D MSI@500
Analysis from: 11/3/2009 5:53:35 AM
File: tb030553.chw Last save: 11/27/2009 9:04:20 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 21004

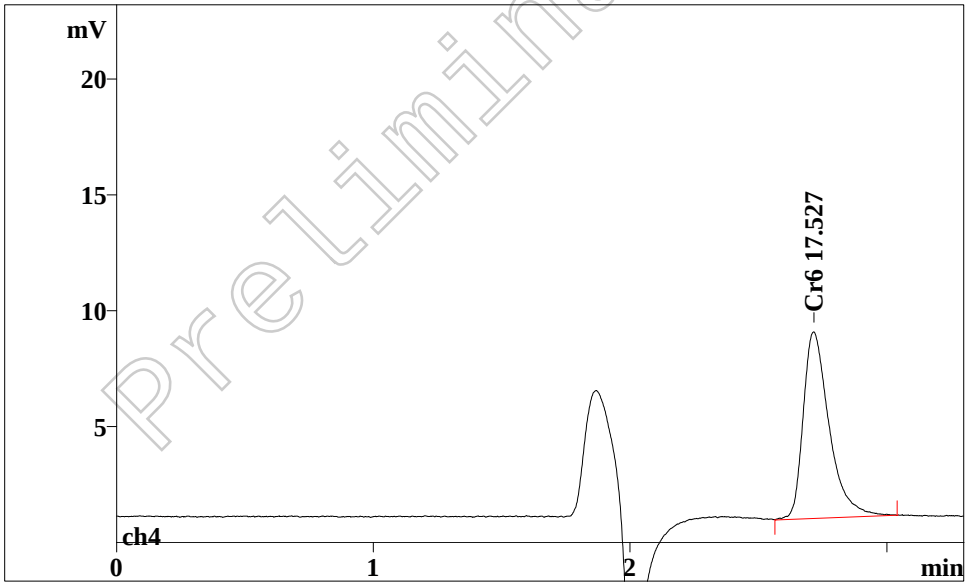
SAMPLE: 100ul loop
:
Vial number: 141
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.104;	8.06;	99.94;	56.713;	100.00;	0.00;	0.00;	33

Report date: 11/27/2009 9:12:21 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-17-A PDS@40
Analysis from: 11/3/2009 6:00:51 AM
File: tb030600.chw Last save: 11/27/2009 9:04:20 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 21005

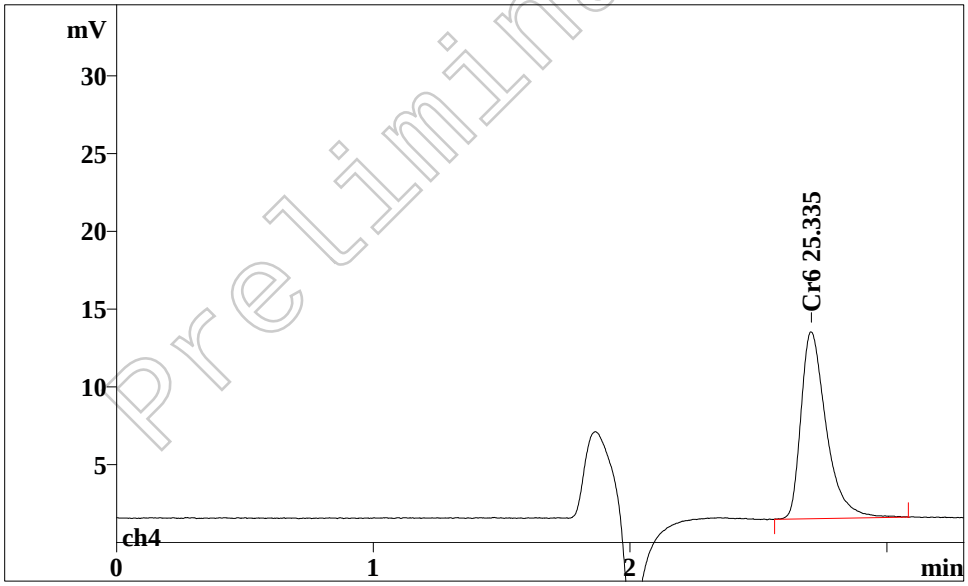
SAMPLE: 100ul loop
:
Vial number: 142
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.101;	12.03;	100.02;	82.462;	100.00;	0.00;	0.00;	35

Report date: 11/27/2009 9:12:24 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-17-A PDS@40
Analysis from: 11/3/2009 6:08:06 AM
File: tb030608.chw Last save: 11/27/2009 9:04:20 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 21006

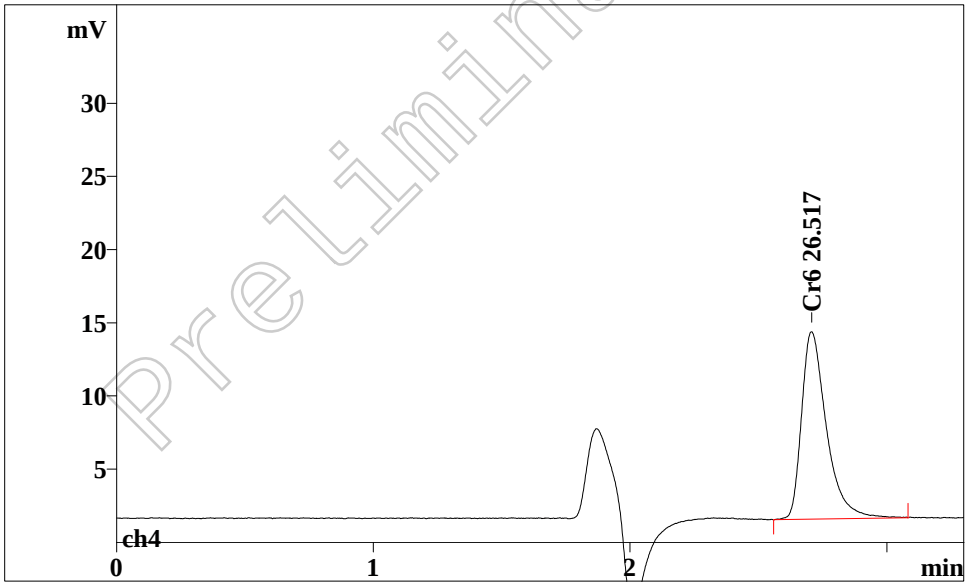
SAMPLE: 100ul loop
:
Vial number: 143
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.099;	12.81;	100.02;	86.361;	100.00;	0.00;	0.00;	36

Report date: 11/27/2009 9:12:28 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 11/3/2009 6:15:20 AM
File: tb030615.chw Last save: 11/27/2009 9:04:21 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 21007

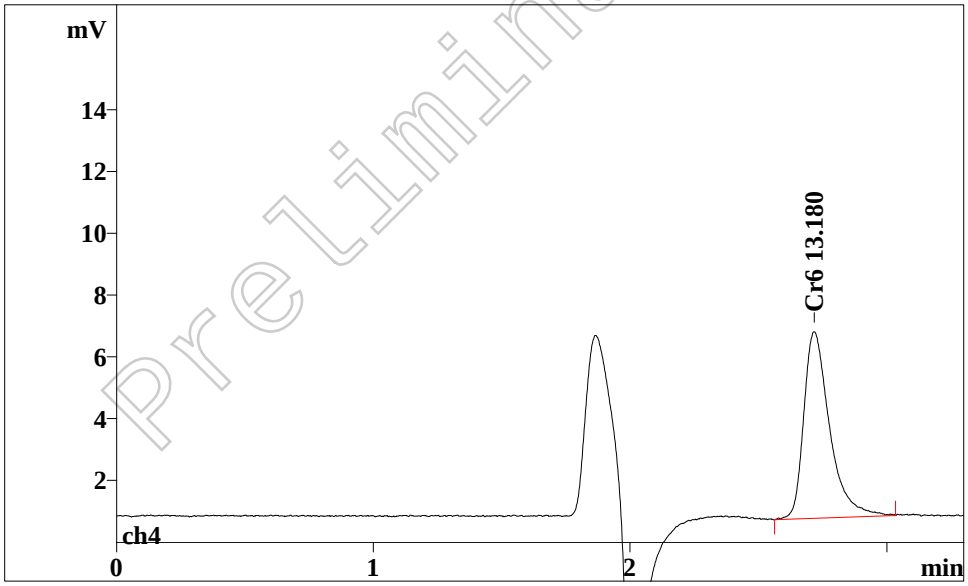
SAMPLE: 100ul loop
:
Vial number: 144
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.102;	6.04;	100.07;	42.377;	100.00;	0.00;	0.00;	33

Report date: 11/27/2009 9:12:32 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 11/3/2009 6:22:34 AM
File: tb030622.chw Last save: 11/27/2009 9:04:21 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 21008

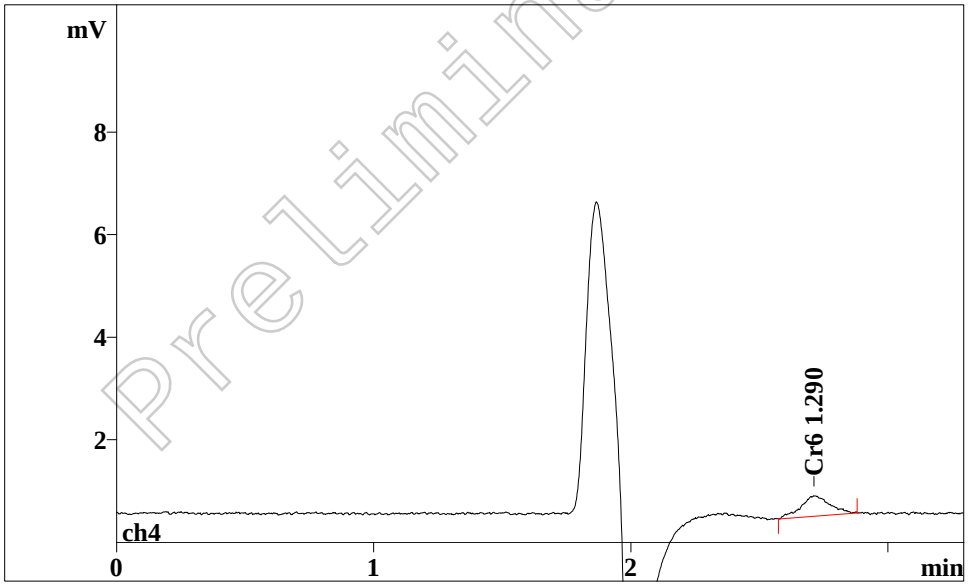
SAMPLE: 100ul loop
:
Vial number: 145
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.114;	0.40;	99.24;	3.167;	100.00;	0.00;	0.00;	26

Report date: 11/27/2009 9:12:35 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-2-A PDS@40
Analysis from: 11/3/2009 6:29:46 AM
File: tb030629.chw Last save: 11/27/2009 9:04:21 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 21009

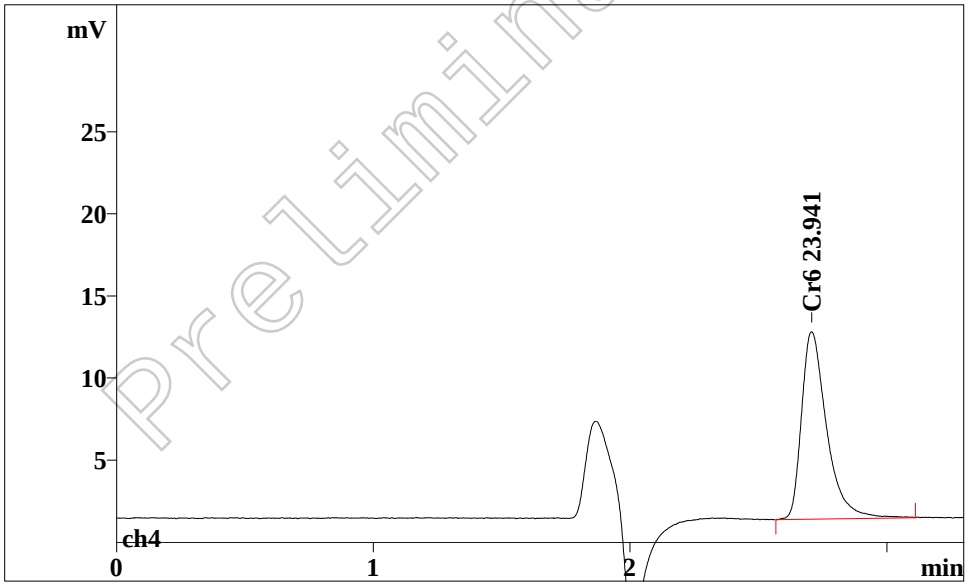
SAMPLE: 100ul loop
:
Vial number: 146
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.100;	11.42;	100.00;	77.865;	100.00;	0.00;	0.00;	35

Report date: 11/27/2009 9:12:39 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-2-A PDS@40
Analysis from: 11/3/2009 6:36:58 AM
File: tb030636.chw Last save: 11/27/2009 9:04:21 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 21010

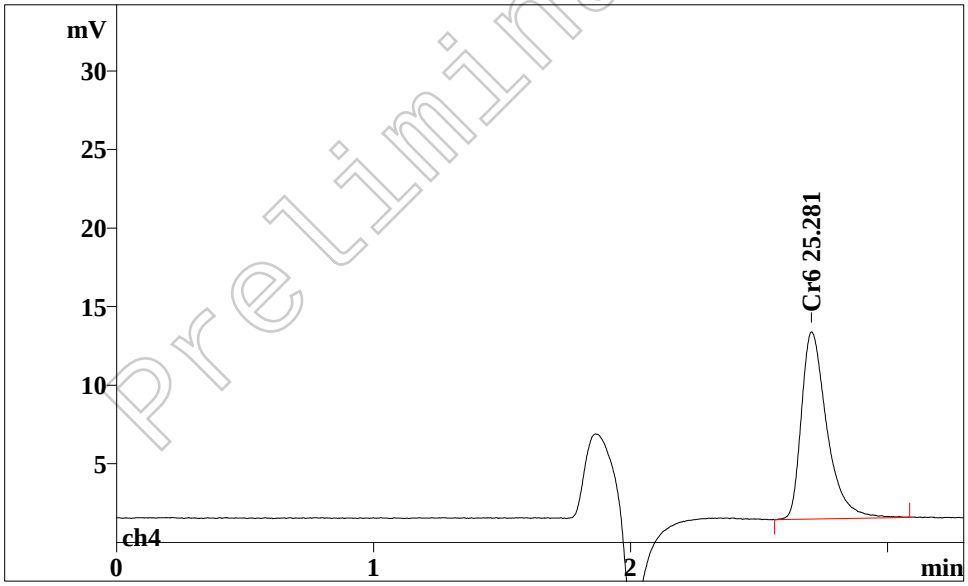
SAMPLE: 100ul loop
:
Vial number: 147
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.101;	11.92;	99.93;	82.284;	100.00;	0.00;	0.00;	34

Report date: 11/27/2009 9:12:43 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20678/1-A@2
Analysis from: 11/3/2009 6:44:08 AM
File: tb030644.chw Last save: 11/27/2009 9:04:21 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 21011

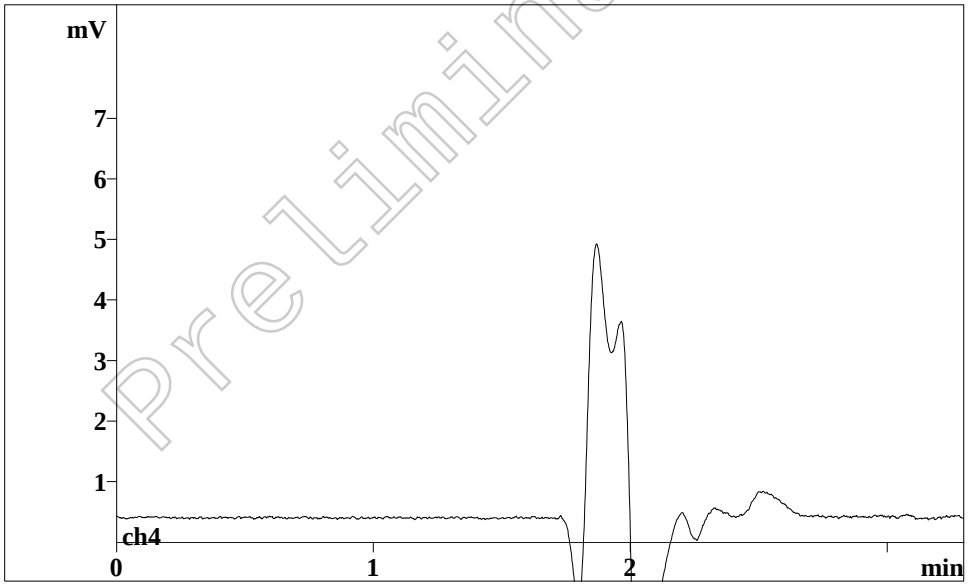
SAMPLE: 100ul loop
:
Vial number: 148
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No peaks

Report date: 11/27/2009 9:12:47 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20678/1-A@2
Analysis from: 11/3/2009 6:51:21 AM
File: tb030651.chw Last save: 11/27/2009 9:04:22 AM

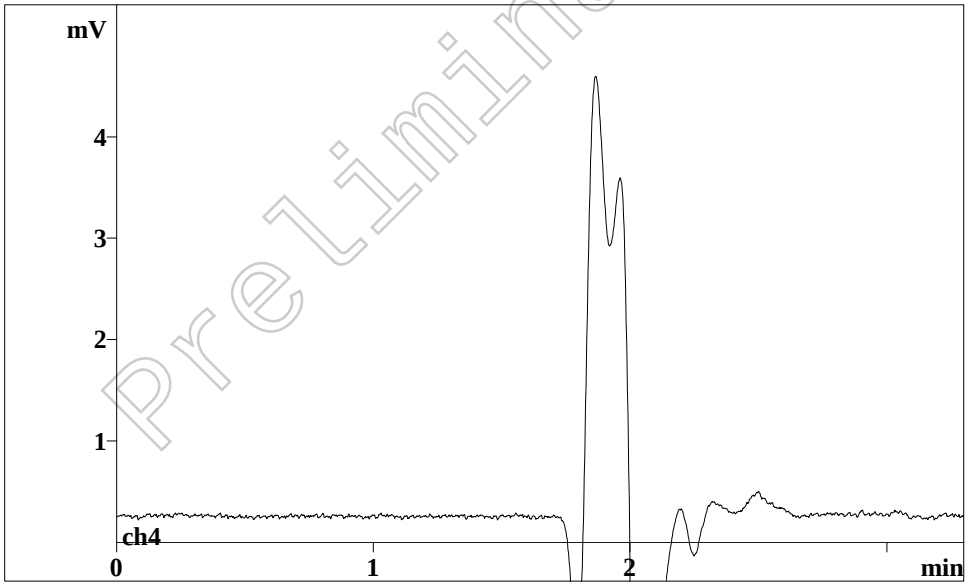
Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 21012

SAMPLE: 100ul loop
:
Vial number: 1
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa



No peaks

Preliminary Data

Report date: 11/27/2009 9:12:51 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20678/2-A@25
Analysis from: 11/3/2009 6:58:31 AM
File: tb030658.chw Last save: 11/27/2009 9:04:22 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 21013

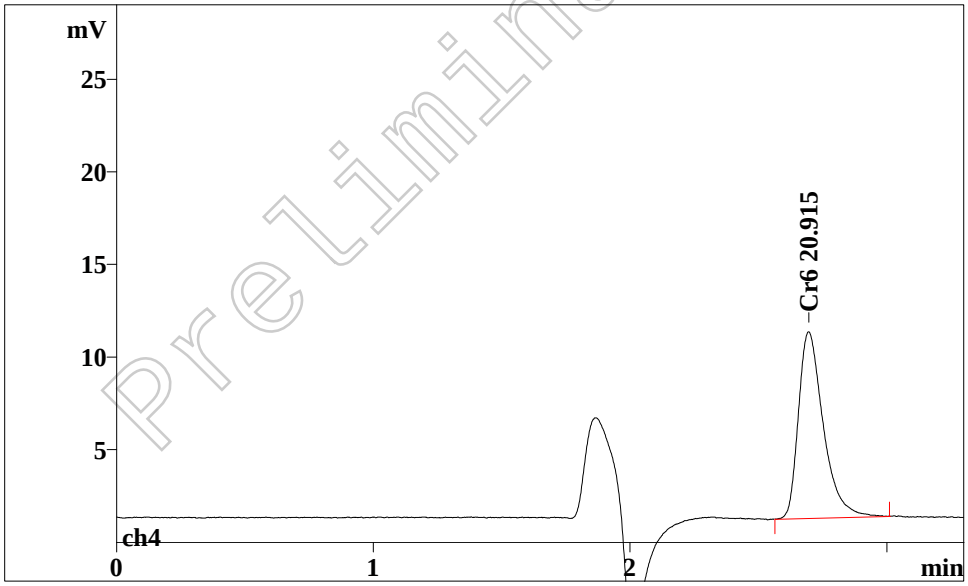
SAMPLE: 100ul loop
:
Vial number: 2
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.100;	10.08;	100.00;	67.886;	100.00;	0.00;	0.00;	36

Report date: 11/27/2009 9:12:54 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20678/2-A@25
Analysis from: 11/3/2009 7:05:42 AM
File: tb030705.chw Last save: 11/27/2009 9:04:22 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 21014

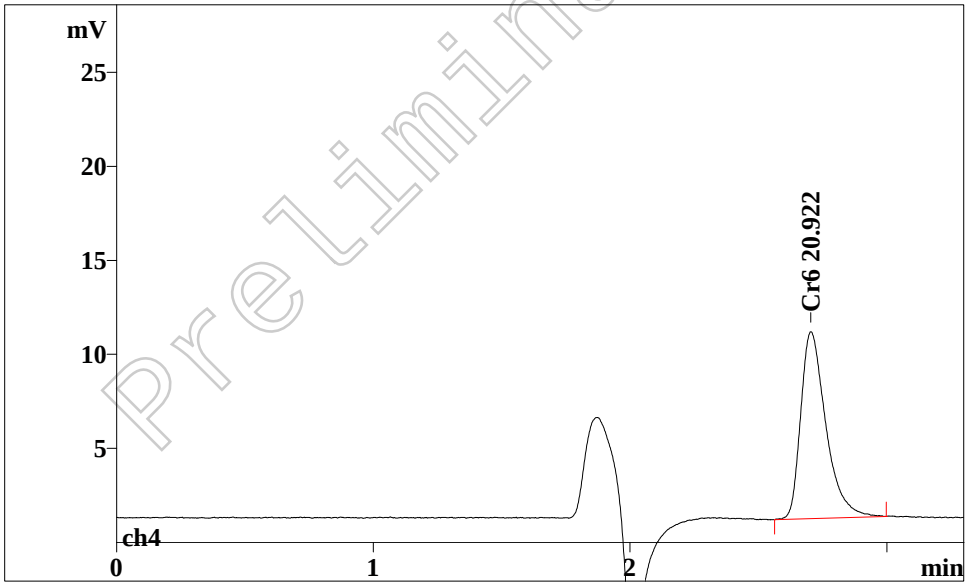
SAMPLE: 100ul loop
:
Vial number: 3
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.102;	9.95;	100.00;	67.910;	100.00;	0.00;	0.00;	35

Report date: 11/27/2009 9:12:58 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20678/3-A@500
Analysis from: 11/3/2009 7:12:54 AM
File: tb030712.chw Last save: 11/27/2009 9:04:22 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 21015

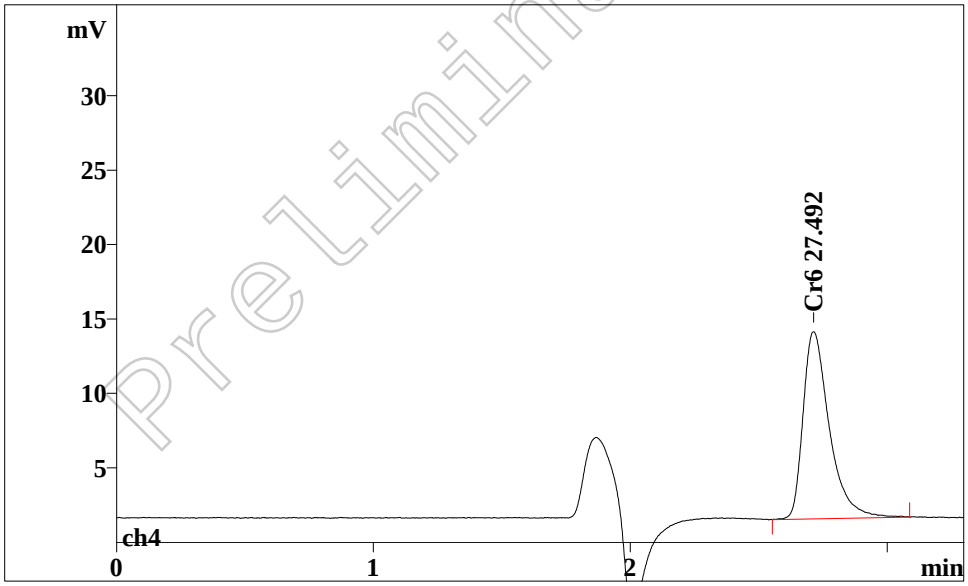
SAMPLE: 100ul loop
:
Vial number: 4
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.104;	12.58;	100.03;	89.576;	100.00;	0.00;	0.00;	32

Report date: 11/27/2009 9:13:01 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20678/3-A@500
Analysis from: 11/3/2009 7:20:07 AM
File: tb030720.chw Last save: 11/27/2009 9:04:22 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 21016

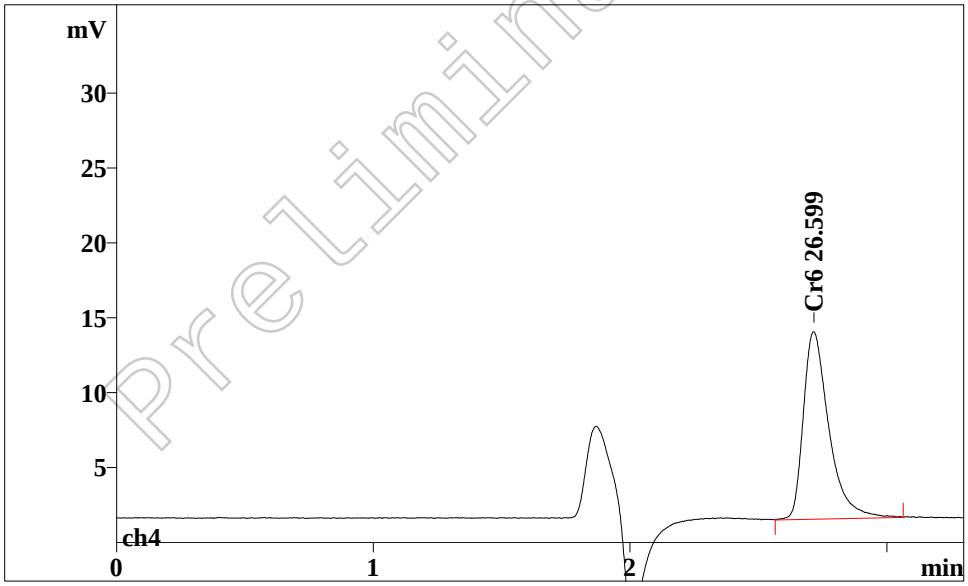
SAMPLE: 100ul loop
:
Vial number: 5
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.101;	12.52;	100.03;	86.630;	100.00;	0.00;	0.00;	34

Report date: 11/27/2009 9:13:05 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-5-A@5
Analysis from: 11/3/2009 7:27:19 AM
File: tb030727.chw Last save: 11/27/2009 9:04:23 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 21017

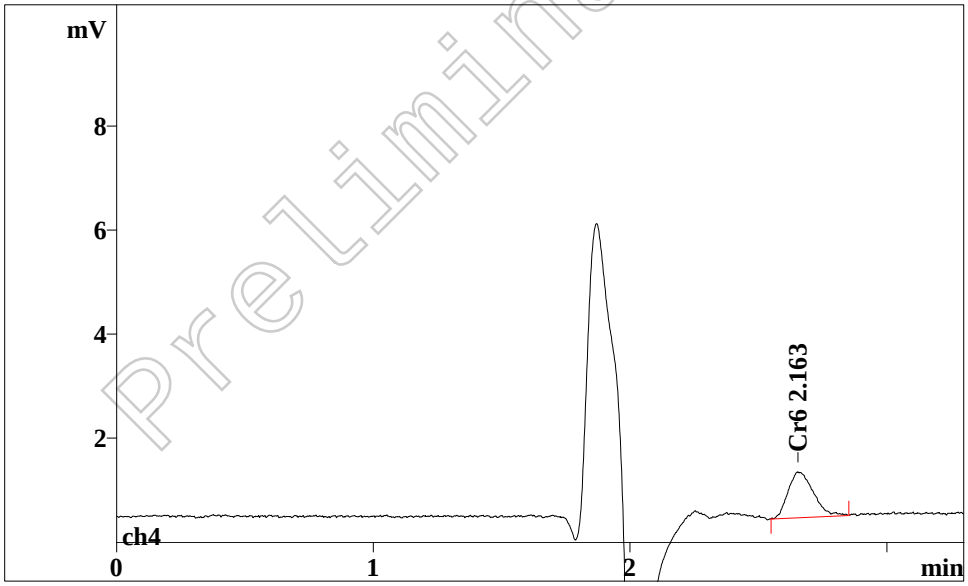
SAMPLE: 100ul loop
:
Vial number: 6
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.65;	0.108;	0.88;	99.25;	6.045;	100.00;	0.00;	0.00;	34

Report date: 11/27/2009 9:13:09 AM
Printed by: TestAmerica - Edison

Ident: 460-6741-A-5-A@5
Analysis from: 11/3/2009 7:34:33 AM
File: tb030734.chw Last save: 11/27/2009 9:04:23 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 21018

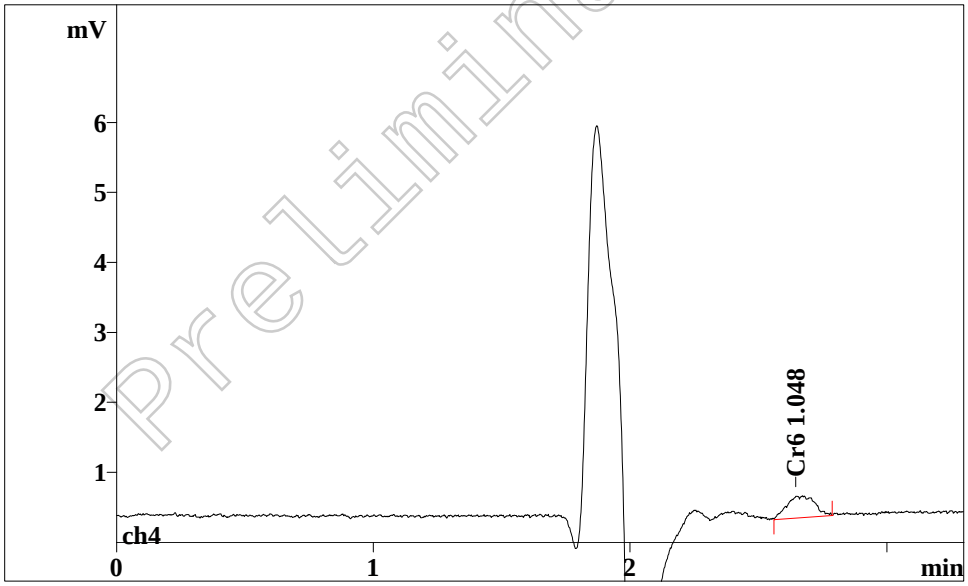
SAMPLE: 100ul loop
:
Vial number: 7
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.65;	0.130;	0.31;	99.57;	2.369;	100.00;	0.00;	0.00;	27

Report date: 11/27/2009 9:13:12 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 11/3/2009 7:41:47 AM
File: tb030741.chw Last save: 11/27/2009 9:04:23 AM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 21019

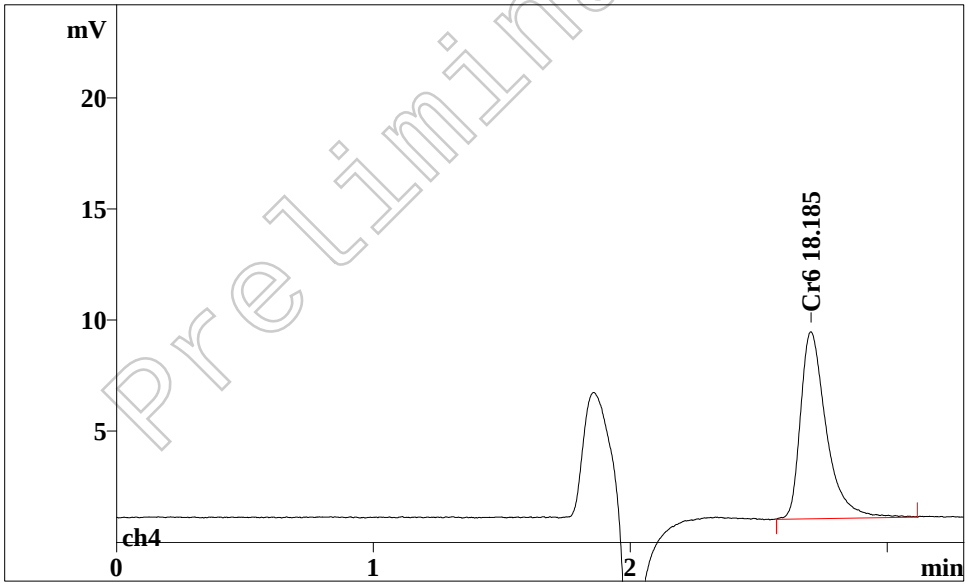
SAMPLE: 100ul loop
:
Vial number: 8
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.4 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.102;	8.43;	100.02;	58.882;	100.00;	0.00;	0.00;	33

Report date: 11/10/2009 9:54:19 AM
Printed by: TestAmerica - Edison

Ident: 0 ppb
Analysis from: 11/2/2009 12:06:53 PM
File: tb021206.chw Last save: 11/2/2009 1:09:16 PM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20864

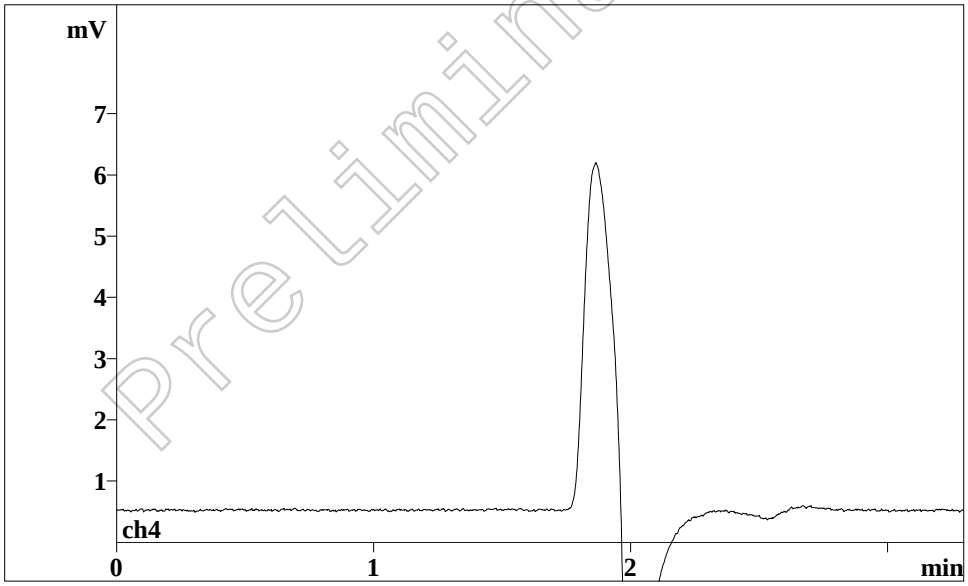
SAMPLE: 100ul loop
:
Vial number: 1
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No peaks

Report date: 11/10/2009 9:54:28 AM
Printed by: TestAmerica - Edison

Ident: 5 ppb
Analysis from: 11/2/2009 12:14:03 PM
File: tb021214.chw Last save: 11/2/2009 1:09:16 PM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20865

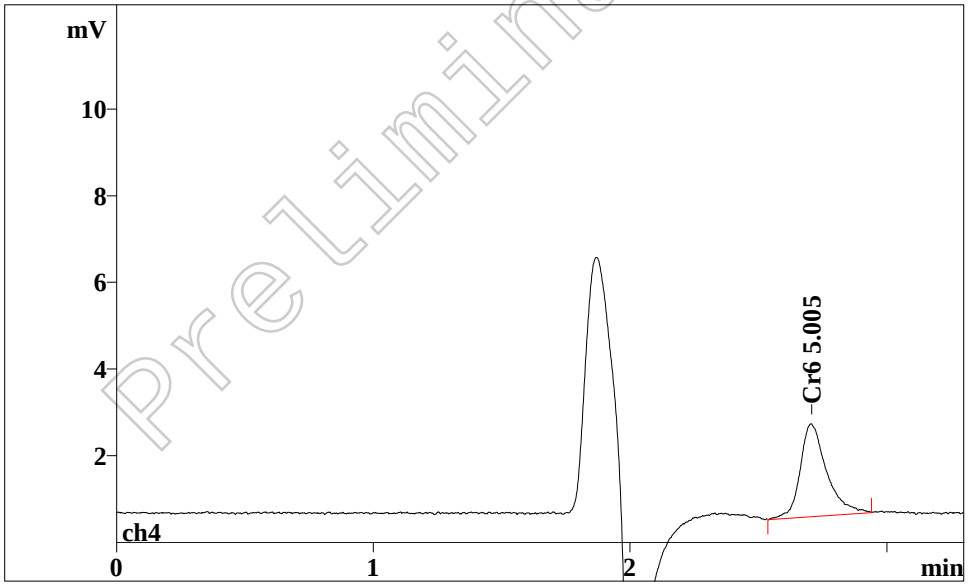
SAMPLE: 100ul loop
:
Vial number: 2
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.101;	2.15;	99.91;	15.420;	100.00;	0.00;	0.00;	32

Report date: 11/10/2009 9:54:32 AM
Printed by: TestAmerica - Edison

Ident: 10 ppb
Analysis from: 11/2/2009 12:21:14 PM
File: tb021221.chw Last save: 11/2/2009 1:09:16 PM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20866

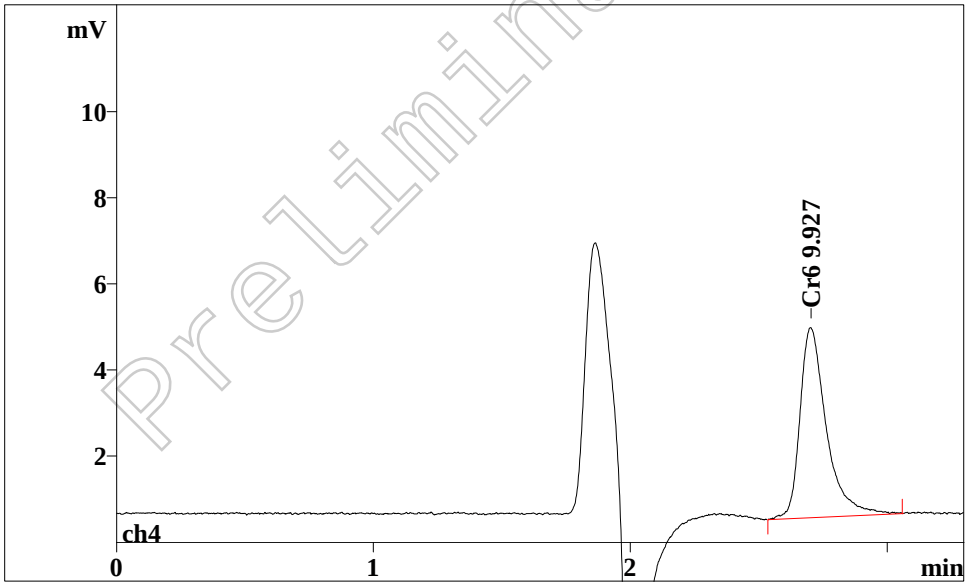
SAMPLE: 100ul loop
:
Vial number: 3
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.102;	4.42;	100.07;	31.651;	100.00;	0.00;	0.00;	32

Report date: 11/10/2009 9:54:35 AM
Printed by: TestAmerica - Edison

Ident: 25 ppb
Analysis from: 11/2/2009 12:28:25 PM
File: tb021228.chw Last save: 11/2/2009 1:09:16 PM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20867

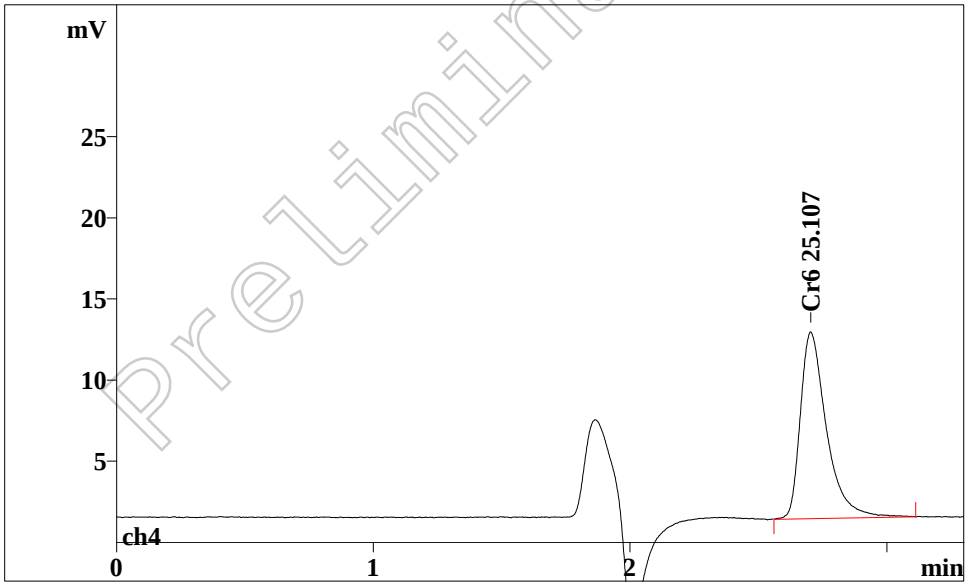
SAMPLE: 100ul loop
:
Vial number: 4
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.103;	11.52;	99.93;	81.710;	100.00;	0.00;	0.00;	32

Report date: 11/10/2009 9:54:39 AM
Printed by: TestAmerica - Edison

Ident: 50 ppb
Analysis from: 11/2/2009 12:35:38 PM
File: tb021235.chw Last save: 11/2/2009 1:10:42 PM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20868

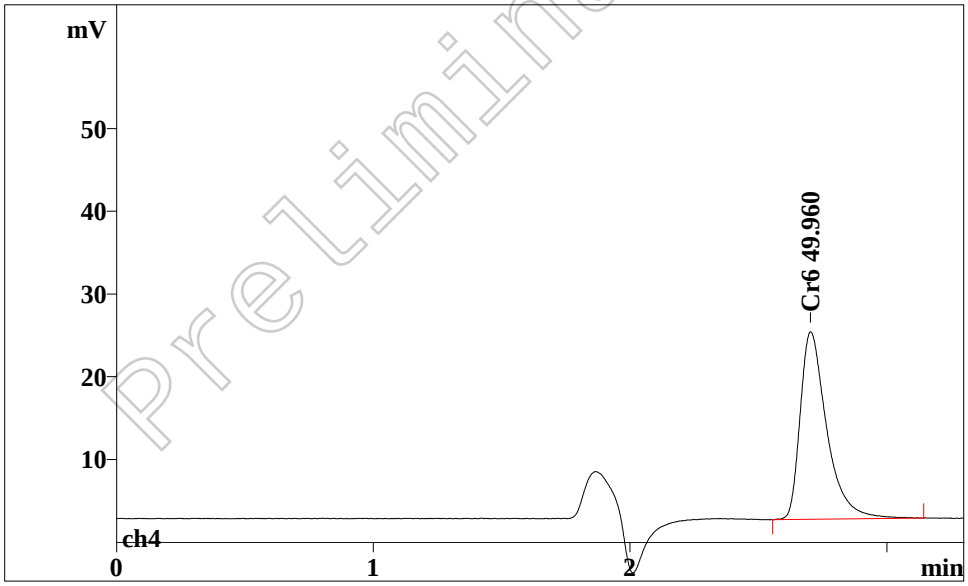
SAMPLE: 100ul loop
:
Vial number: 5
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

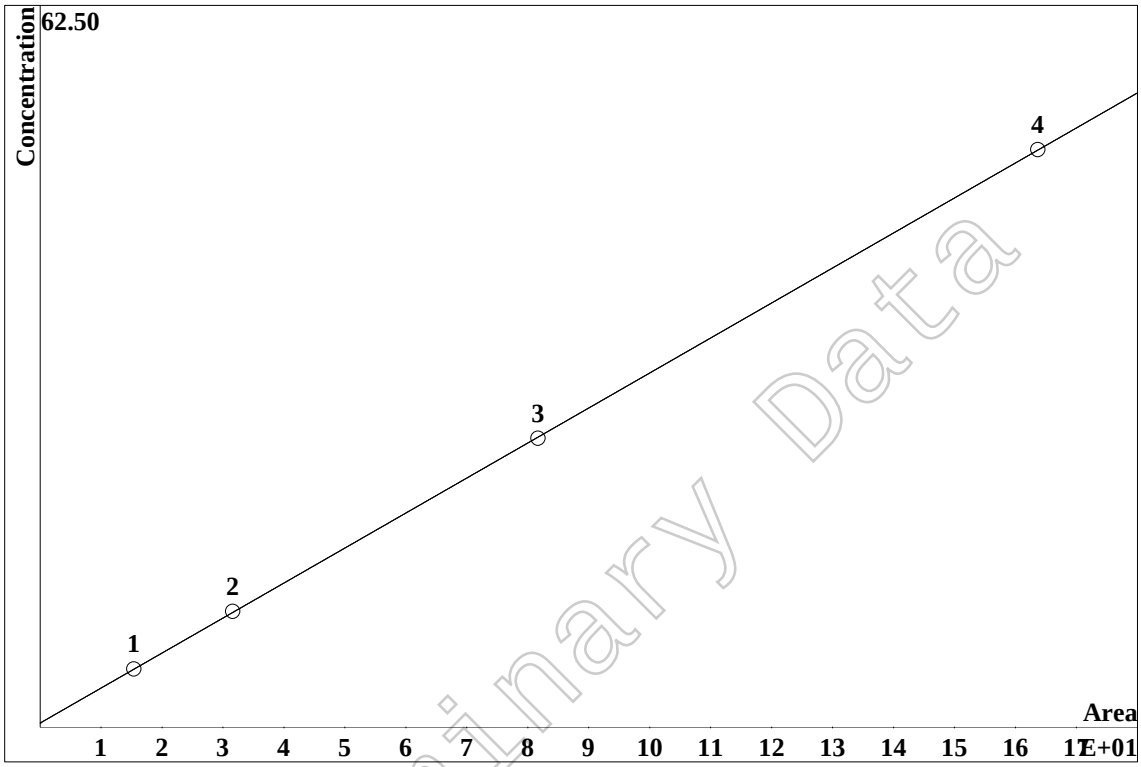
Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.105;	22.68;	99.99;	163.670;	100.00;	0.00;	0.00;	31

CALIBRATION OF COMPONENT Cr6

Method: stl_hexchrome_soil.mtw
Equation: Q = 0.303234·A + 0.329748
RSD: 0.426 %
Correlation coefficient: 0.999992



Preliminary Data

K3 = 0 K2 = 0 K1 = 0.303234 K0 = 0.329748
Base: Area
Ref.channel: ch4
ISTD:
Formula: Linear
Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1;	2.149;	15.42;	5;	1;	2.704;	Yes;	tb021214.chw
2;	4.414;	31.65;	10;	1;	2.704;	Yes;	tb021221.chw
3;	11.52;	81.71;	25;	1;	2.704;	Yes;	tb021228.chw
4;	22.68;	163.7;	50;	1;	2.704;	Yes;	tb021235.chw

Report date: 11/10/2009 9:54:53 AM
Printed by: TestAmerica - Edison

Ident: ICV
Analysis from: 11/2/2009 12:42:51 PM
File: tb021242.chw Last save: 11/2/2009 1:09:17 PM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20869

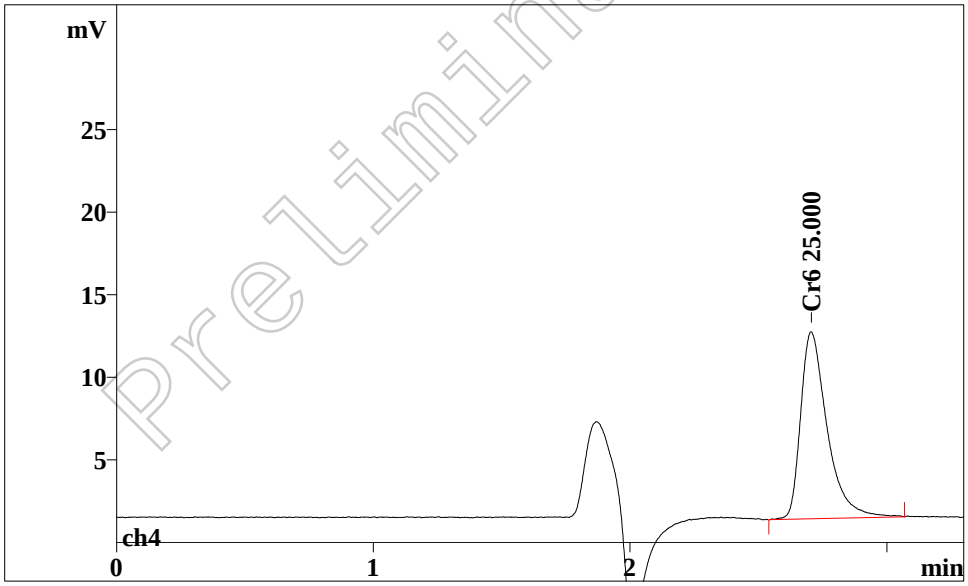
SAMPLE: 100ul loop
:
Vial number: 6
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.105;	11.33;	99.97;	81.358;	100.00;	0.00;	0.00;	32

Report date: 11/10/2009 9:54:58 AM
Printed by: TestAmerica - Edison

Ident: ICB
Analysis from: 11/2/2009 12:50:04 PM
File: tb021250.chw Last save: 11/2/2009 1:09:17 PM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20870

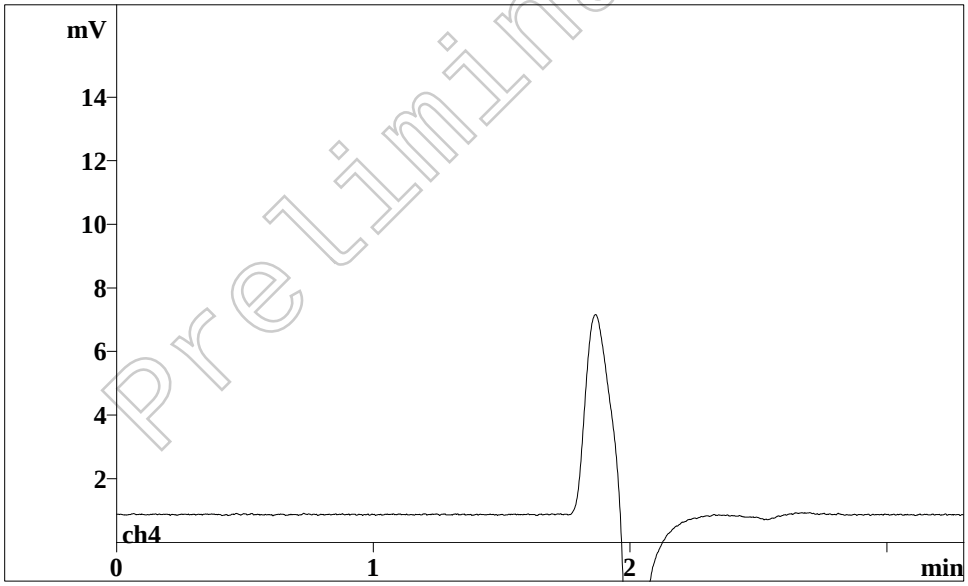
SAMPLE: 100ul loop
:
Vial number: 7
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No peaks

Report date: 11/10/2009 9:55:03 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20813/1-A@10
Analysis from: 11/2/2009 12:57:17 PM
File: tb021257.chw Last save: 11/2/2009 1:09:17 PM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20871

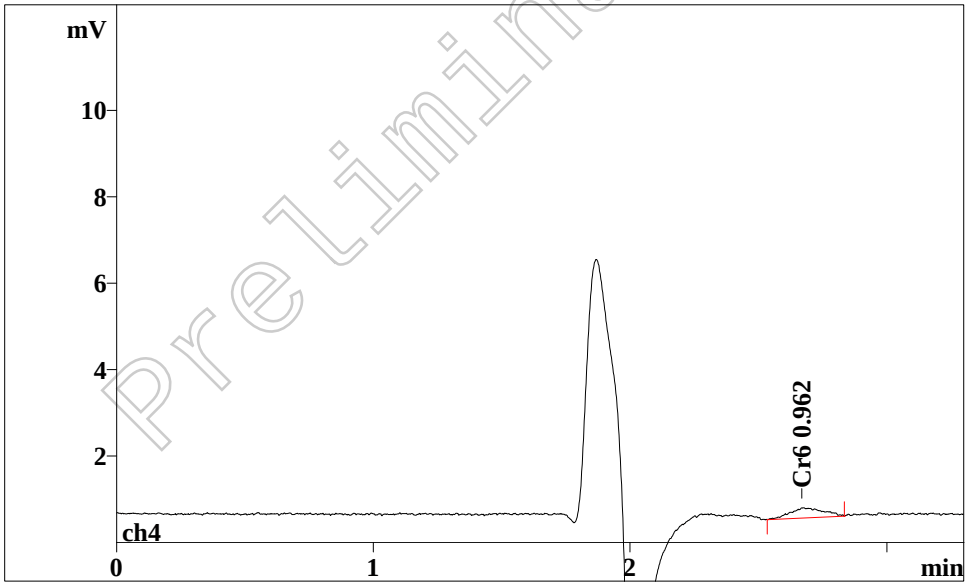
SAMPLE: 100ul loop
:
Vial number: 8
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.67;	0.147;	0.23;	99.00;	2.084;	100.00;	0.00;	0.00;	20

Report date: 11/10/2009 9:55:08 AM
Printed by: TestAmerica - Edison

Ident: MB 460-20813/1-A@10
Analysis from: 11/2/2009 1:04:32 PM
File: tb021304.chw Last save: 11/2/2009 1:09:17 PM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 3:06:4
Run operator: TestAmerica - Edison
Analysis number: 20872

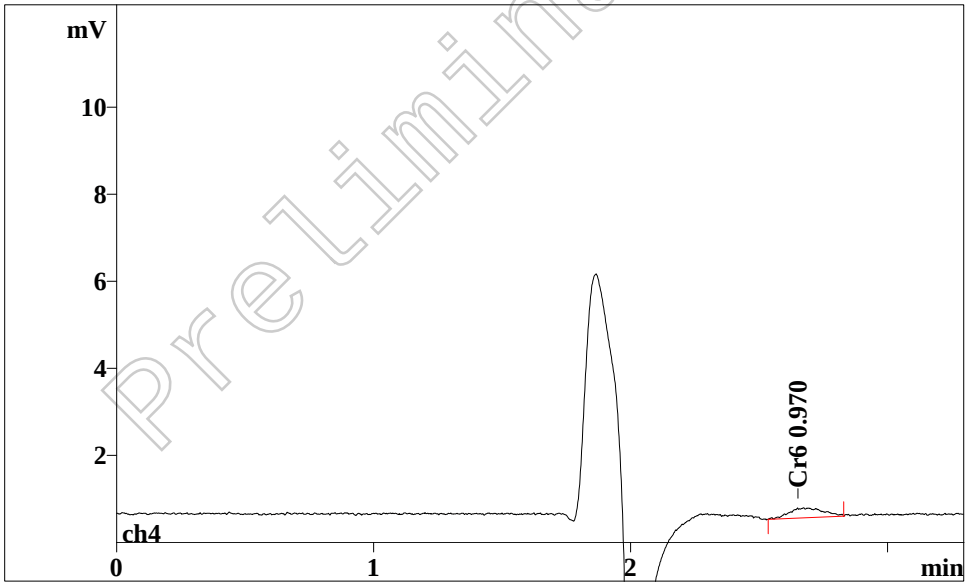
SAMPLE: 100ul loop
:
Vial number: 9
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.65;	0.150;	0.22;	92.27;	2.110;	100.00;	0.00;	0.00;	19

Report date: 11/10/2009 9:55:11 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20813/2-A@25
Analysis from: 11/2/2009 1:11:49 PM
File: tb021311.chw Last save: 11/2/2009 1:15:08 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:09:17
Run operator: TestAmerica - Edison
Analysis number: 20873

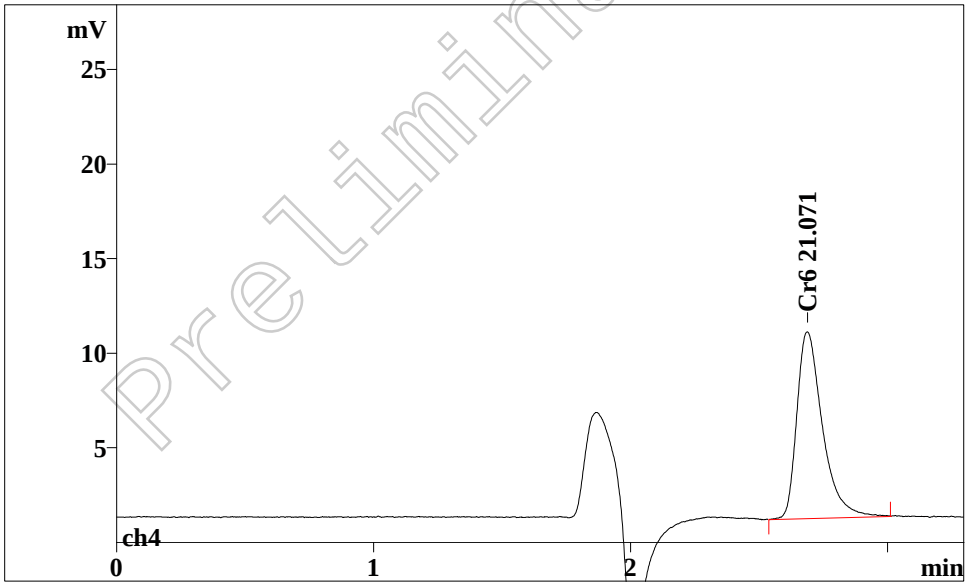
SAMPLE: 100ul loop
:
Vial number: 10
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.102;	9.88;	100.00;	68.400;	100.00;	0.00;	0.00;	34

Report date: 11/10/2009 9:55:14 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-20813/2-A@25
Analysis from: 11/2/2009 1:19:05 PM
File: tb021319.chw Last save: 11/2/2009 1:22:23 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20874

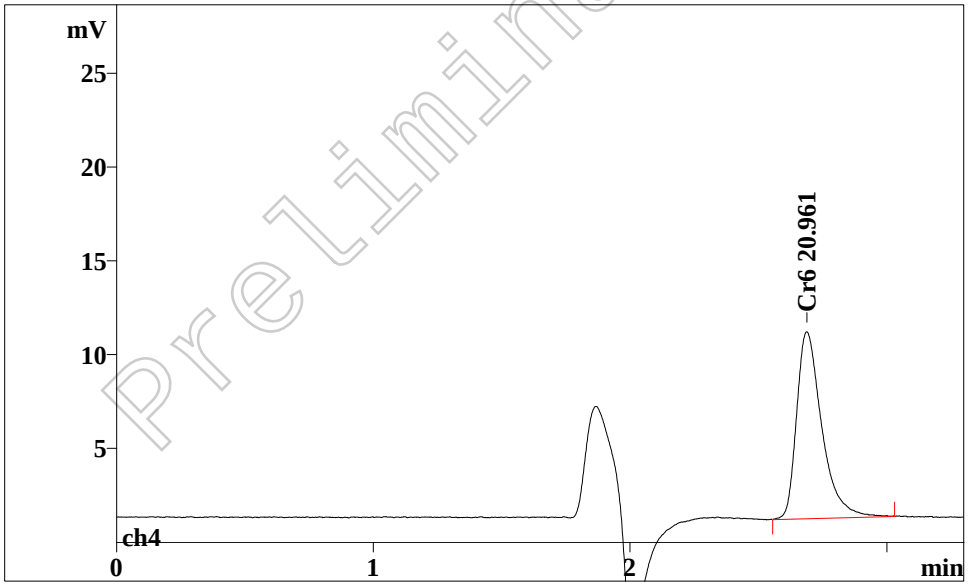
SAMPLE: 100ul loop
:
Vial number: 11
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.101;	9.97;	100.01;	68.037;	100.00;	0.00;	0.00;	35

Report date: 11/10/2009 9:55:18 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20813/3-A@500
Analysis from: 11/2/2009 1:26:21 PM
File: tb021326.chw Last save: 11/2/2009 1:29:40 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20875

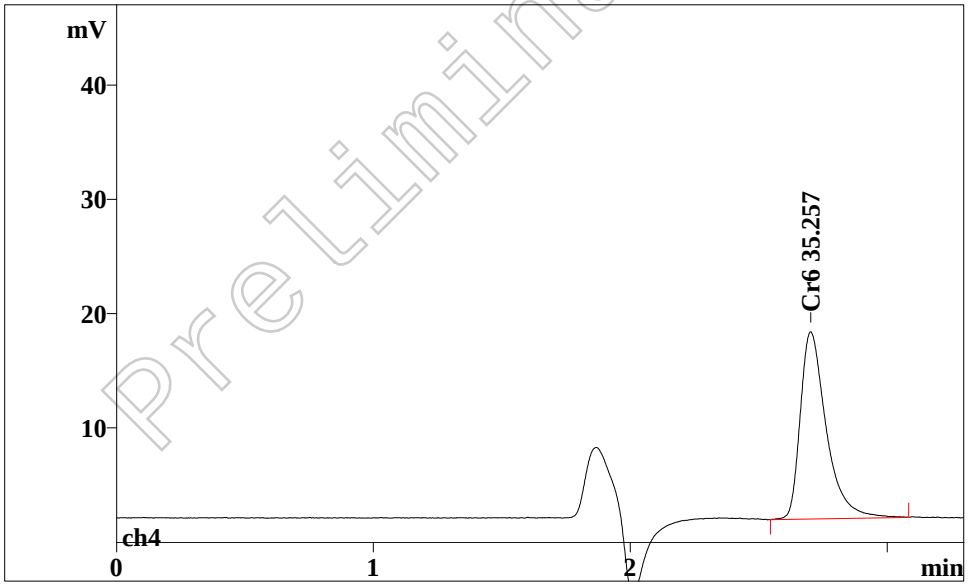
SAMPLE: 100ul loop
:
Vial number: 12
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.103;	16.38;	99.97;	115.184;	100.00;	0.00;	0.00;	33

Report date: 11/10/2009 9:55:22 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20813/3-A@500
Analysis from: 11/2/2009 1:34:32 PM
File: tb021334.chw Last save: 11/2/2009 1:37:50 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20876

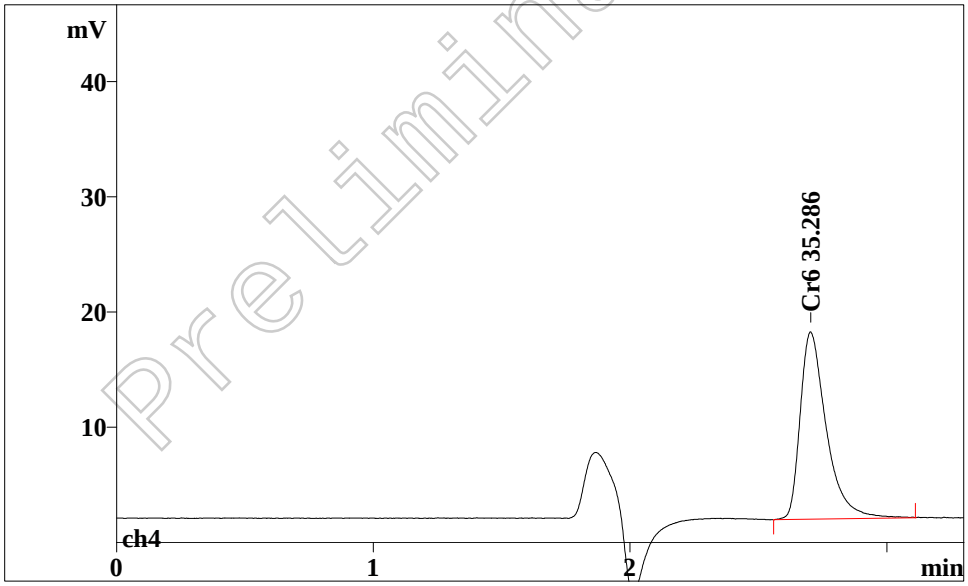
SAMPLE: 100ul loop
:
Vial number: 13
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.104;	16.27;	99.91;	115.278;	100.00;	0.00;	0.00;	32

Report date: 11/10/2009 10:02:30 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-20813/3-A@500
Analysis from: 11/2/2009 1:34:32 PM
File: tb021334.chw Last save: 11/2/2009 1:37:50 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20876

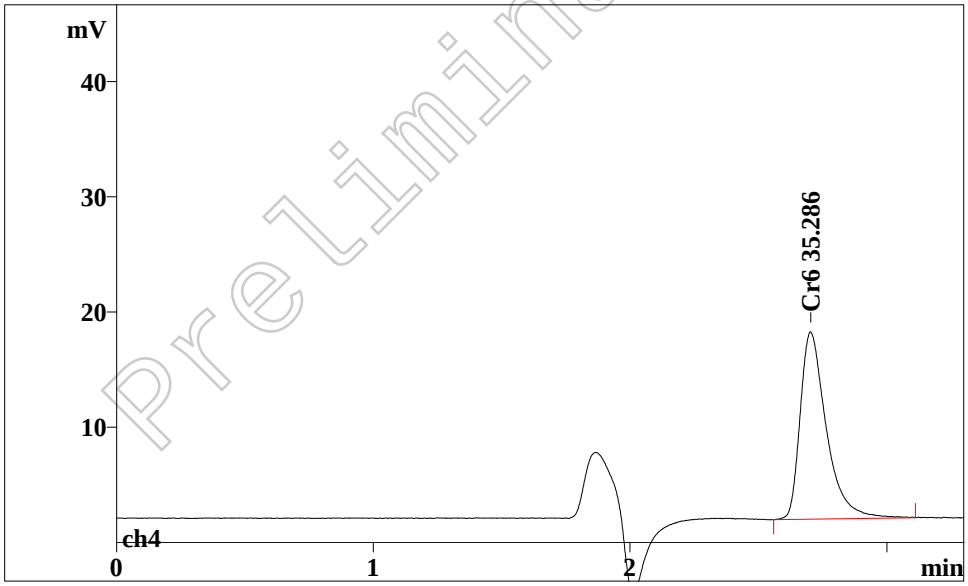
SAMPLE: 100ul loop
:
Vial number: 13
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.104;	16.27;	99.91;	115.278;	100.00;	0.00;	0.00;	32

Report date: 11/10/2009 10:02:37 AM
Printed by: TestAmerica - Edison

Ident: 460-6422-A-1-G@10
Analysis from: 11/2/2009 1:58:04 PM
File: tb021358.chw Last save: 11/2/2009 2:01:22 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20877

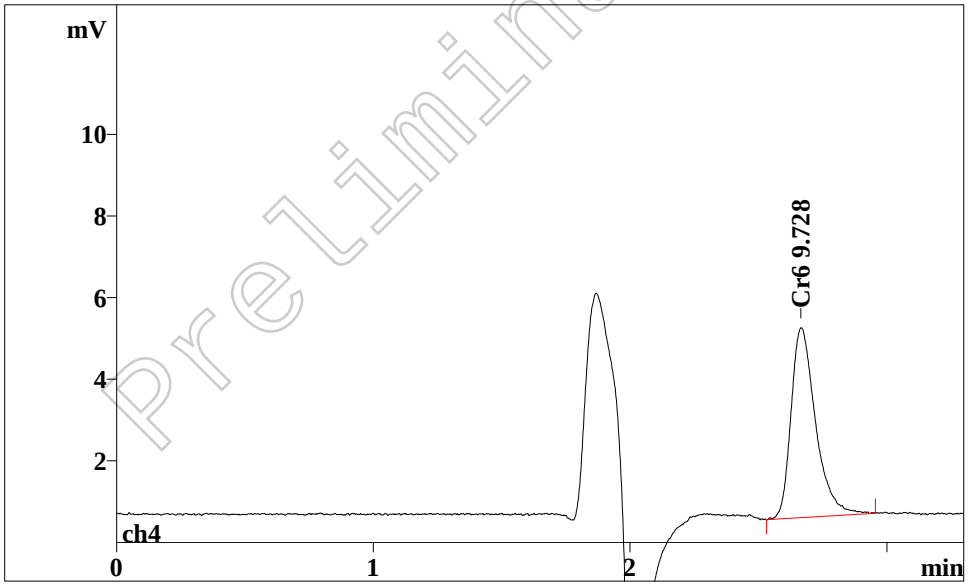
SAMPLE: 100ul loop
:
Vial number: 14
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.67;	0.099;	4.66;	99.94;	30.995;	100.00;	0.00;	0.00;	36

Report date: 11/10/2009 10:02:41 AM
Printed by: TestAmerica - Edison

Ident: 460-6422-A-1-G@10
Analysis from: 11/2/2009 2:05:29 PM
File: tb021405.chw Last save: 11/2/2009 2:08:47 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20878

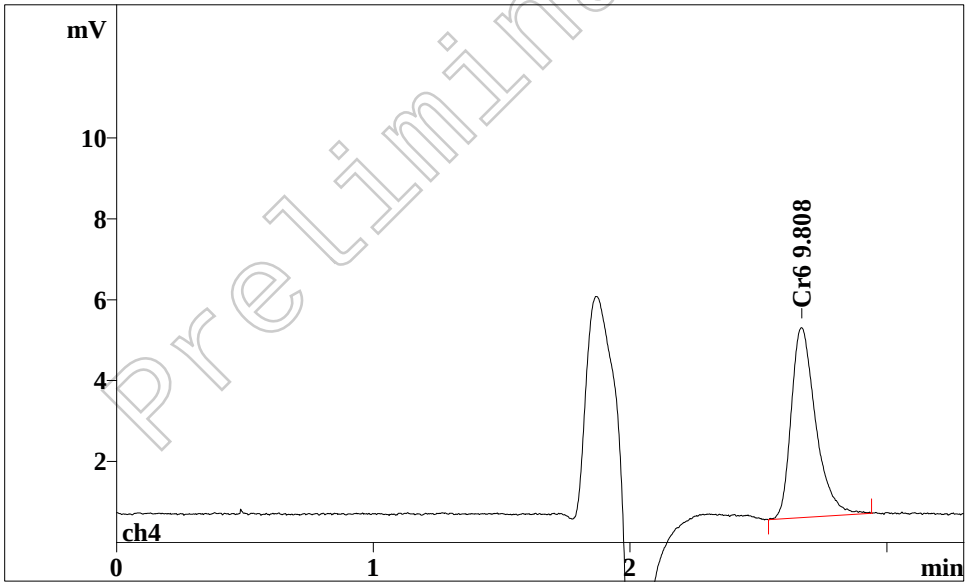
SAMPLE: 100ul loop
:
Vial number: 15
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.67;	0.099;	4.70;	99.99;	31.256;	100.00;	0.00;	0.00;	36

Report date: 11/10/2009 10:02:44 AM
Printed by: TestAmerica - Edison

Ident: 460-6422-A-1-H DU@10
Analysis from: 11/2/2009 2:32:23 PM
File: tb021432.chw Last save: 11/2/2009 2:35:42 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20879

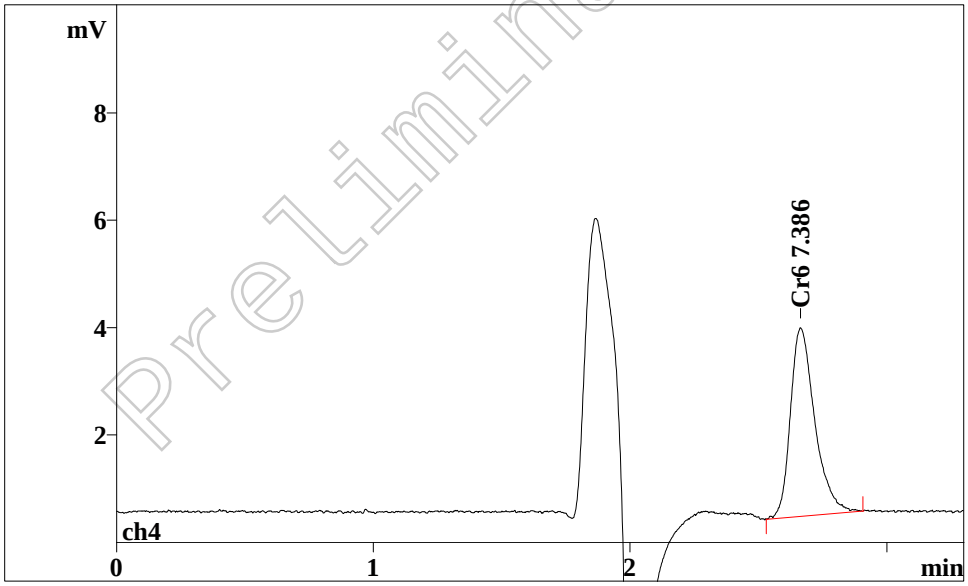
SAMPLE: 100ul loop
:
Vial number: 16
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.66;	0.099;	3.51;	99.81;	23.271;	100.00;	0.00;	0.00;	36

Report date: 11/10/2009 10:02:49 AM
Printed by: TestAmerica - Edison

Ident: 460-6422-A-1-H DU@10
Analysis from: 11/2/2009 2:43:12 PM
File: tb021443.chw Last save: 11/2/2009 2:46:31 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20880

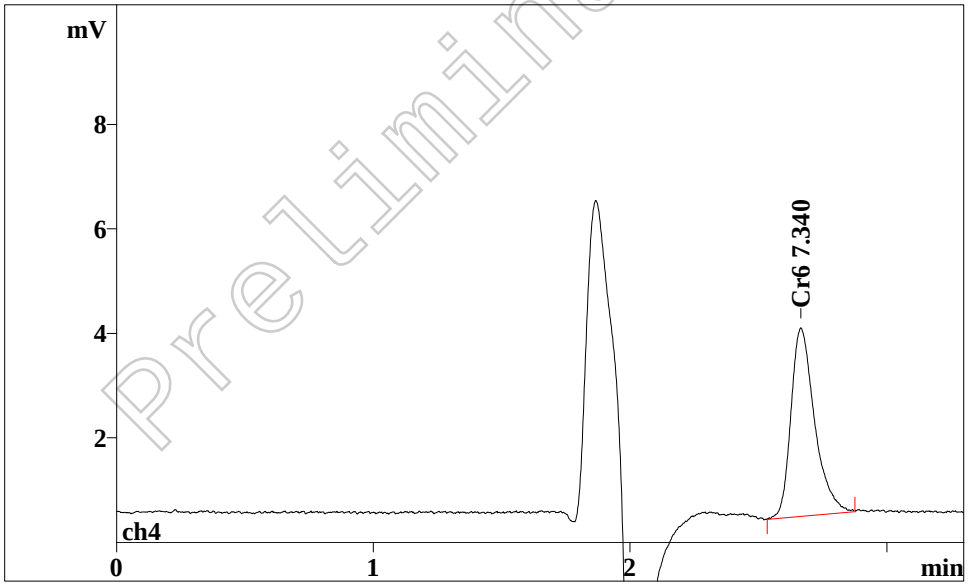
SAMPLE: 100ul loop
:
Vial number: 17
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.66;	0.095;	3.61;	99.87;	23.119;	100.00;	0.00;	0.00;	39

Report date: 11/10/2009 10:02:53 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 11/2/2009 2:50:33 PM
File: tb021450.chw Last save: 11/2/2009 2:53:51 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20881

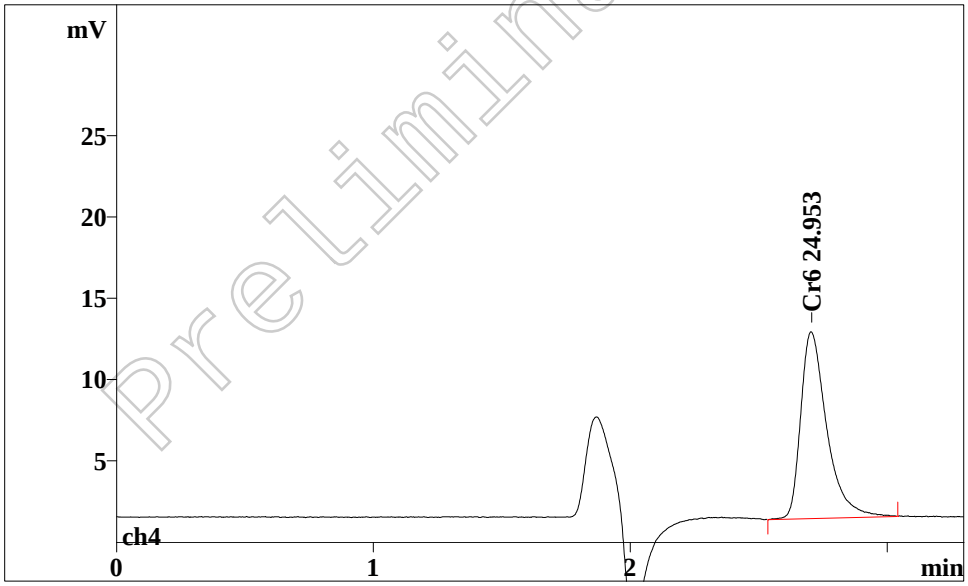
SAMPLE: 100ul loop
:
Vial number: 18
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.103;	11.50;	100.03;	81.202;	100.00;	0.00;	0.00;	33

Report date: 11/10/2009 10:02:57 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 11/2/2009 2:57:54 PM
File: tb021457.chw Last save: 11/2/2009 3:01:13 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20882

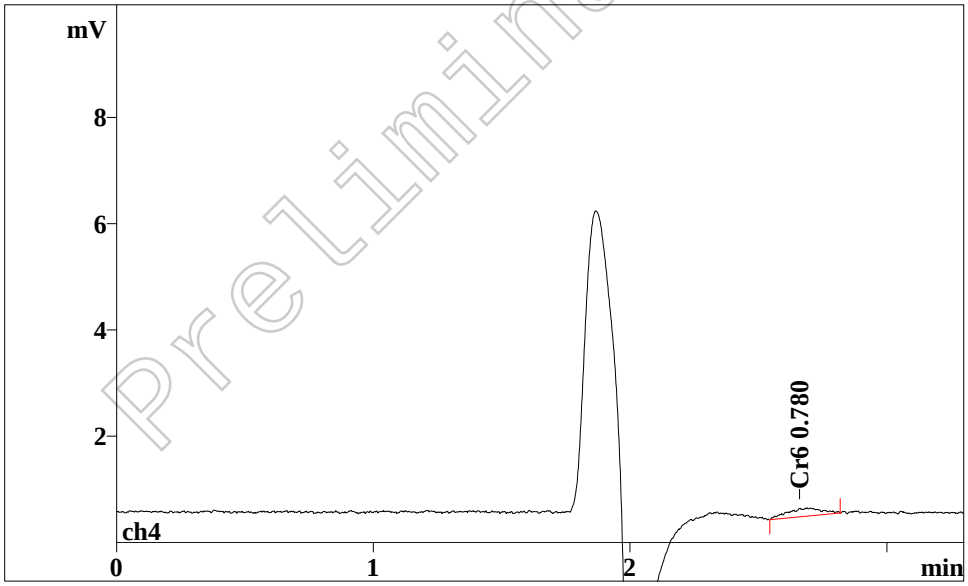
SAMPLE: 100ul loop
:
Vial number: 19
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.66;	0.157;	0.15;	94.77;	1.483;	100.00;	0.00;	0.00;	19

Report date: 11/10/2009 10:03:01 AM
Printed by: TestAmerica - Edison

Ident: 460-6422-A-1-I MS@40
Analysis from: 11/2/2009 3:05:15 PM
File: tb021505.chw Last save: 11/2/2009 3:08:33 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20883

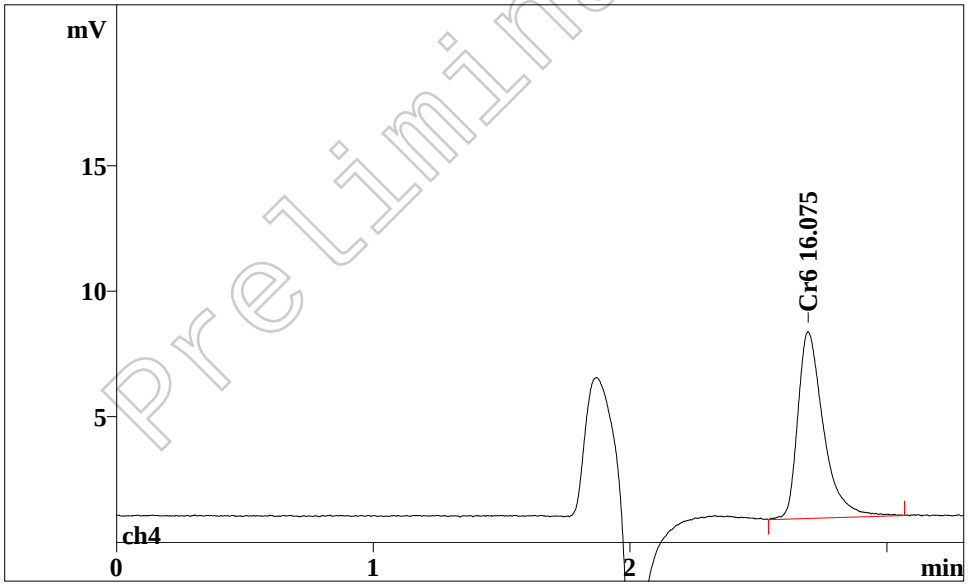
SAMPLE: 100ul loop
:
Vial number: 20
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.102;	7.44;	99.94;	51.925;	100.00;	0.00;	0.00;	33

Report date: 11/10/2009 10:03:04 AM
Printed by: TestAmerica - Edison

Ident: 460-6422-A-1-I MS@40
Analysis from: 11/2/2009 3:12:35 PM
File: tb021512.chw Last save: 11/2/2009 3:15:53 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20884

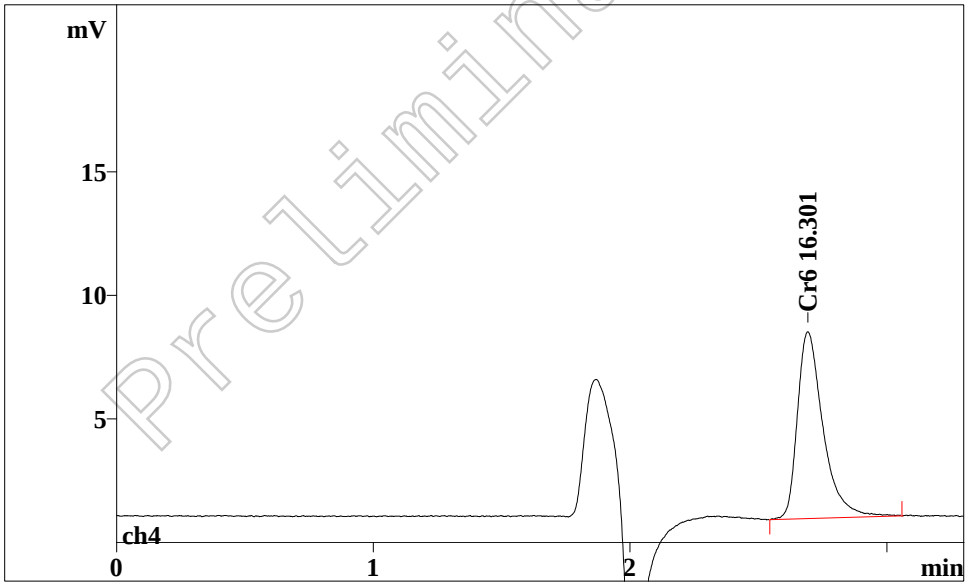
SAMPLE: 100ul loop
:
Vial number: 21
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.102;	7.57;	99.98;	52.670;	100.00;	0.00;	0.00;	33

Report date: 11/10/2009 10:03:09 AM
Printed by: TestAmerica - Edison

Ident: 460-6422-A-1-J MSI@500
Analysis from: 11/2/2009 3:19:56 PM
File: tb021519.chw Last save: 11/2/2009 3:23:14 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20885

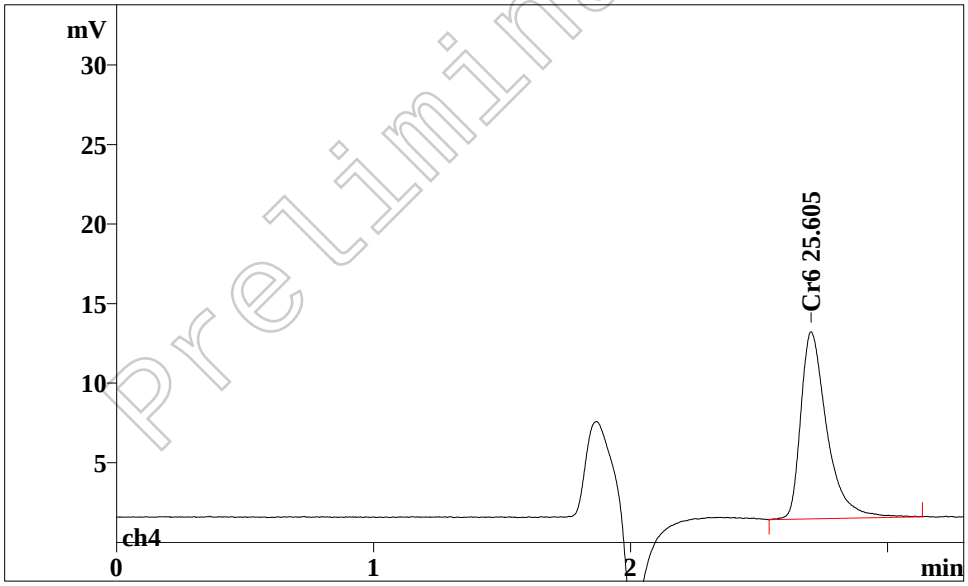
SAMPLE: 100ul loop
:
Vial number: 22
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.103;	11.77;	100.05;	83.352;	100.00;	0.00;	0.00;	32

Report date: 11/10/2009 10:03:12 AM
Printed by: TestAmerica - Edison

Ident: 460-6422-A-1-J MSI@500
Analysis from: 11/2/2009 3:27:16 PM
File: tb021527.chw Last save: 11/2/2009 3:30:34 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20886

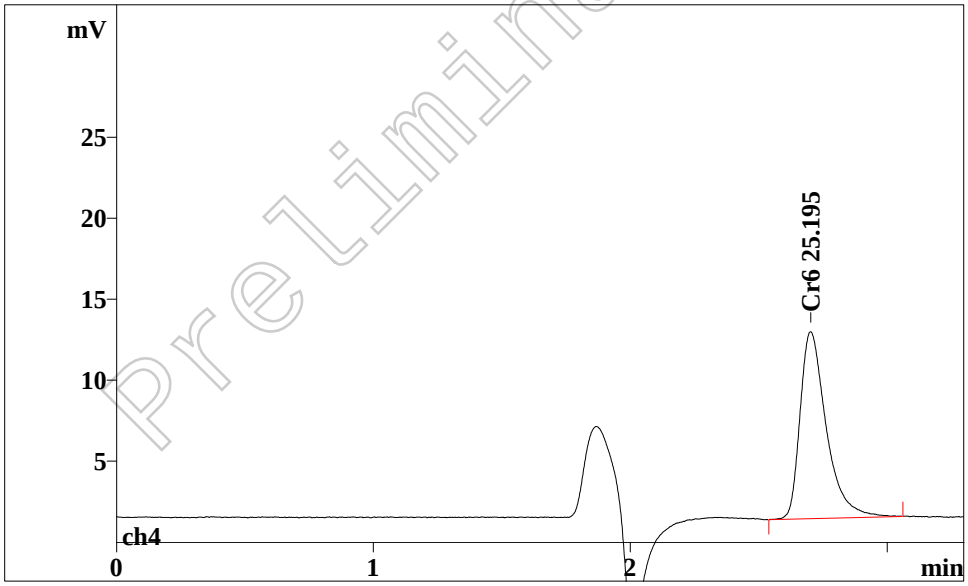
SAMPLE: 100ul loop
:
Vial number: 23
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.104;	11.55;	100.01;	81.999;	100.00;	0.00;	0.00;	32

Report date: 11/10/2009 10:03:17 AM
Printed by: TestAmerica - Edison

Ident: 460-6422-A-2-C@10
Analysis from: 11/2/2009 3:34:36 PM
File: tb021534.chw Last save: 11/2/2009 3:37:54 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20887

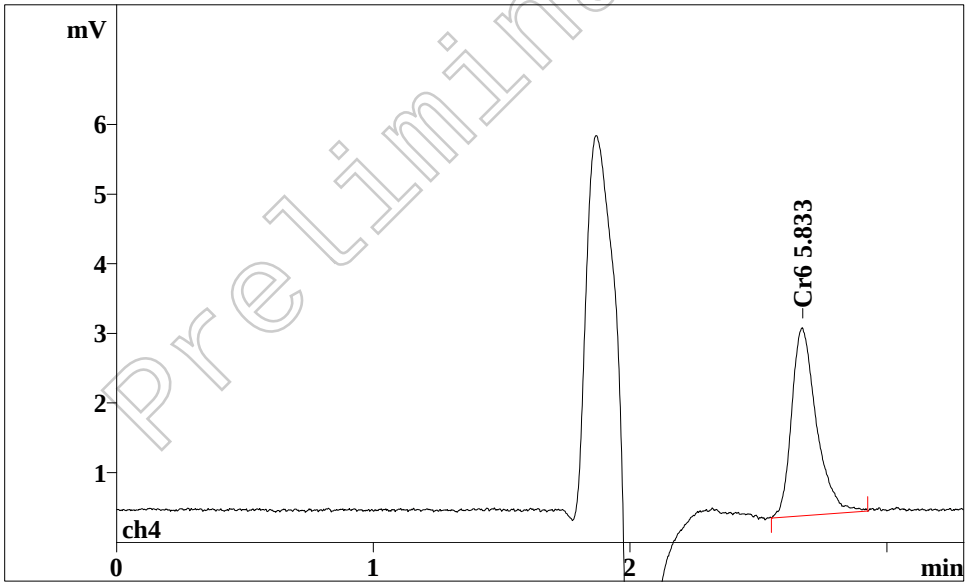
SAMPLE: 100ul loop
:
Vial number: 24
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.67;	0.098;	2.70;	99.79;	18.148;	100.00;	0.00;	0.00;	35

Report date: 11/10/2009 10:03:22 AM
Printed by: TestAmerica - Edison

Ident: 460-6422-A-2-C@40
Analysis from: 11/2/2009 3:41:56 PM
File: tb021541.chw Last save: 11/2/2009 3:45:14 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20888

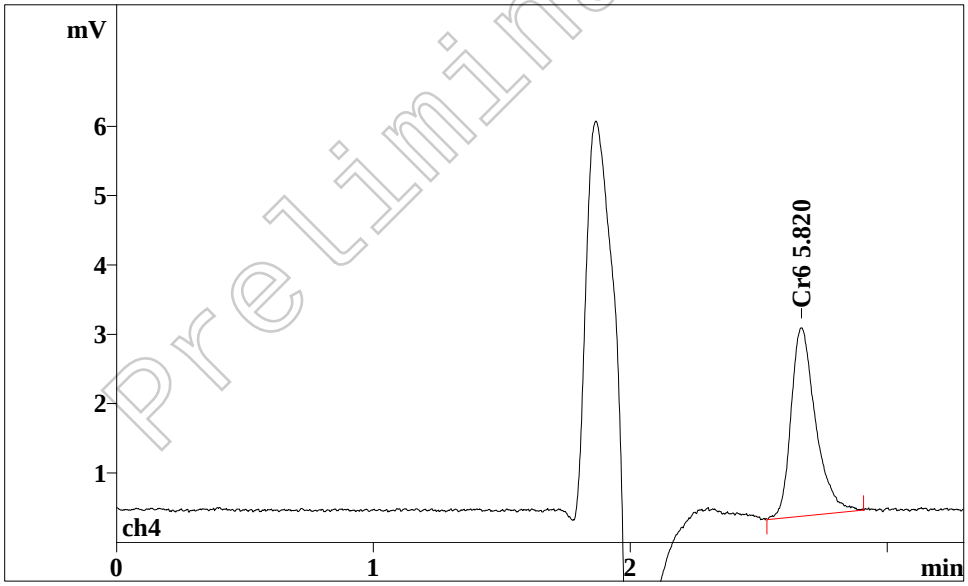
SAMPLE: 100ul loop
:
Vial number: 25
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.67;	0.098;	2.72;	99.95;	18.107;	100.00;	0.00;	0.00;	36

Report date: 11/10/2009 10:03:27 AM
Printed by: TestAmerica - Edison

Ident: 460-6422-A-3-C@10
Analysis from: 11/2/2009 3:49:16 PM
File: tb021549.chw Last save: 11/2/2009 3:52:35 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20889

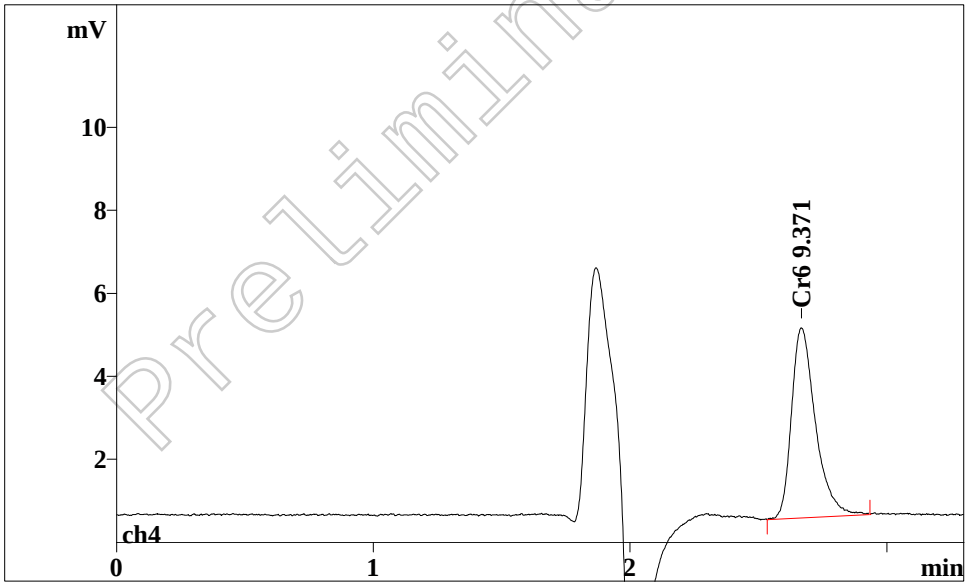
SAMPLE: 100ul loop
:
Vial number: 26
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.67;	0.097;	4.58;	99.94;	29.817;	100.00;	0.00;	0.00;	38

Report date: 11/10/2009 10:03:30 AM
Printed by: TestAmerica - Edison

Ident: 460-6422-A-3-C@10
Analysis from: 11/2/2009 3:56:37 PM
File: tb021556.chw Last save: 11/2/2009 3:59:55 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20890

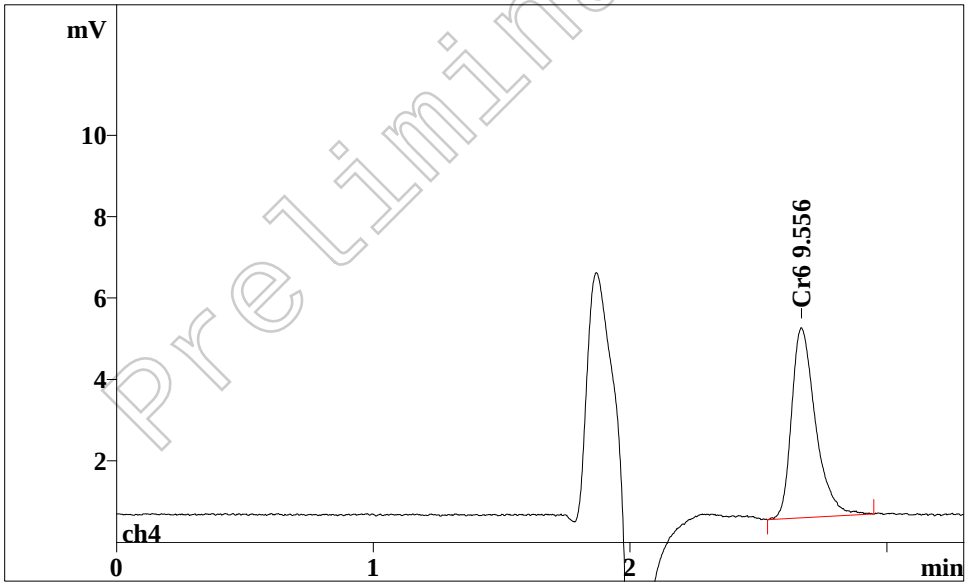
SAMPLE: 100ul loop
:
Vial number: 27
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.67;	0.097;	4.67;	99.84;	30.425;	100.00;	0.00;	0.00;	38

Report date: 11/10/2009 10:03:35 AM
Printed by: TestAmerica - Edison

Ident: 460-6422-A-4-C@10
Analysis from: 11/2/2009 4:03:56 PM
File: tb021603.chw Last save: 11/2/2009 4:07:14 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20891

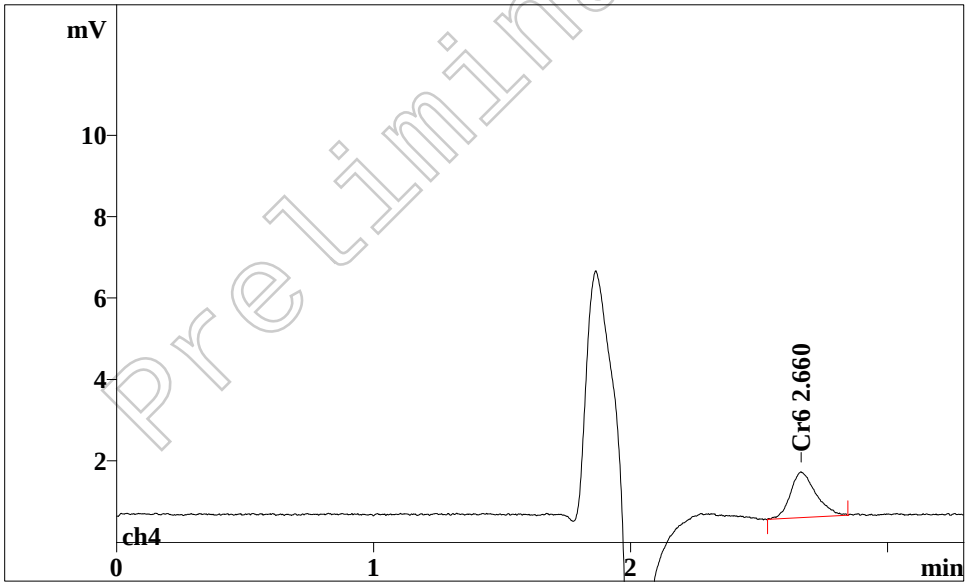
SAMPLE: 100ul loop
:
Vial number: 28
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.66;	0.102;	1.12;	99.16;	7.684;	100.00;	0.00;	0.00;	34

Report date: 11/10/2009 10:03:40 AM
Printed by: TestAmerica - Edison

Ident: 460-6422-A-4-C@10
Analysis from: 11/2/2009 4:11:25 PM
File: tb021611.chw Last save: 11/2/2009 4:14:43 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20892

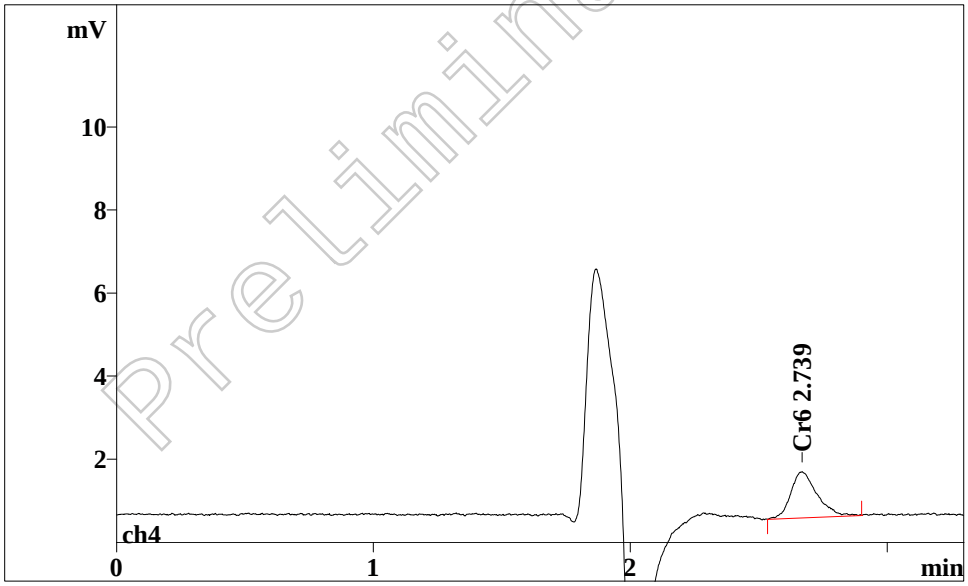
SAMPLE: 100ul loop
:
Vial number: 29
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.67;	0.106;	1.11;	99.75;	7.946;	100.00;	0.00;	0.00;	31

Report date: 11/10/2009 10:03:44 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 11/2/2009 4:18:44 PM
File: tb021618.chw Last save: 11/2/2009 4:22:02 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20893

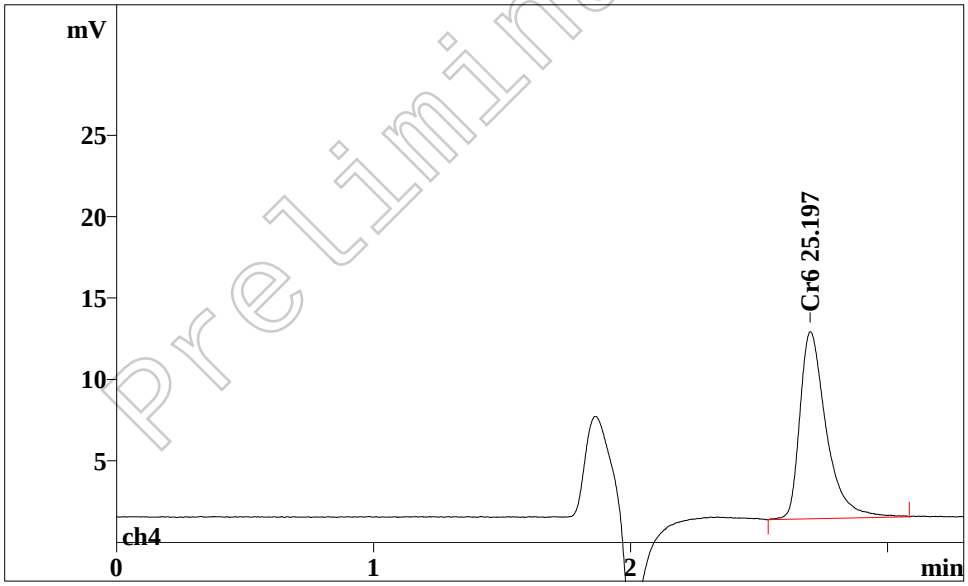
SAMPLE: 100ul loop
:
Vial number: 30
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.104;	11.49;	100.02;	82.006;	100.00;	0.00;	0.00;	32

Report date: 11/10/2009 10:03:49 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 11/2/2009 4:26:02 PM
File: tb021626.chw Last save: 11/2/2009 4:29:20 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20894

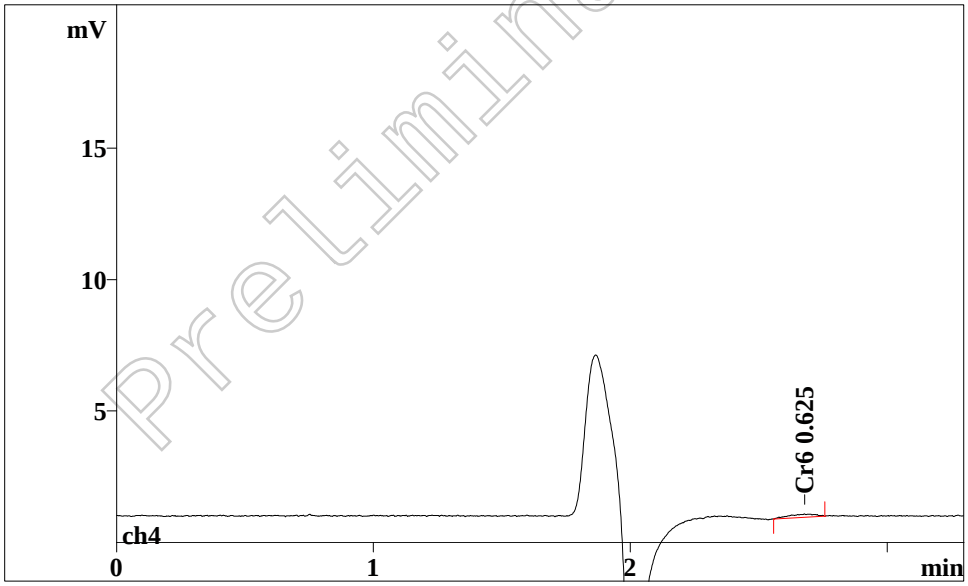
SAMPLE: 100ul loop
:
Vial number: 31
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.68;	0.140;	0.12;	87.78;	0.975;	100.00;	0.00;	0.00;	31

Report date: 11/10/2009 10:03:53 AM
Printed by: TestAmerica - Edison

Ident: 460-6188-A-1-C@40
Analysis from: 11/2/2009 4:35:55 PM
File: tb021635.chw Last save: 11/2/2009 4:39:13 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20895

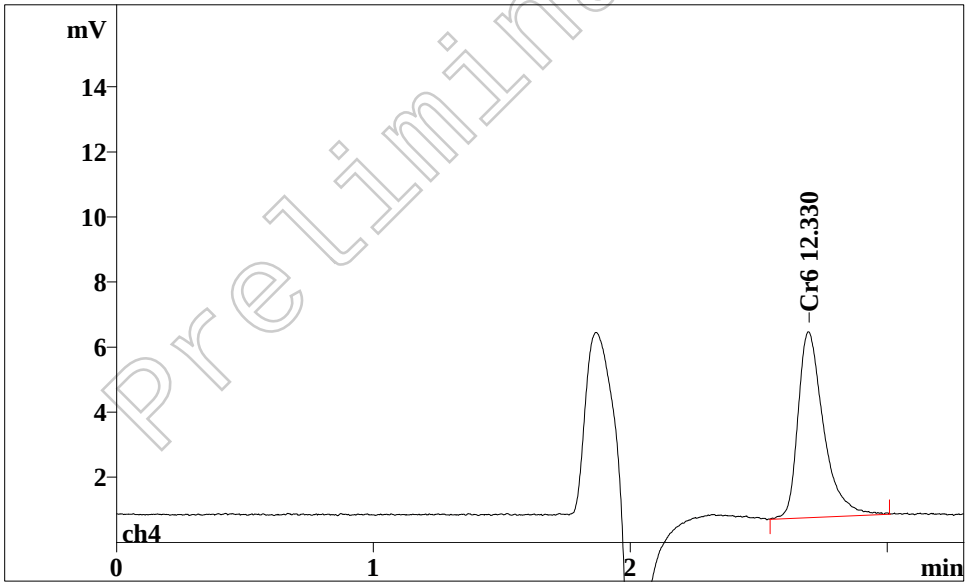
SAMPLE: 100ul loop
:
Vial number: 32
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.101;	5.72;	100.04;	39.573;	100.00;	0.00;	0.00;	34

Report date: 11/10/2009 10:03:56 AM
Printed by: TestAmerica - Edison

Ident: 460-6188-A-1-C@40
Analysis from: 11/2/2009 4:49:20 PM
File: tb021649.chw Last save: 11/2/2009 4:52:38 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20896

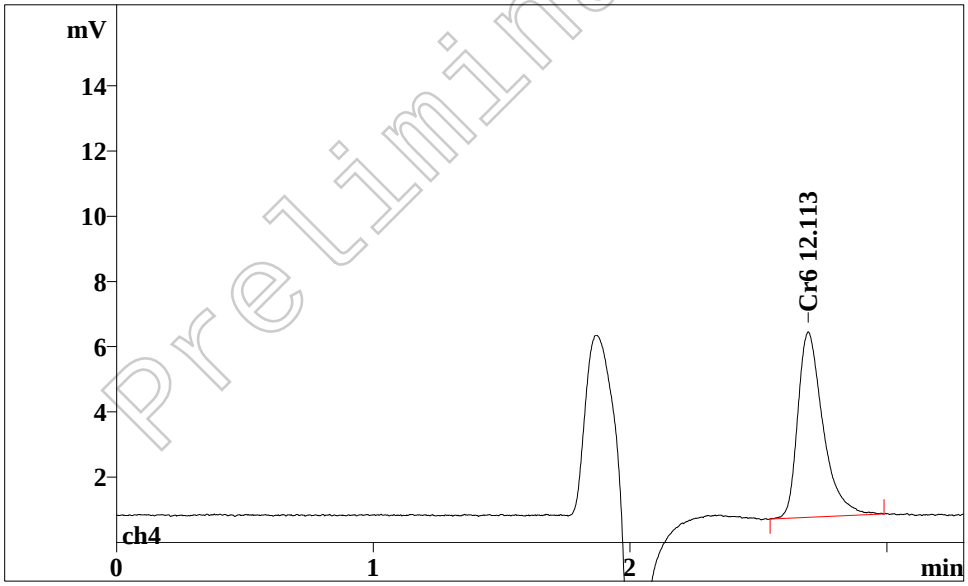
SAMPLE: 100ul loop
:
Vial number: 33
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.101;	5.69;	99.91;	38.857;	100.00;	0.00;	0.00;	35

Report date: 11/10/2009 10:03:59 AM
Printed by: TestAmerica - Edison

Ident: 460-6188-A-2-C@40
Analysis from: 11/2/2009 4:56:41 PM
File: tb021656.chw Last save: 11/2/2009 4:59:59 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20897

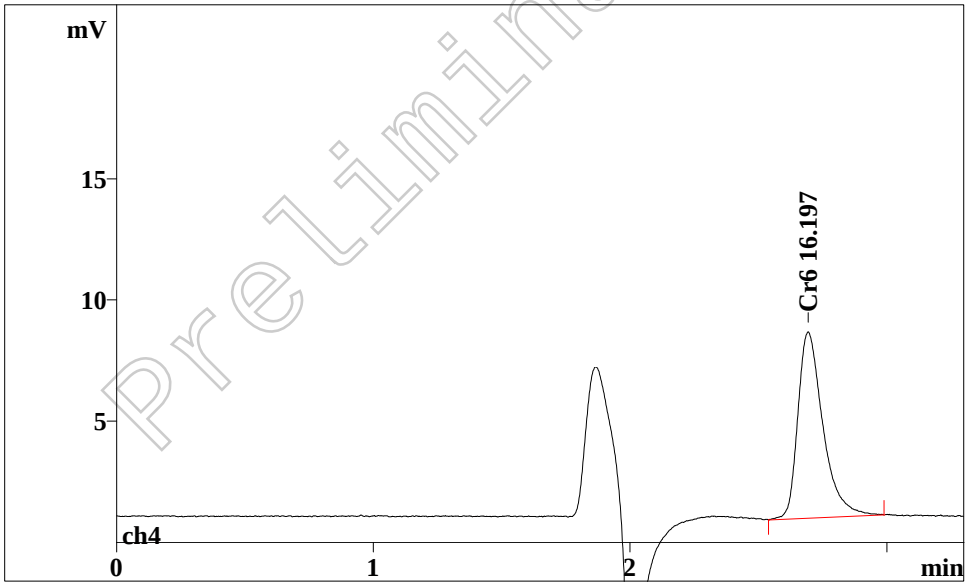
SAMPLE: 100ul loop
:
Vial number: 34
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.100;	7.69;	99.85;	52.326;	100.00;	0.00;	0.00;	35

Report date: 11/10/2009 10:04:02 AM
Printed by: TestAmerica - Edison

Ident: 460-6188-A-2-C@40
Analysis from: 11/2/2009 5:03:56 PM
File: tb021703.chw Last save: 11/2/2009 5:07:14 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20898

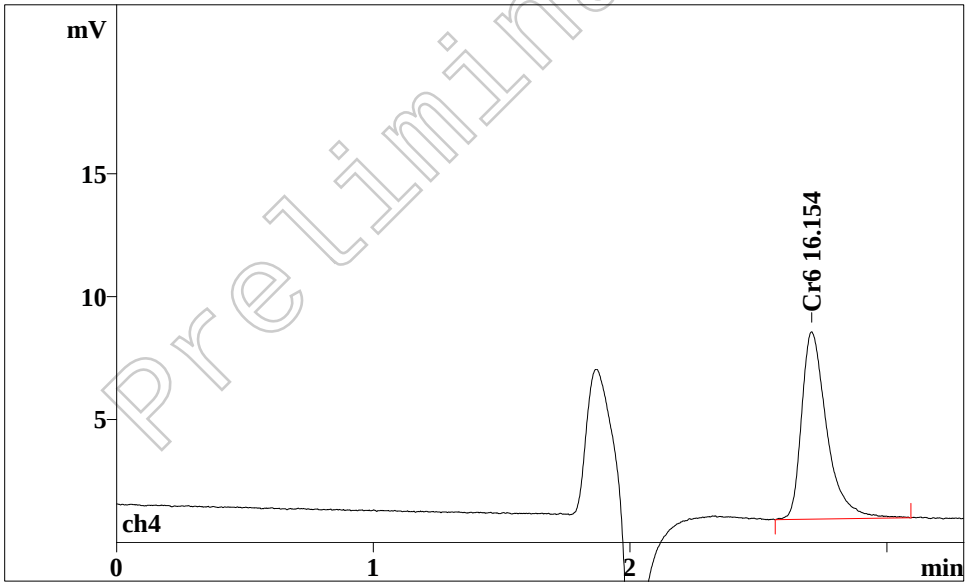
SAMPLE: 100ul loop
:
Vial number: 35
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.099;	7.63;	99.94;	52.184;	100.00;	0.00;	0.00;	35

Report date: 11/10/2009 10:04:48 AM
Printed by: TestAmerica - Edison

Ident: 460-6188-A-3-C@50
Analysis from: 11/2/2009 5:18:24 PM
File: tb021718.chw Last save: 11/2/2009 5:21:42 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20900

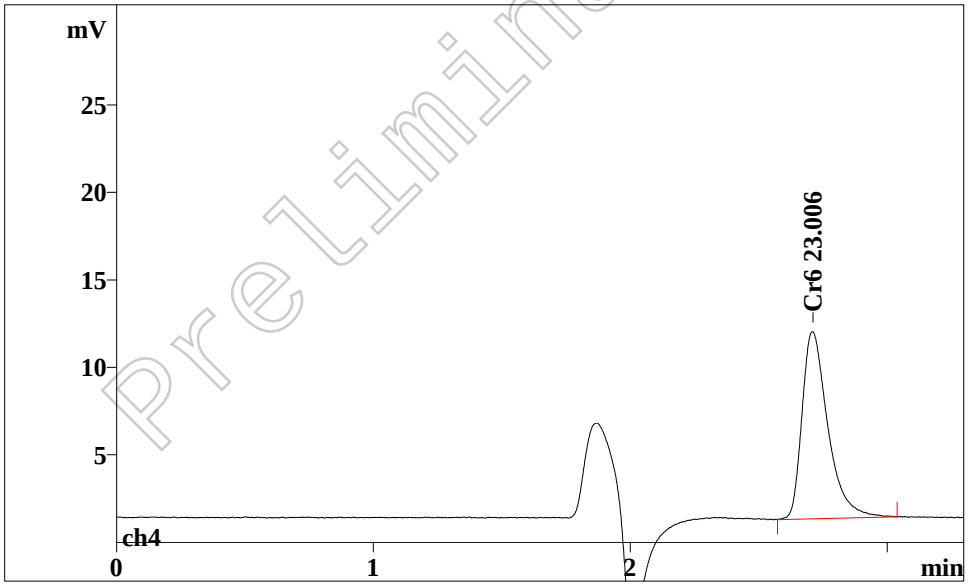
SAMPLE: 100ul loop
:
Vial number: 37
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.103;	10.70;	100.04;	74.781;	100.00;	0.00;	0.00;	33

Report date: 11/10/2009 10:04:52 AM
Printed by: TestAmerica - Edison

Ident: 460-6188-A-4-C@10
Analysis from: 11/2/2009 5:25:37 PM
File: tb021725.chw Last save: 11/2/2009 5:28:55 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20901

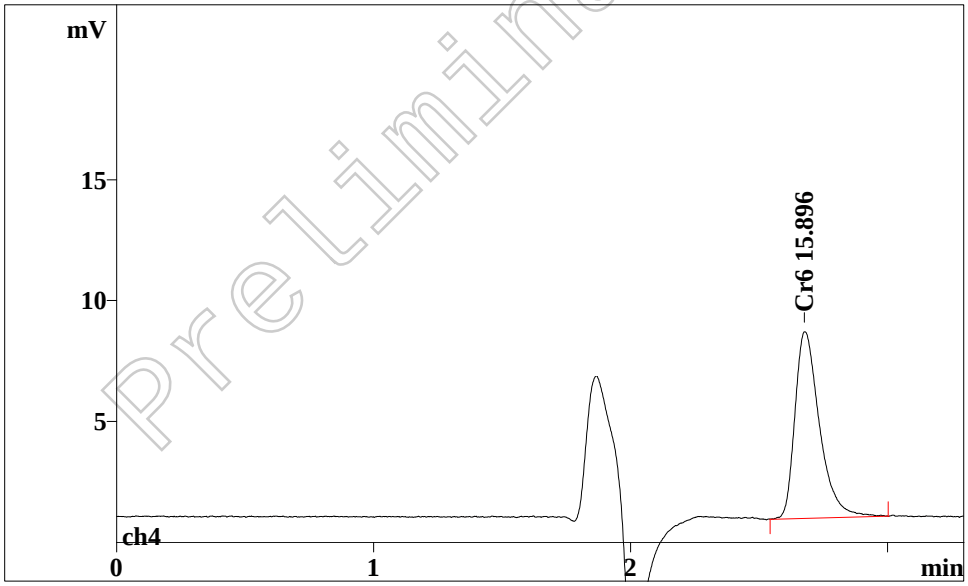
SAMPLE: 100ul loop
:
Vial number: 38
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.68;	0.099;	7.73;	100.04;	51.335;	100.00;	0.00;	0.00;	36

Report date: 11/10/2009 10:04:57 AM
Printed by: TestAmerica - Edison

Ident: 460-6188-A-4-C@10
Analysis from: 11/2/2009 5:32:50 PM
File: tb021732.chw Last save: 11/2/2009 5:36:08 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20902

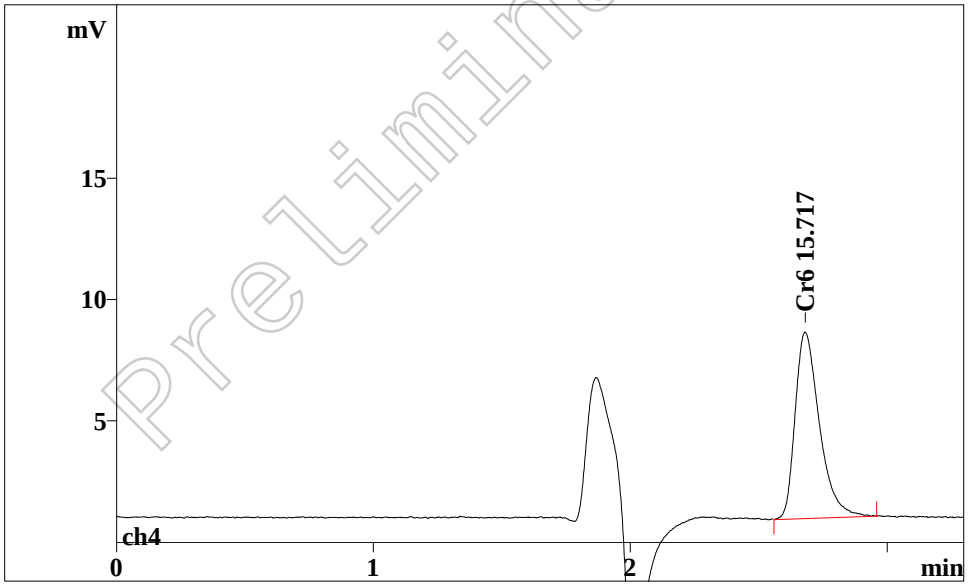
SAMPLE: 100ul loop
:
Vial number: 39
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.68;	0.099;	7.69;	99.79;	50.745;	100.00;	0.00;	0.00;	37

Report date: 11/10/2009 10:05:02 AM
Printed by: TestAmerica - Edison

Ident: 460-6268-A-1-D@10
Analysis from: 11/2/2009 5:40:01 PM
File: tb021740.chw Last save: 11/2/2009 5:43:20 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20903

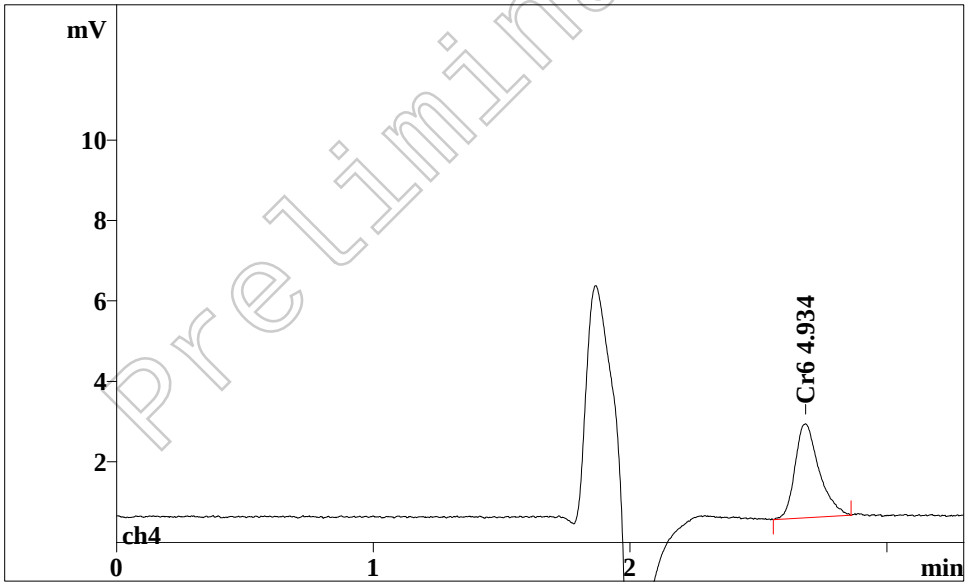
SAMPLE: 100ul loop
:
Vial number: 40
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.68;	0.097;	2.33;	99.76;	15.184;	100.00;	0.00;	0.00;	38

Report date: 11/10/2009 10:05:06 AM
Printed by: TestAmerica - Edison

Ident: 460-6268-A-1-D@10
Analysis from: 11/2/2009 5:47:13 PM
File: tb021747.chw Last save: 11/2/2009 5:50:31 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20904

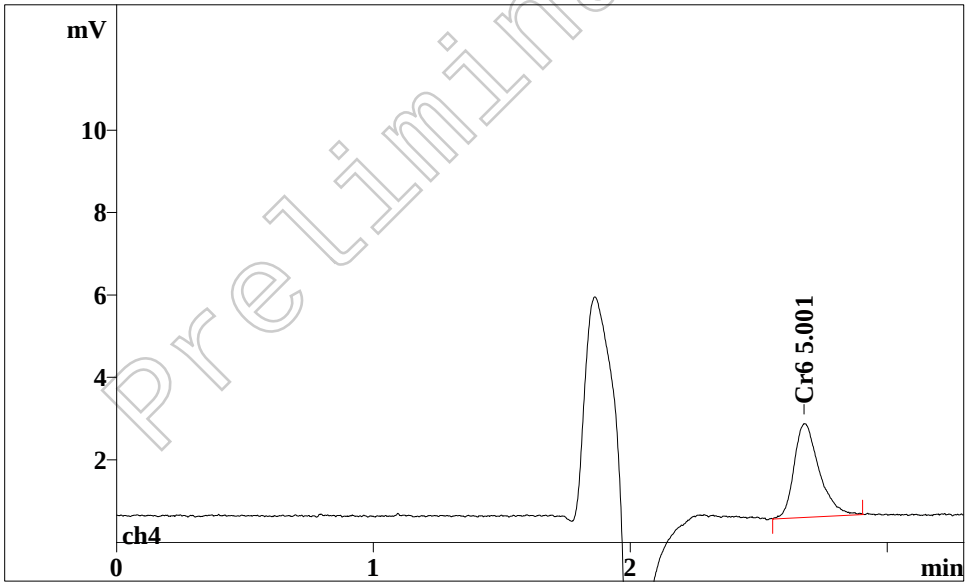
SAMPLE: 100ul loop
:
Vial number: 41
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.68;	0.100;	2.27;	100.03;	15.405;	100.00;	0.00;	0.00;	35

Report date: 11/10/2009 10:05:11 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 11/2/2009 5:54:24 PM
File: tb021754.chw Last save: 11/2/2009 5:57:42 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20905

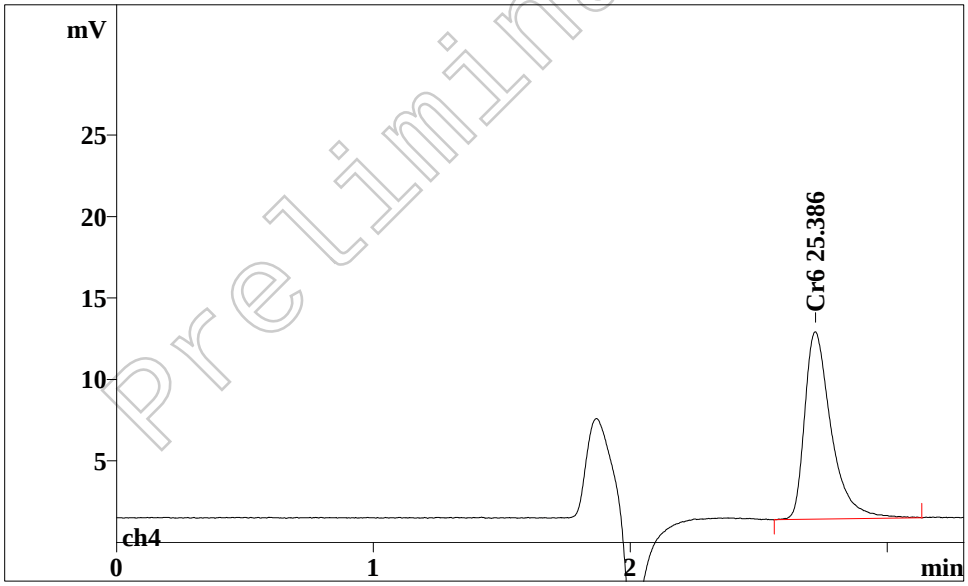
SAMPLE: 100ul loop
:
Vial number: 42
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.104;	11.51;	99.99;	82.631;	100.00;	0.00;	0.00;	32

Report date: 11/10/2009 10:05:16 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 11/2/2009 6:01:34 PM
File: tb021801.chw Last save: 11/2/2009 6:04:52 PM

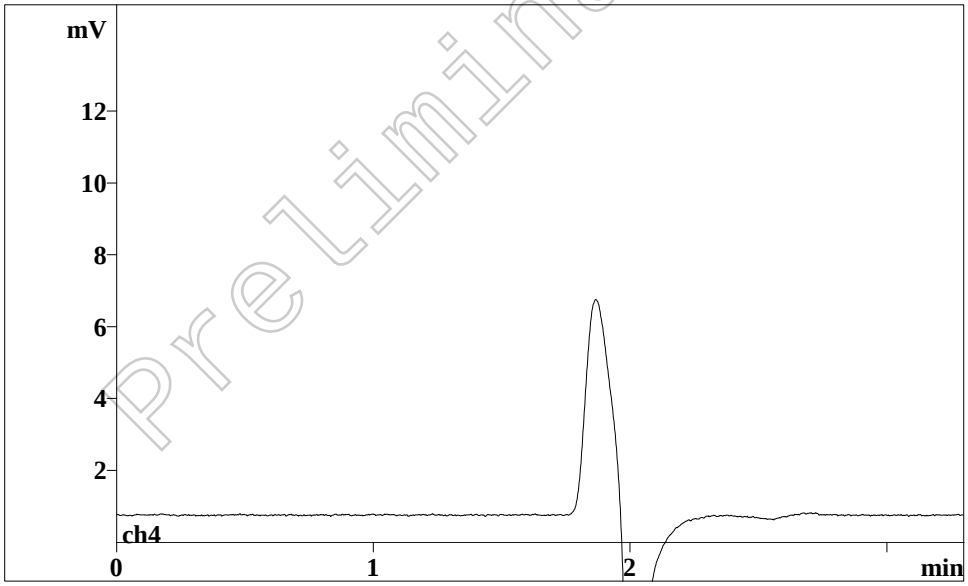
Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20906

SAMPLE: 100ul loop
:
Vial number: 43
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa



No peaks

Preliminary Data

Report date: 11/10/2009 10:05:22 AM
Printed by: TestAmerica - Edison

Ident: 460-6268-A-2-C@10
Analysis from: 11/2/2009 6:08:43 PM
File: tb021808.chw Last save: 11/2/2009 6:12:01 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20907

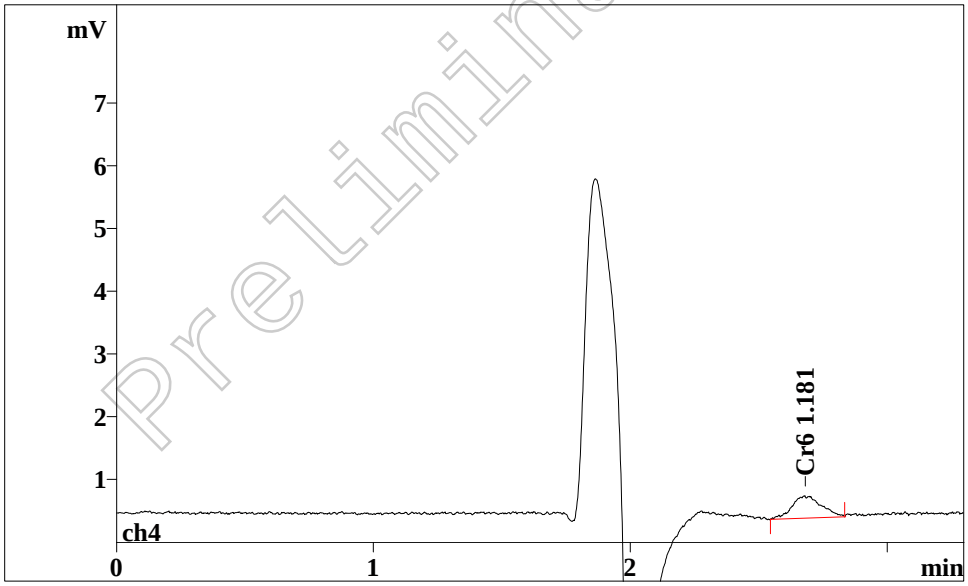
SAMPLE: 100ul loop
:
Vial number: 44
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.67;	0.128;	0.35;	98.06;	2.807;	100.00;	0.00;	0.00;	25

Report date: 11/10/2009 10:05:26 AM
Printed by: TestAmerica - Edison

Ident: 460-6268-A-2-C@10
Analysis from: 11/2/2009 6:15:55 PM
File: tb021815.chw Last save: 11/2/2009 6:19:13 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20908

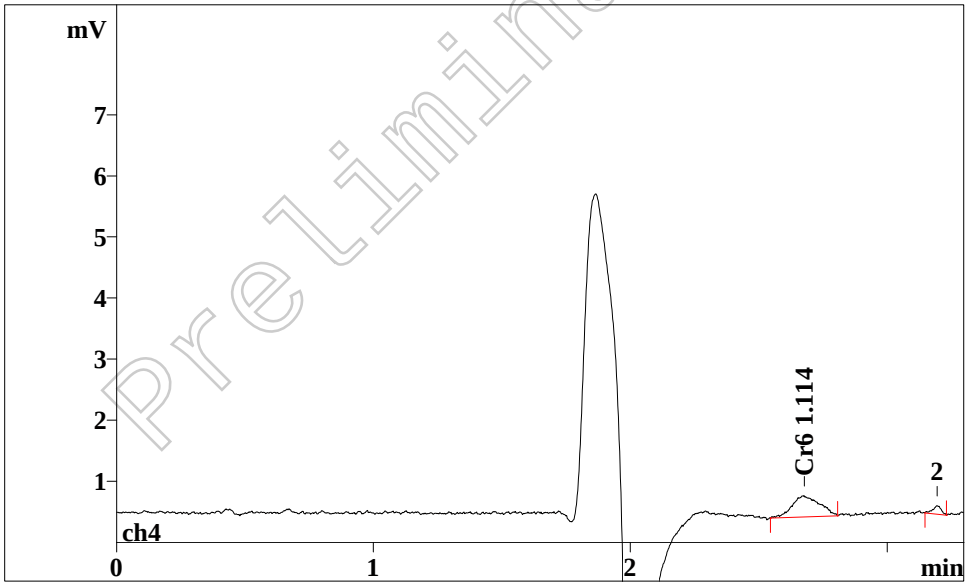
SAMPLE: 100ul loop
:
Vial number: 45
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.67;	0.127;	0.34;	70.54;	2.586;	89.01;	0.00;	4.11;	28

Report date: 11/10/2009 10:05:30 AM
Printed by: TestAmerica - Edison

Ident: 460-6269-A-1-C@10
Analysis from: 11/2/2009 6:23:04 PM
File: tb021823.chw Last save: 11/2/2009 6:26:22 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20909

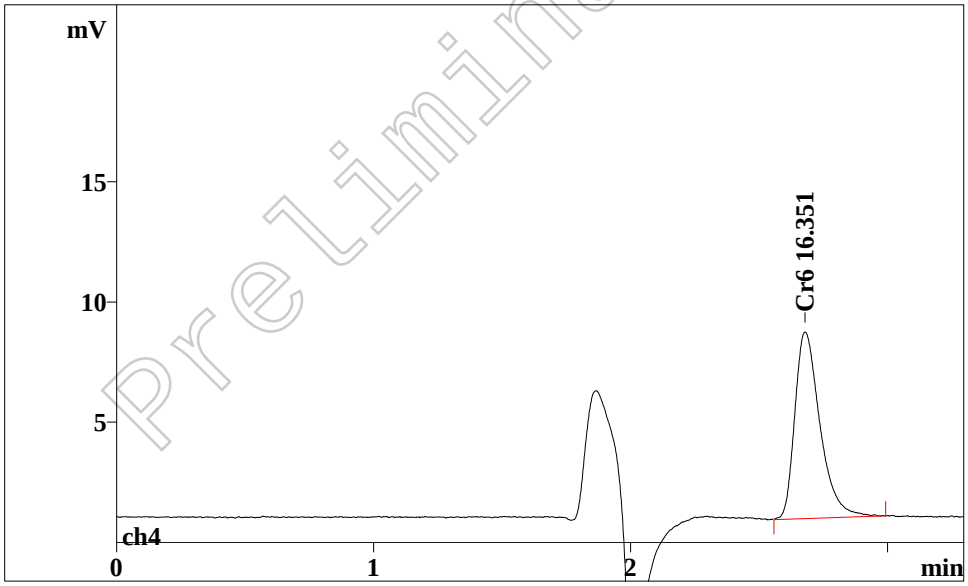
SAMPLE: 100ul loop
:
Vial number: 46
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.68;	0.102;	7.76;	99.88;	52.835;	100.00;	0.00;	0.00;	35

Report date: 11/10/2009 10:05:34 AM
Printed by: TestAmerica - Edison

Ident: 460-6269-A-1-C@10
Analysis from: 11/2/2009 6:30:15 PM
File: tb021830.chw Last save: 11/2/2009 6:33:33 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20910

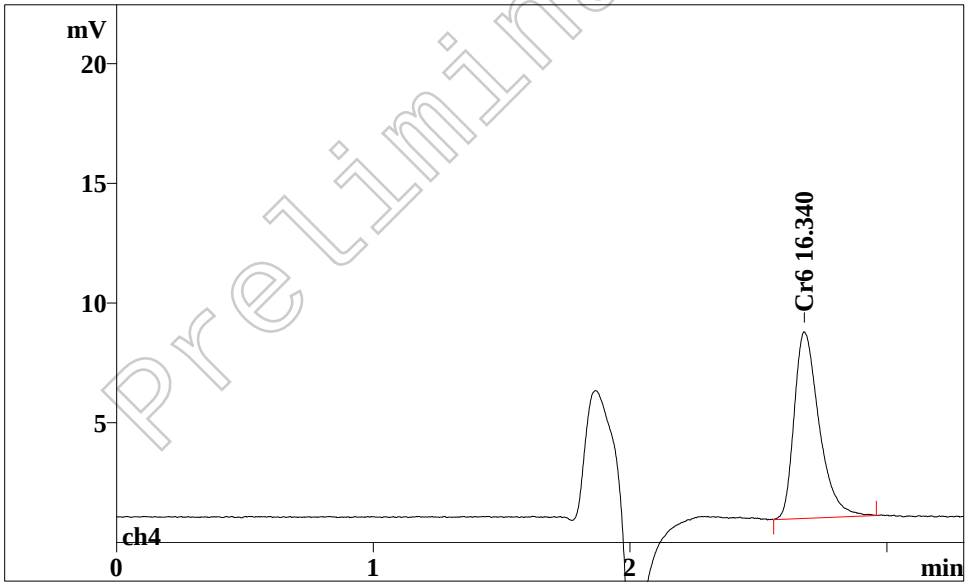
SAMPLE: 100ul loop
:
Vial number: 47
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.68;	0.101;	7.80;	99.98;	52.800;	100.00;	0.00;	0.00;	35

Report date: 11/10/2009 10:05:38 AM
Printed by: TestAmerica - Edison

Ident: 460-6269-A-2-C@10
Analysis from: 11/2/2009 6:37:26 PM
File: tb021837.chw Last save: 11/2/2009 6:40:44 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20911

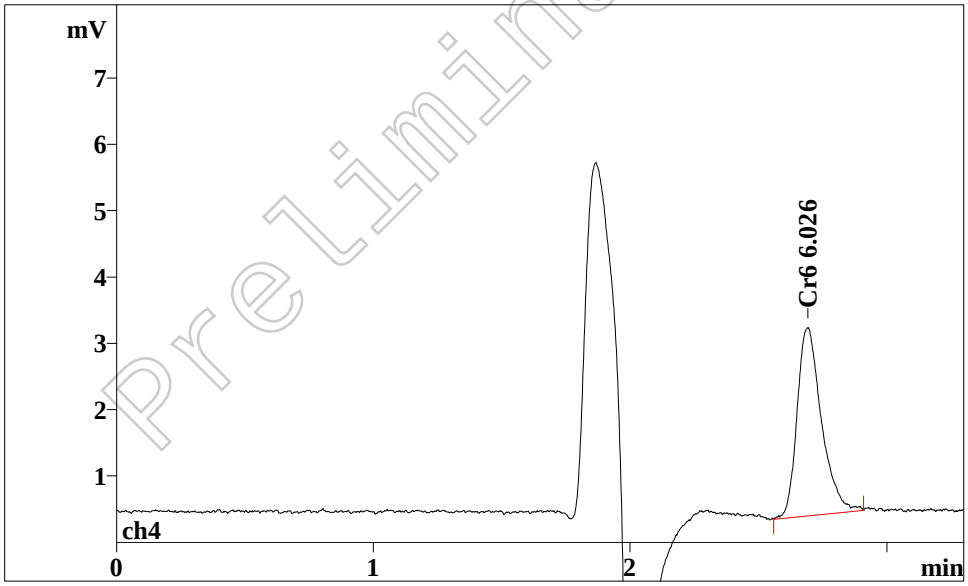
SAMPLE: 100ul loop
:
Vial number: 48
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.098;	2.84;	100.01;	18.786;	100.00;	0.00;	0.00;	37

Report date: 11/10/2009 10:05:41 AM
Printed by: TestAmerica - Edison

Ident: 460-6269-A-2-C@10
Analysis from: 11/2/2009 6:44:38 PM
File: tb021844.chw Last save: 11/2/2009 6:47:56 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20912

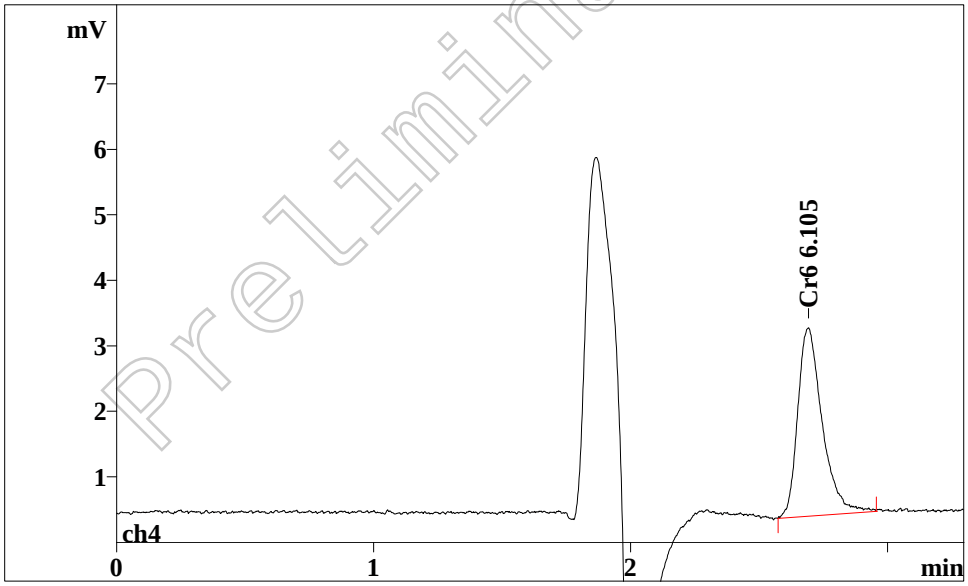
SAMPLE: 100ul loop
:
Vial number: 49
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.098;	2.88;	99.90;	19.045;	100.00;	0.00;	0.00;	37

Report date: 11/10/2009 10:05:44 AM
Printed by: TestAmerica - Edison

Ident: 460-6269-A-3-C@10
Analysis from: 11/2/2009 6:51:51 PM
File: tb021851.chw Last save: 11/2/2009 6:55:09 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20913

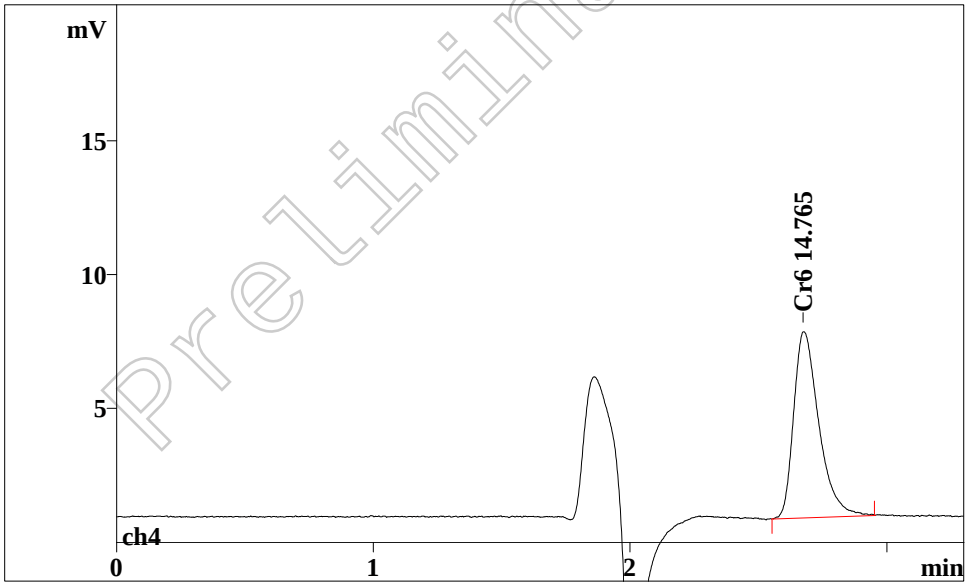
SAMPLE: 100ul loop
:
Vial number: 50
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.68;	0.103;	6.97;	100.06;	47.606;	100.00;	0.00;	0.00;	34

Report date: 11/10/2009 10:05:48 AM
Printed by: TestAmerica - Edison

Ident: 460-6269-A-3-C@10
Analysis from: 11/2/2009 6:59:04 PM
File: tb021859.chw Last save: 11/2/2009 7:02:22 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20914

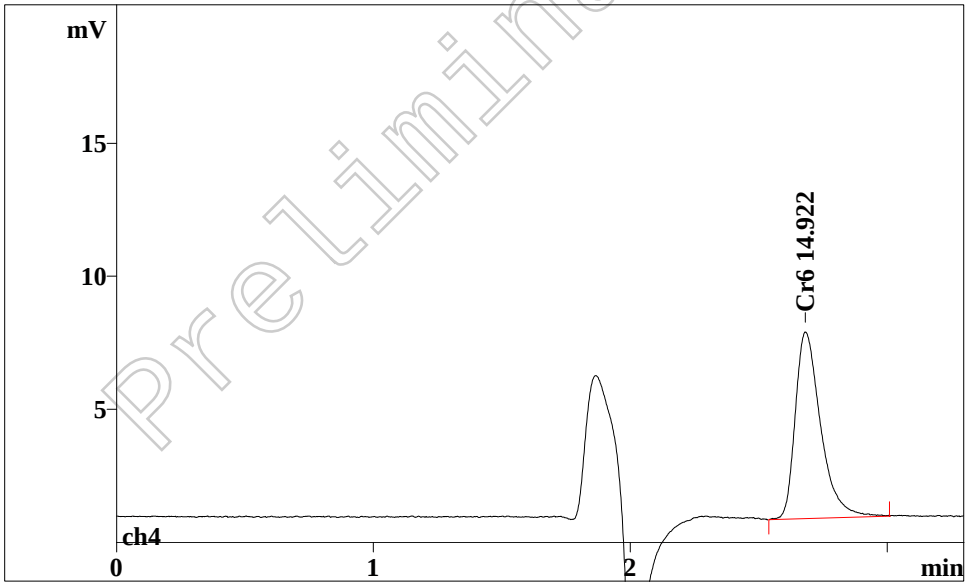
SAMPLE: 100ul loop
:
Vial number: 51
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.68;	0.102;	7.02;	99.89;	48.122;	100.00;	0.00;	0.00;	34

Report date: 11/10/2009 10:05:53 AM
Printed by: TestAmerica - Edison

Ident: 460-6269-A-4-C@10
Analysis from: 11/2/2009 7:06:18 PM
File: tb021906.chw Last save: 11/2/2009 7:09:36 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20915

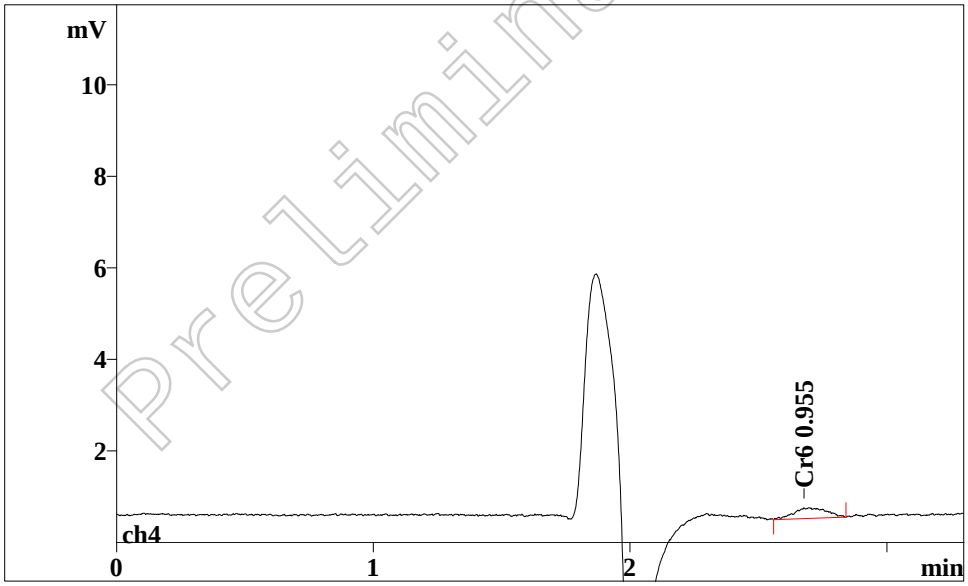
SAMPLE: 100ul loop
:
Vial number: 52
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.68;	0.156;	0.22;	95.32;	2.061;	100.00;	0.00;	0.00;	20

Report date: 11/10/2009 10:05:59 AM
Printed by: TestAmerica - Edison

Ident: 460-6269-A-4-C@10
Analysis from: 11/2/2009 7:13:33 PM
File: tb021913.chw Last save: 11/2/2009 7:16:51 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20916

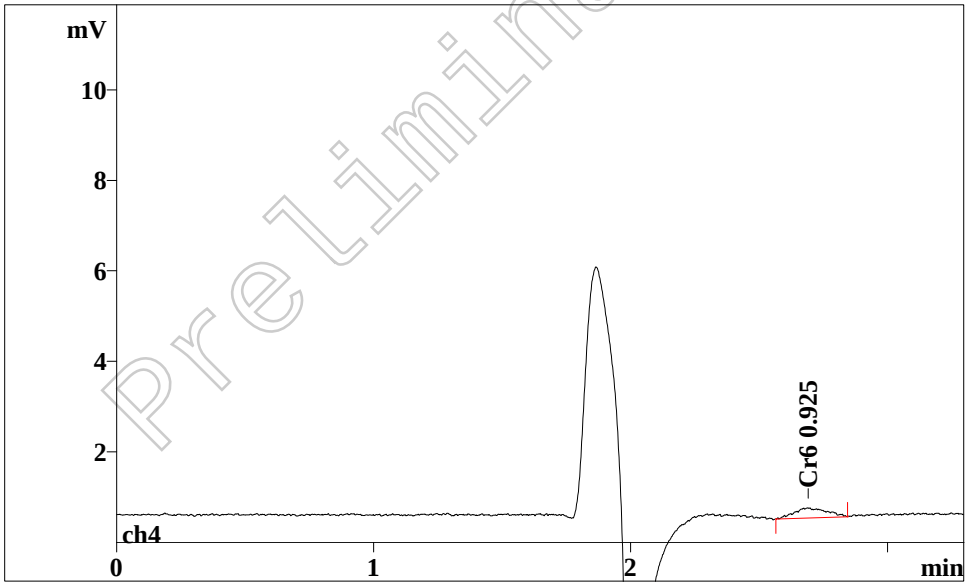
SAMPLE: 100ul loop
:
Vial number: 53
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.142;	0.22;	98.52;	1.962;	100.00;	0.00;	0.00;	21

Report date: 11/10/2009 10:06:05 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 11/2/2009 7:20:48 PM
File: tb021920.chw Last save: 11/2/2009 7:24:06 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20917

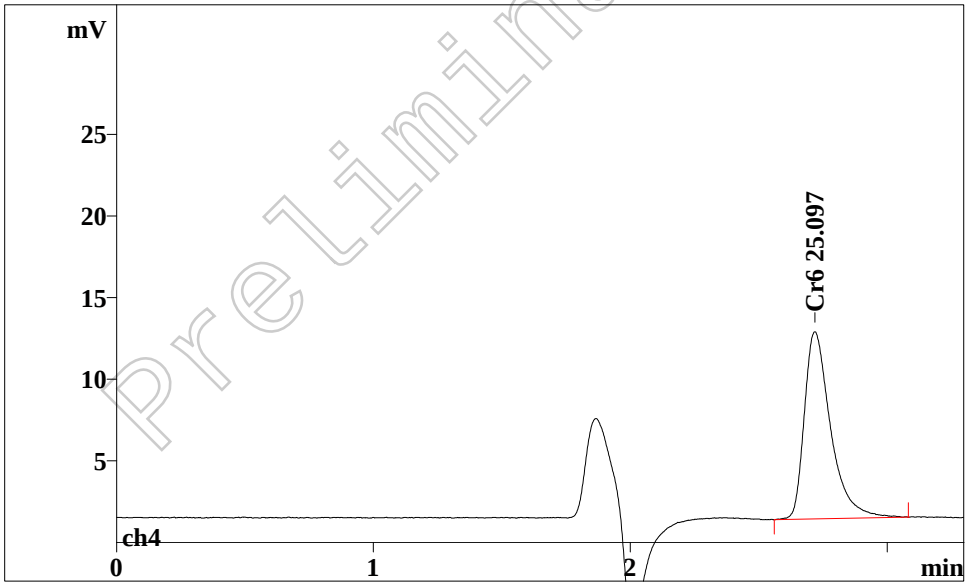
SAMPLE: 100ul loop
:
Vial number: 54
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.104;	11.48;	100.05;	81.677;	100.00;	0.00;	0.00;	32

Report date: 11/10/2009 10:06:17 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 11/2/2009 8:11:55 PM
File: tb022011.chw Last save: 11/2/2009 8:15:13 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20924

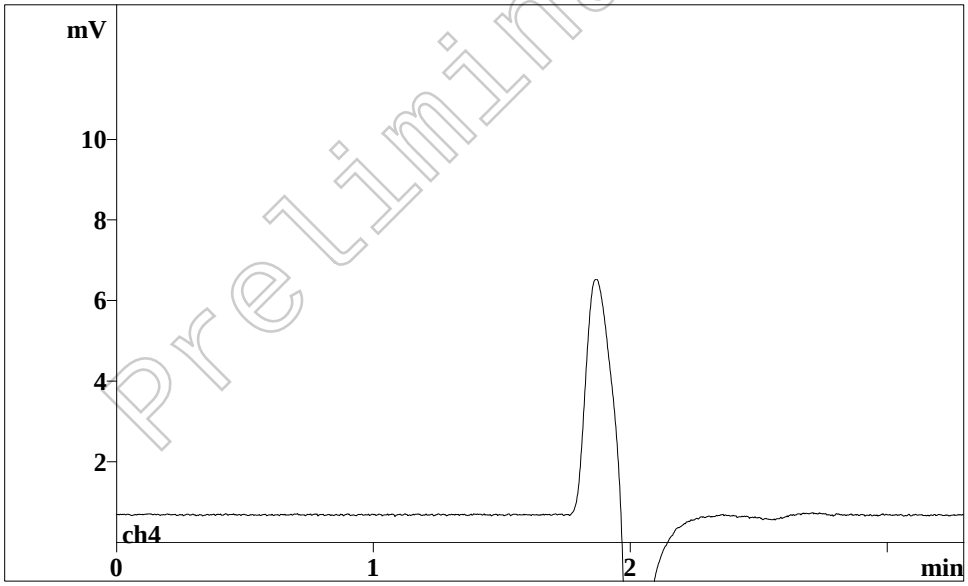
SAMPLE: 100ul loop
:
Vial number: 61
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No peaks

Report date: 11/10/2009 10:06:23 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 11/2/2009 7:28:04 PM
File: tb021928.chw Last save: 11/2/2009 7:31:22 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20918

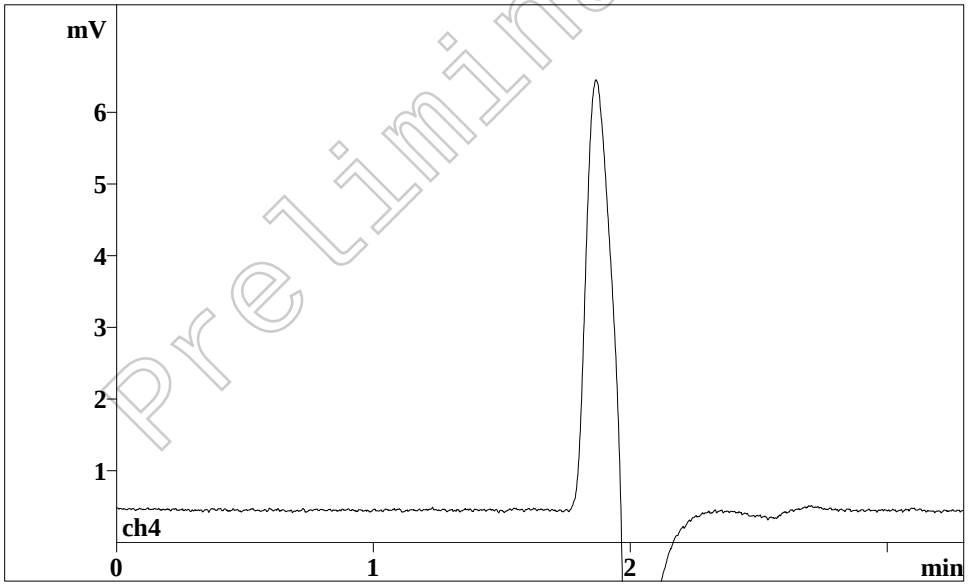
SAMPLE: 100ul loop
:
Vial number: 55
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No peaks

Report date: 11/10/2009 10:06:28 AM
Printed by: TestAmerica - Edison

Ident: 460-6269-A-5-C@10
Analysis from: 11/2/2009 7:35:21 PM
File: tb021935.chw Last save: 11/2/2009 7:38:39 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20919

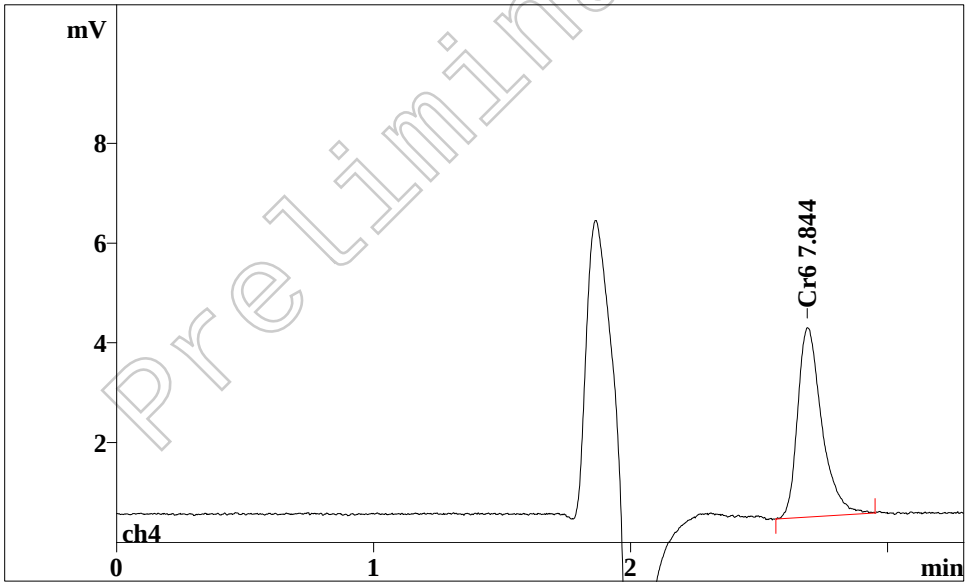
SAMPLE: 100ul loop
:
Vial number: 56
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.096;	3.80;	99.99;	24.781;	100.00;	0.00;	0.00;	38

Report date: 11/10/2009 10:06:32 AM
Printed by: TestAmerica - Edison

Ident: 460-6269-A-5-C@10
Analysis from: 11/2/2009 7:42:38 PM
File: tb021942.chw Last save: 11/2/2009 7:45:56 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20920

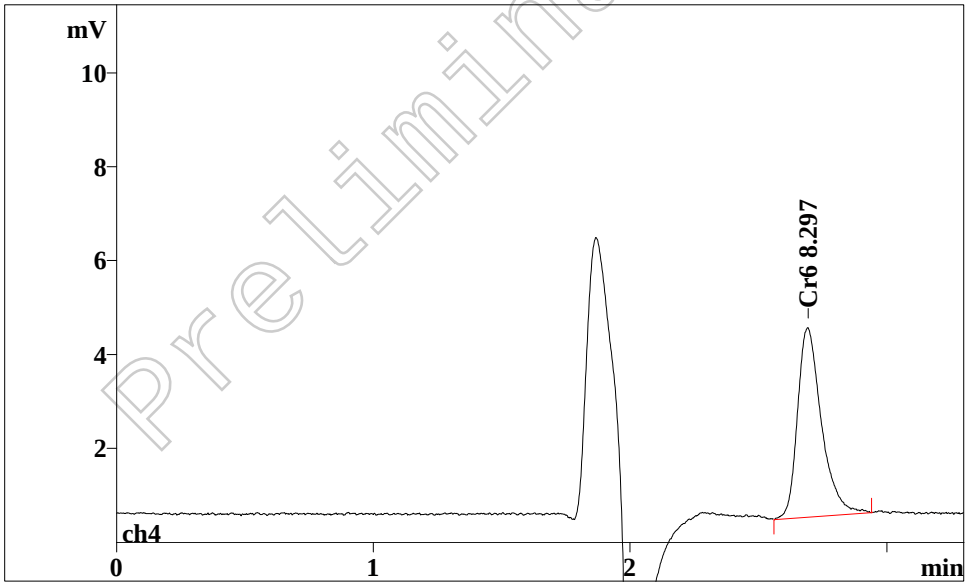
SAMPLE: 100ul loop
:
Vial number: 57
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



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1;	2.69;	0.096;	4.04;	99.98;	26.274;	100.00;	0.00;	0.00;	38

Report date: 11/10/2009 10:06:36 AM
Printed by: TestAmerica - Edison

Ident: 460-6422-A-1-G PDS@40
Analysis from: 11/2/2009 7:49:57 PM
File: tb021949.chw Last save: 11/2/2009 7:53:15 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20921

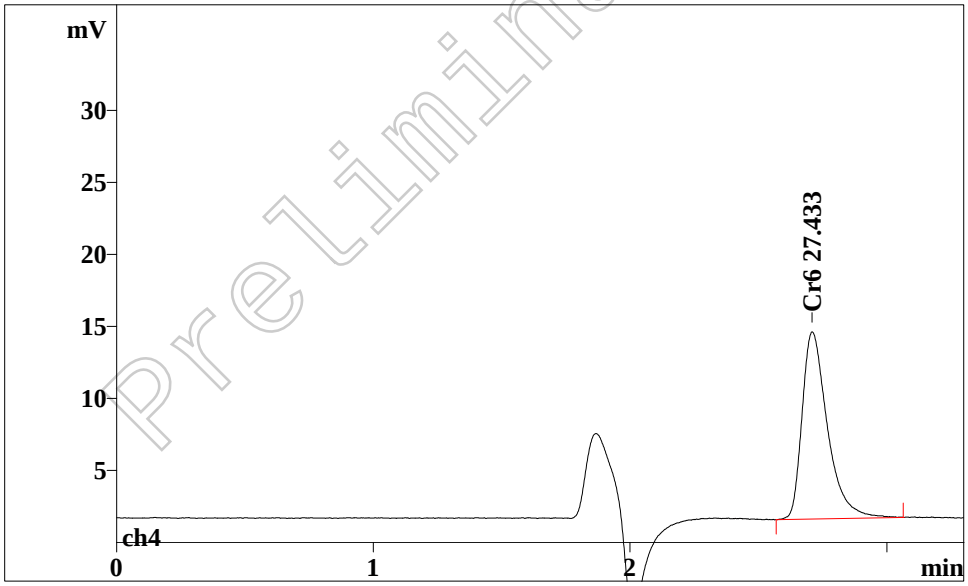
SAMPLE: 100ul loop
:
Vial number: 58
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.101;	13.01;	99.94;	89.382;	100.00;	0.00;	0.00;	35

Report date: 11/10/2009 10:06:42 AM
Printed by: TestAmerica - Edison

Ident: 460-6422-A-1-G PDS@40
Analysis from: 11/2/2009 7:57:16 PM
File: tb021957.chw Last save: 11/2/2009 8:00:34 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20922

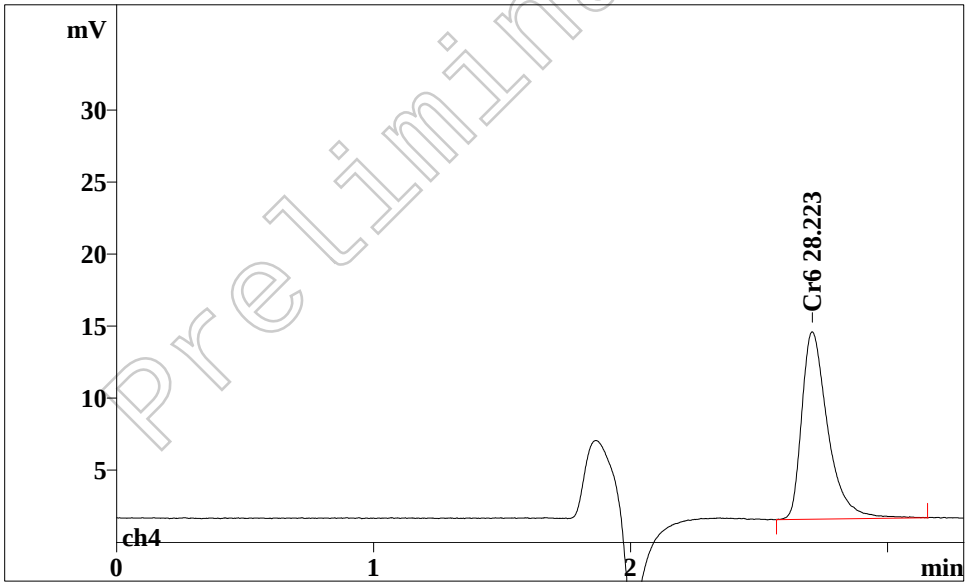
SAMPLE: 100ul loop
:
Vial number: 59
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.103;	13.02;	99.97;	91.987;	100.00;	0.00;	0.00;	33

Report date: 11/10/2009 10:06:46 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 11/2/2009 8:04:35 PM
File: tb022004.chw Last save: 11/2/2009 8:07:53 PM

Method: stl_hexchrome_soil.mtw Last save: 11/2/2009 1:10:42
Run operator: TestAmerica - Edison
Analysis number: 20923

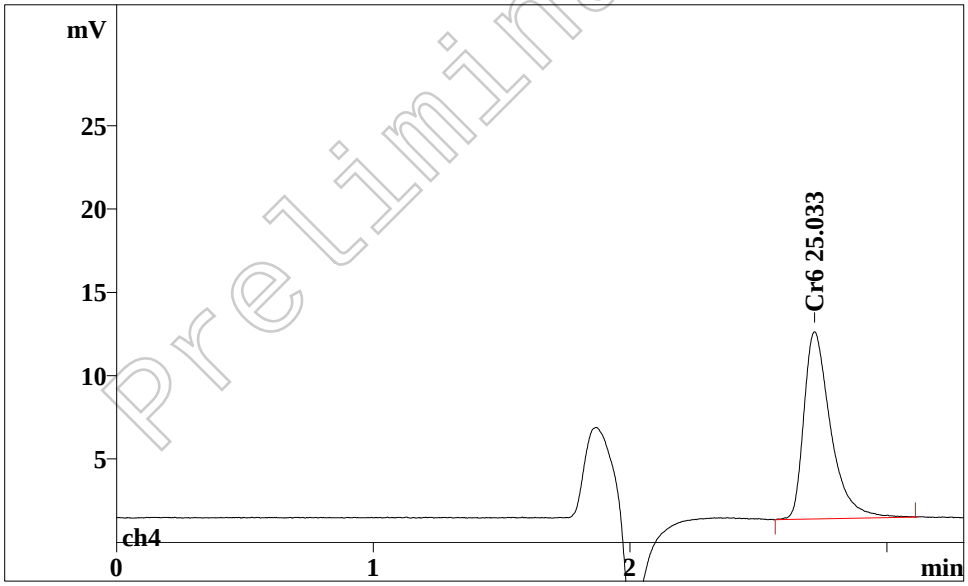
SAMPLE: 100ul loop
:
Vial number: 60
Volume: 1.0 µL
Dilution: 1.00
Amount: 1.0000

COLUMN: A Supp 5-150
Size: 4.6 x 150 mm
Number:
Part.size: 7.0 µm

ELUENT: 66 g (NH4)SO4 / 13ml NH4OH-2L DI

Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.6 MPa

Preliminary Data



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.106;	11.24;	100.03;	81.465;	100.00;	0.00;	0.00;	31

Report date: 11/10/2009 10:07:02 AM
Printed by: TestAmerica - Edison

Ident: 460-6188-A-3-C@50
Analysis from: 10/30/2009 11:00:07 PM
File: ta302300.chw Last save: 11/9/2009 1:35:59 PM

Method: stl_hexchrome_soil.mtw Last save: 10/30/2009 12:55:
Run operator: TestAmerica - Edison
Analysis number: 20837

No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;
1;	2.70;	0.099;	10.66;	100.00;	72.401;	100.00;	0.00;	0.00; 35

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-20072
Method: Moisture
Analyst: Retana, Camille

Date Open: Oct 19 2009 9:42PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Dish ID	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
PB~460-20072/1				230 No Unit	1.02 g	6.79 g	6.79 g
460-6938-A-1	PE106(0-0.5)		T	36 No Unit	1.03 g	6.41 g	5.99 g
460-6938-A-2	Dup2101909		T	218 No Unit	1.05 g	6.22 g	5.84 g
460-6919-A-1	#004 Comp		T	96 No Unit	1.00 g	6.26 g	5.09 g
460-6919-A-2	#005 Comp		T	231 No Unit	1.04 g	6.19 g	5.43 g
460-6940-A-1	A2 East 1		T	167 No Unit	1.01 g	6.75 g	5.72 g
460-6940-A-2	B8 North 1B-S002		T	58 No Unit	0.99 g	6.00 g	5.08 g
460-6940-A-3	B8 South 1 S002		T	110 No Unit	1.03 g	6.13 g	5.03 g
460-6940-A-4	B8 East 1-S002		T	144 No Unit	1.06 g	6.58 g	5.58 g
460-6940-A-5	B8 West 1A-S002		T	226 No Unit	1.03 g	6.63 g	5.54 g
460-6939-A-1	Plat_TP3-101909-0-1		T	70 No Unit	1.03 g	6.05 g	5.15 g
460-6939-A-3	Duplicate-101909-		T	66 No Unit	1.01 g	6.09 g	5.15 g
460-6878-A-1	90263		T	268 No Unit	1.06 g	6.21 g	5.90 g
460-6872-A-2	18A-3 11.5'-12.0'		T	31 No Unit	1.02 g	6.49 g	6.11 g
460-6872-A-3	18A-3 31.0'-31.5'		T	270 No Unit	1.02 g	6.08 g	5.33 g
460-6882-A-1	90264		T	178 No Unit	1.03 g	6.53 g	2.30 g
460-6883-A-1	90266		T	216 No Unit	1.04 g	6.91 g	5.03 g
460-6922-A-4	Grab S4		T	262 No Unit	1.02 g	6.11 g	5.59 g
460-6922-A-5	Grab S5		T	206 No Unit	1.03 g	6.29 g	5.75 g
460-6922-A-6	Grab S6		T	135 No Unit	1.02 g	6.15 g	5.67 g
460-6922-A-6~DU			T	100 No Unit	1.00 g	6.08 g	5.62 g
460-6849-A-1	Carbon		T	176 No Unit	1.03 g	6.26 g	3.75 g
460-6850-A-1	Carbon		T	265 No Unit	1.04 g	6.53 g	6.11 g
460-6851-B-1	Carbon		T	142 No Unit	1.02 g	6.49 g	4.21 g
460-6929-A-1	6-SS-1		T	102 No Unit	1.03 g	6.33 g	5.61 g

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-20072
Method: Moisture
Analyst: Retana, Camille

Date Open: Oct 19 2009 9:42PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Dish ID	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
460-6929-A-2	6-SS-2		T	259 No Unit	1.04 g	6.27 g	5.40 g
460-6929-A-3	6-SS-3		T	198 No Unit	1.03 g	6.48 g	5.70 g
460-6929-A-4	6-SS-4		T	91 No Unit	0.99 g	6.45 g	5.62 g
460-6929-A-5	6-SB-1		T	267 No Unit	1.02 g	6.10 g	5.37 g
460-6929-A-6	6-SB-2		T	189 No Unit	1.05 g	6.45 g	5.54 g
460-6929-A-7	6-SB-3		T	186 No Unit	1.04 g	6.19 g	5.49 g
460-6929-A-8	6-SB-4		T	42 No Unit	1.03 g	6.25 g	5.60 g
460-6929-A-9	6-EF-4		T	46 No Unit	1.02 g	6.38 g	5.63 g
460-6928-A-1	3-SS-1		T	8 No Unit	1.01 g	6.33 g	5.52 g
460-6928-A-2	3-SS-2		T	9 No Unit	1.02 g	6.78 g	5.73 g
460-6928-A-3	3-SS-3		T	10 No Unit	1.04 g	6.35 g	5.39 g
460-6928-A-4	3-SS-4		T	11 No Unit	1.00 g	6.87 g	6.03 g
460-6928-A-5	3-SB-1		T	233 No Unit	1.05 g	6.73 g	5.86 g
460-6928-A-6	3-SB-2		T	221 No Unit	1.02 g	6.38 g	5.75 g
460-6928-A-7	3-SB-3		T	228 No Unit	1.07 g	6.67 g	5.92 g
460-6928-A-7~DU		Moisture	T	190 No Unit	1.02 g	6.64 g	5.93 g
460-6928-A-8	3-SB-4		T	24 No Unit	1.02 g	6.51 g	5.67 g
460-6928-A-9	3-EB-1		T	93 No Unit	1.04 g	6.48 g	5.83 g
460-6927-A-3	DK-SS-3		T	117 No Unit	1.03 g	6.13 g	5.37 g
460-6927-A-4	DK-SS-4		T	202 No Unit	1.03 g	6.88 g	5.99 g
460-6927-A-5	DK-SB-1		T	88 No Unit	1.01 g	6.55 g	5.56 g
460-6927-A-6	DK-SB-2		T	211 No Unit	1.04 g	6.17 g	5.31 g
460-6927-A-7	DK-SB-3		T	83 No Unit	1.03 g	6.31 g	5.43 g
460-6927-A-8	DK-SB-4		T	215 No Unit	1.04 g	6.24 g	5.33 g
460-6927-A-9	DK-BB-1		T	173 No Unit	1.02 g	6.74 g	5.80 g

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-20072
Method: Moisture
Analyst: Retana, Camille

Date Open: Oct 19 2009 9:42PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Dish ID	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
460-6922-A-7	Grab S7		T	201 No Unit	1.05 g	6.44 g	5.93 g
460-6922-A-8	Grab S8		T	57 No Unit	1.01 g	6.06 g	5.70 g
460-6922-A-9	Grab S9		T	59 No Unit	1.03 g	6.43 g	5.96 g
460-6922-A-10	Grab S10		T	212 No Unit	1.04 g	6.68 g	6.06 g
460-6922-A-11	Grab S11		T	50 No Unit	1.01 g	6.34 g	5.84 g
460-6922-A-12	Grab S12		T	64 No Unit	1.02 g	6.49 g	5.94 g
460-6922-A-13	Grab S13		T	264 No Unit	1.05 g	6.45 g	6.05 g
460-6922-A-14	Grab S14		T	28 No Unit	0.98 g	6.79 g	6.30 g
460-6922-A-15	Grab S15			52 No Unit	1.04 g	6.22 g	5.72 g
460-6922-A-16	Grab S16			23 No Unit	1.01 g	6.17 g	5.66 g
460-6922-A-16~DU				179 No Unit	1.06 g	6.45 g	5.96 g
460-6922-A-17	Grab S17			184 No Unit	1.03 g	6.30 g	5.82 g
460-6922-A-18	Grab S18			63 No Unit	1.02 g	6.31 g	5.73 g
460-6927-A-1	DK-SS-1		T	152 No Unit	1.02 g	6.27 g	4.84 g
460-6927-A-2	DK-SS-2		T	72 No Unit	1.05 g	6.29 g	5.34 g
460-6921-A-1	WASTE CHARACTERIZATION SAMPLE 1		T	32 No Unit	1.02 g	6.10 g	5.03 g
460-6921-B-2	WASTE CHARACTERIZATION SAMPLE 2		T	45 No Unit	1.01 g	6.07 g	4.78 g
460-6913-A-1	SS-3		T	172 No Unit	1.03 g	6.65 g	5.67 g
460-6913-A-2	SS-4		T	22 No Unit	1.02 g	6.20 g	5.38 g
460-6913-A-3	SS-2		T	200 No Unit	1.04 g	6.94 g	4.89 g
460-6913-B-4	SS-1		T	183 No Unit	1.03 g	6.27 g	5.17 g
460-6885-A-1	PE-1		T	149 No Unit	1.03 g	6.24 g	5.26 g
460-6885-A-2	PE-2		T	150 No Unit	1.02 g	6.93 g	5.98 g
460-6885-A-3	PE-3		T	82 No Unit	1.01 g	6.26 g	5.40 g
460-6868-D-1	WC-101		T	56 No Unit	0.99 g	6.85 g	6.39 g

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-20072
Method: Moisture
Analyst: Retana, Camille

Date Open: Oct 19 2009 9:42PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Dish ID	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
460-6869-A-1	S-1		T	245 No Unit	1.03 g	6.55 g	5.89 g
460-6874-A-1	RL-1		T	51 No Unit	1.02 g	6.18 g	5.64 g
460-6741-A-17	AB07955	Moisture	T	194 No Unit	1.04 g	6.13 g	5.94 g
460-6741-A-11	AB07949	Moisture	T	199 No Unit	1.10 g	6.31 g	4.38 g
460-6852-B-1	Carbon		T	34 No Unit	1.04 g	6.72 g	4.62 g
460-6852-B-1~DU		Moisture	T	39 No Unit	1.00 g	3.65 g	3.50 g
460-6741-A-16	AB07954	Moisture	T	55 No Unit	1.06 g	4.11 g	3.96 g
460-6741-A-15	AB07953	Moisture	T	44 No Unit	0.98 g	3.86 g	3.77 g
460-6741-A-10	AB07948	Moisture	T	107 No Unit	1.04 g	3.66 g	3.57 g
460-6741-A-12	AB07950	Moisture	T	101 No Unit	1.02 g	3.63 g	3.55 g
460-6741-A-13	AB07951	Moisture	T	76 No Unit	1.04 g	4.18 g	4.08 g
460-6741-A-14	AB07952	Moisture	T	75 No Unit	0.99 g	3.44 g	3.35 g
460-6741-A-9	AB07947	Moisture	T	243 No Unit	1.07 g	3.63 g	3.56 g
460-6741-A-8	AB07946	Moisture	T	224 No Unit	1.03 g	3.58 g	3.51 g
460-6741-A-1	AB07939	Moisture	T	69 No Unit	1.02 g	3.62 g	3.54 g
460-6741-A-2	AB07940	Moisture	T	116 No Unit	1.02 g	3.60 g	3.48 g
460-6741-A-3	AB07941	Moisture	T	35 No Unit	1.02 g	3.83 g	3.77 g
460-6741-A-4	AB07942	Moisture	T	175 No Unit	1.01 g	3.92 g	3.81 g
460-6741-A-5	AB07943	Moisture	T	161 No Unit	1.04 g	4.10 g	3.98 g
460-6741-A-6	AB07944	Moisture	T	139 No Unit	1.03 g	3.88 g	3.76 g
460-6741-A-7	AB07945	Moisture	T	111 No Unit	1.00 g	3.84 g	3.73 g
460-6876-A-13	SB 13		T	127 No Unit	1.05 g	6.70 g	6.35 g
460-6876-A-13~DU			T	119 No Unit	1.03 g	6.13 g	5.81 g
460-6876-E-9	SB 9		T	271 No Unit	1.08 g	6.49 g	6.23 g
460-6876-E-10	SB 10		T	232 No Unit	1.03 g	6.64 g	6.49 g

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-20072
Method: Moisture
Analyst: Retana, Camille

Date Open: Oct 19 2009 9:42PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Dish ID	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
460-6876-E-10~DU			T	95 No Unit	1.07 g	6.11 g	5.97 g
460-6876-E-1	SB 1		T	266 No Unit	1.04 g	6.46 g	6.07 g
460-6879-A-5	RI-5(12-12.5)		T	210 No Unit	1.06 g	5.78 g	4.98 g
460-6879-C-2	RI-2(10.5-11)		T	225 No Unit	1.01 g	6.64 g	6.06 g
460-6879-D-6	RI-6(12-12.5)		T	92 No Unit	1.03 g	5.97 g	5.00 g
460-6879-C-1	RI-1(12-12.5)		T	187 No Unit	1.03 g	6.33 g	5.45 g
460-6879-D-4	RI-3(16-16.5)		T	261 No Unit	1.06 g	6.12 g	5.14 g
460-6931-D-20	SED2-SS01		T	217 No Unit	1.03 g	3.85 g	2.32 g
460-6895-B-6	SB-6		T	203 No Unit	1.03 g	6.30 g	5.95 g
460-6895-B-2	MW-2		T	222 No Unit	1.04 g	6.73 g	6.49 g
460-6879-D-3	RI-3(12-12.5)		T	219 No Unit	1.05 g	6.51 g	5.33 g
460-6895-B-8	SB-8		T	118 No Unit	1.02 g	5.67 g	5.32 g
460-6895-B-1	MW-1		T	47 No Unit	1.05 g	4.47 g	4.27 g
460-6931-D-23	SED5-SS01		T	140 No Unit	1.02 g	6.43 g	5.20 g
460-6931-D-22	SED4-SS01		T	67 No Unit	1.03 g	6.22 g	4.33 g
460-6931-D-25	SED1-SS01D		T	247 No Unit	1.02 g	6.25 g	5.86 g
460-6931-D-19	SED1-SS01		T	74 No Unit	1.00 g	4.41 g	2.32 g
460-6931-D-21	SED3-SS01		T	89 No Unit	1.02 g	7.07 g	6.06 g
460-6895-B-10	SB-10		T	192 No Unit	1.03 g	6.68 g	6.30 g
460-6876-E-5	SB 5		T	103 No Unit	1.03 g	6.28 g	6.13 g
460-6876-E-5~DU			T	168 No Unit	1.04 g	6.15 g	6.01 g
460-6895-B-9	SB-9		T	145 No Unit	1.04 g	6.55 g	6.15 g
460-6895-B-5	MW-5		T	12 No Unit	0.99 g	6.19 g	5.58 g
460-6931-D-24	SED6-SS01		T	295 No Unit	1.03 g	4.81 g	3.03 g
460-6866-A-1	WC-01		T	238 No Unit	1.05 g	6.80 g	5.94 g

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-20072
Method: Moisture
Analyst: Retana, Camille

Date Open: Oct 19 2009 9:42PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Dish ID	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
460-6866-B-1	WC-01		T	81 No Unit	1.06 g	6.21 g	5.42 g
460-6895-B-3	MW-3		T	241 No Unit	1.03 g	6.75 g	6.39 g
460-6895-B-4	MW-4		T	174 No Unit	1.01 g	6.65 g	6.15 g
460-6895-B-7	SB-7		T	235 No Unit	1.04 g	6.16 g	5.84 g
460-6876-E-6	SB 6		T	180 No Unit	1.04 g	6.33 g	6.11 g
460-6876-E-2	SB 2		T	269 No Unit	1.03 g	5.95 g	5.46 g
460-6876-E-4	SB 4		T	234 No Unit	1.05 g	6.90 g	6.66 g
460-6876-E-3	SB 3		T	153 No Unit	1.04 g	6.07 g	5.65 g
460-6876-E-8	SB 8		T	283 No Unit	1.01 g	7.00 g	6.70 g
460-6876-E-12	SB 12		T	229 No Unit	1.03 g	6.55 g	6.28 g
460-6876-E-11	SB 11		T	272 No Unit	1.00 g	6.47 g	5.85 g
460-6942-A-5	SW-2A		T	13 No Unit	1.02 g	3.46 g	3.36 g
460-6942-A-2	SW-1B		T	77 No Unit	1.04 g	3.60 g	3.50 g
460-6942-A-3	SW-1C		T	60 No Unit	1.01 g	6.17 g	5.65 g
460-6876-E-14	SB 14		T	132 No Unit	1.05 g	6.46 g	6.24 g
460-6876-E-14~DU			T	223 No Unit	1.01 g	6.03 g	5.78 g
460-6942-A-4	SW-1D		T	419 No Unit	1.00 g	4.78 g	4.51 g
460-6942-A-12	SW-4B		T	244 No Unit	1.02 g	5.74 g	5.26 g
460-6942-A-13	SW-4C		T	188 No Unit	1.03 g	4.18 g	4.04 g
460-6942-A-11	SW-4A		T	236 No Unit	1.04 g	6.56 g	6.01 g
460-6942-A-10	SW-3C		T	29 No Unit	1.02 g	5.06 g	4.86 g
460-6942-A-9	SW-3B		T	27 No Unit	0.99 g	6.60 g	5.90 g
460-6942-A-8	SW-3A		T	193 No Unit	1.04 g	6.52 g	5.82 g
460-6942-A-6	SW-2B		T	94 No Unit	0.99 g	4.94 g	4.83 g
460-6942-A-7	SW-2C		T	159 No Unit	1.03 g	4.89 g	4.69 g

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-20072
Method: Moisture
Analyst: Retana, Camille

Date Open: Oct 19 2009 9:42PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Dish ID	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
460-6942-A-1	SW-1A		T	112 No Unit	1.01 g	5.21 g	5.00 g
460-6876-E-7	SB 7		T	220 No Unit	1.02 g	6.52 g	6.17 g
460-6876-E-7~DU			T	207 No Unit	1.03 g	6.24 g	5.92 g

Balance ID:	104 No Unit
Date samples were place in the oven:	10/19/09
Time samples were place in the oven:	22:00
Oven Temp when samples are put in oven:	#1 105, #2 103 Degrees C
Date samples were removed from oven:	10/20/2009
Time Samples were removed from oven:	10:00
Oven Temp when samples removed from oven:	#1 104/#2 106 Degrees C
Oven ID:	#1 and #2
ID number of the thermometer:	#1 is 28293 and #2 28456

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-20072
Method: Moisture
Analyst: Retana, Camille

Date Open: Oct 19 2009 9:42PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
PB~460-20072/1				
460-6938-A-1	PE106(0-0.5)		T	
460-6938-A-2	Dup2101909		T	
460-6919-A-1	#004 Comp		T	
460-6919-A-2	#005 Comp		T	
460-6940-A-1	A2 East 1		T	
460-6940-A-2	B8 North 1B-S002		T	
460-6940-A-3	B8 South 1 S002		T	
460-6940-A-4	B8 East 1-S002		T	
460-6940-A-5	B8 West 1A-S002		T	
460-6939-A-1	Plat_TP3-101909-0-1		T	
460-6939-A-3	Duplicate-101909-		T	
460-6878-A-1	90263		T	
460-6872-A-2	18A-3 11.5'-12.0'		T	
460-6872-A-3	18A-3 31.0'-31.5'		T	
460-6882-A-1	90264		T	
460-6883-A-1	90266		T	
460-6922-A-4	Grab S4		T	
460-6922-A-5	Grab S5		T	
460-6922-A-6	Grab S6		T	
460-6922-A-6~DU			T	
460-6849-A-1	Carbon		T	
460-6850-A-1	Carbon		T	
460-6851-B-1	Carbon		T	
460-6929-A-1	6-SS-1		T	

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-20072
Method: Moisture
Analyst: Retana, Camille

Date Open: Oct 19 2009 9:42PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
460-6929-A-2	6-SS-2		T	
460-6929-A-3	6-SS-3		T	
460-6929-A-4	6-SS-4		T	
460-6929-A-5	6-SB-1		T	
460-6929-A-6	6-SB-2		T	
460-6929-A-7	6-SB-3		T	
460-6929-A-8	6-SB-4		T	
460-6929-A-9	6-EF-4		T	
460-6928-A-1	3-SS-1		T	
460-6928-A-2	3-SS-2		T	
460-6928-A-3	3-SS-3		T	
460-6928-A-4	3-SS-4		T	
460-6928-A-5	3-SB-1		T	
460-6928-A-6	3-SB-2		T	
460-6928-A-7	3-SB-3		T	
460-6928-A-7~DU		Moisture	T	
460-6928-A-8	3-SB-4		T	
460-6928-A-9	3-EB-1		T	
460-6927-A-3	DK-SS-3		T	
460-6927-A-4	DK-SS-4		T	
460-6927-A-5	DK-SB-1		T	
460-6927-A-6	DK-SB-2		T	
460-6927-A-7	DK-SB-3		T	
460-6927-A-8	DK-SB-4		T	
460-6927-A-9	DK-BB-1		T	

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-20072
Method: Moisture
Analyst: Retana, Camille

Date Open: Oct 19 2009 9:42PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
460-6922-A-7	Grab S7		T	
460-6922-A-8	Grab S8		T	
460-6922-A-9	Grab S9		T	
460-6922-A-10	Grab S10		T	
460-6922-A-11	Grab S11		T	
460-6922-A-12	Grab S12		T	
460-6922-A-13	Grab S13		T	
460-6922-A-14	Grab S14		T	
460-6922-A-15	Grab S15			
460-6922-A-16	Grab S16			
460-6922-A-16~DU				
460-6922-A-17	Grab S17			
460-6922-A-18	Grab S18			
460-6927-A-1	DK-SS-1		T	
460-6927-A-2	DK-SS-2		T	
460-6921-A-1	WASTE CHARACTERIZATION SAMPLE 1		T	
460-6921-B-2	WASTE CHARACTERIZATION SAMPLE 2		T	
460-6913-A-1	SS-3		T	
460-6913-A-2	SS-4		T	
460-6913-A-3	SS-2		T	
460-6913-B-4	SS-1		T	
460-6885-A-1	PE-1		T	
460-6885-A-2	PE-2		T	
460-6885-A-3	PE-3		T	
460-6868-D-1	WC-101		T	

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-20072
Method: Moisture
Analyst: Retana, Camille

Date Open: Oct 19 2009 9:42PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
460-6869-A-1	S-1		T	
460-6874-A-1	RL-1		T	
460-6741-A-17	AB07955	Moisture	T	
460-6741-A-11	AB07949	Moisture	T	
460-6852-B-1	Carbon		T	
460-6852-B-1~DU		Moisture	T	
460-6741-A-16	AB07954	Moisture	T	
460-6741-A-15	AB07953	Moisture	T	
460-6741-A-10	AB07948	Moisture	T	
460-6741-A-12	AB07950	Moisture	T	
460-6741-A-13	AB07951	Moisture	T	
460-6741-A-14	AB07952	Moisture	T	
460-6741-A-9	AB07947	Moisture	T	
460-6741-A-8	AB07946	Moisture	T	
460-6741-A-1	AB07939	Moisture	T	
460-6741-A-2	AB07940	Moisture	T	
460-6741-A-3	AB07941	Moisture	T	
460-6741-A-4	AB07942	Moisture	T	
460-6741-A-5	AB07943	Moisture	T	
460-6741-A-6	AB07944	Moisture	T	
460-6741-A-7	AB07945	Moisture	T	
460-6876-A-13	SB 13		T	
460-6876-A-13~DU			T	
460-6876-E-9	SB 9		T	
460-6876-E-10	SB 10		T	

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-20072
Method: Moisture
Analyst: Retana, Camille

Date Open: Oct 19 2009 9:42PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
460-6876-E-10~DU			T	
460-6876-E-1	SB 1		T	
460-6879-A-5	RI-5(12-12.5)		T	
460-6879-C-2	RI-2(10.5-11)		T	
460-6879-D-6	RI-6(12-12.5)		T	
460-6879-C-1	RI-1(12-12.5)		T	
460-6879-D-4	RI-3(16-16.5)		T	
460-6931-D-20	SED2-SS01		T	
460-6895-B-6	SB-6		T	
460-6895-B-2	MW-2		T	
460-6879-D-3	RI-3(12-12.5)		T	
460-6895-B-8	SB-8		T	
460-6895-B-1	MW-1		T	
460-6931-D-23	SED5-SS01		T	
460-6931-D-22	SED4-SS01		T	
460-6931-D-25	SED1-SS01D		T	
460-6931-D-19	SED1-SS01		T	
460-6931-D-21	SED3-SS01		T	
460-6895-B-10	SB-10		T	
460-6876-E-5	SB 5		T	
460-6876-E-5~DU			T	
460-6895-B-9	SB-9		T	
460-6895-B-5	MW-5		T	
460-6931-D-24	SED6-SS01		T	
460-6866-A-1	WC-01		T	

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-20072
Method: Moisture
Analyst: Retana, Camille

Date Open: Oct 19 2009 9:42PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
460-6866-B-1	WC-01		T	
460-6895-B-3	MW-3		T	
460-6895-B-4	MW-4		T	
460-6895-B-7	SB-7		T	
460-6876-E-6	SB 6		T	
460-6876-E-2	SB 2		T	
460-6876-E-4	SB 4		T	
460-6876-E-3	SB 3		T	
460-6876-E-8	SB 8		T	
460-6876-E-12	SB 12		T	
460-6876-E-11	SB 11		T	
460-6942-A-5	SW-2A		T	
460-6942-A-2	SW-1B		T	
460-6942-A-3	SW-1C		T	
460-6876-E-14	SB 14		T	
460-6876-E-14~DU			T	
460-6942-A-4	SW-1D		T	
460-6942-A-12	SW-4B		T	
460-6942-A-13	SW-4C		T	
460-6942-A-11	SW-4A		T	
460-6942-A-10	SW-3C		T	
460-6942-A-9	SW-3B		T	
460-6942-A-8	SW-3A		T	
460-6942-A-6	SW-2B		T	
460-6942-A-7	SW-2C		T	

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-20072
Method: Moisture
Analyst: Retana, Camille

Date Open: Oct 19 2009 9:42PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
460-6942-A-1	SW-1A		T	
460-6876-E-7	SB 7		T	
460-6876-E-7~DU			T	

Batch Comment: Job 6741 has limited sample volume

Preliminary Data

Metals Worksheet

Batch Number: 460-20674
Method: 3060A
Analyst: Carlone, John

Date Open: Oct 26 2009 4:38PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	WThcrIM_00006	WThcrPbCr_00002	WThcrsLCS_00008
MB~460-20674/1		3060A, 7199		2.50 g	100 mL			
LCS~460-20674/2		3060A, 7199		2.50 g	100 mL			5.0 mL
LCSI~460-20674/3		3060A, 7199		2.50 g	100 mL		0.011 g	
460-6741-A-1	AB07939	3060A, 7199	T	2.50 g	100 mL			
460-6741-A-1~DU	AB07939	3060A, 7199	T	2.50 g	100 mL			
460-6741-A-1~MS	AB07939	3060A, 7199	T	2.50 g	100 mL	1.0 mL		
460-6741-A-1~MSI		3060A, 7199	T	2.50 g	100 mL		0.011 g	

Magnesium Chloride Vendor: AESAR
Magnesium Chloride Lot Number: K13R006
Potassium Phosphate Buffer Reagent ID: C-5119-09 EXP 12/23/09
Alkaline Digestion Solution Reagent ID: C-5367-09 EXP 11/11/09
Lead Chromate Lot #: 09921LC
Lead Chromate Vendor ID: ALDRICH

Preliminary Data

Metals Worksheet

Batch Number: 460-20674
Method: 3060A
Analyst: Carlone, John

Date Open: Oct 26 2009 4:38PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~460-20674/1		3060A, 7199		
LCS~460-20674/2		3060A, 7199		
LCSI~460-20674/3		3060A, 7199		
460-6741-A-1	AB07939	3060A, 7199	T	
460-6741-A-1~DU	AB07939	3060A, 7199	T	
460-6741-A-1~MS	AB07939	3060A, 7199	T	
460-6741-A-1~MSI		3060A, 7199	T	

Batch Comment:

AFTER 30 MINUTES:

Preliminary Data

Metals Worksheet

Batch Number: 460-20676
Method: 3060A
Analyst: Carlone, John

Date Open: Oct 26 2009 4:51PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	WThcrIM_00006	WThcrPbCr_00002	WThcrsLCS_00008
MB~460-20676/1		3060A, 7199		2.50 g	100 mL			
LCS~460-20676/2		3060A, 7199		2.50 g	100 mL			5.0 mL
LCSI~460-20676/3		3060A, 7199		2.50 g	100 mL		0.011 g	
460-6741-A-2	AB07940	3060A, 7199	T	2.50 g	100 mL			
460-6741-A-2~DU	AB07940	3060A, 7199	T	2.50 g	100 mL			
460-6741-A-2~MS		3060A, 7199	T	2.50 g	100 mL	1.0 mL		
460-6741-A-2~MSI		3060A, 7199	T	2.50 g	100 mL		0.011 g	
460-6741-A-3	AB07941	3060A, 7199	T	2.50 g	100 mL			
460-6741-A-4	AB07942	3060A, 7199	T	2.50 g	100 mL			

Magnesium Chloride Vendor: AESAR
Magnesium Chloride Lot Number: K13R006
Potassium Phosphate Buffer Reagent ID: C-5119-09 EXP 12/23/09
Alkaline Digestion Solution Reagent ID: C-5367-09 EXP 11/11/09
Lead Chromate Lot #: 09921LC
Lead Chromate Vendor ID: ALDRCH

Preliminary Data

Metals Worksheet

Batch Number: 460-20676
Method: 3060A
Analyst: Carlone, John

Date Open: Oct 26 2009 4:51PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~460-20676/1		3060A, 7199		
LCS~460-20676/2		3060A, 7199		
LCSI~460-20676/3		3060A, 7199		
460-6741-A-2	AB07940	3060A, 7199	T	
460-6741-A-2~DU	AB07940	3060A, 7199	T	
460-6741-A-2~MS		3060A, 7199	T	
460-6741-A-2~MSI		3060A, 7199	T	
460-6741-A-3	AB07941	3060A, 7199	T	
460-6741-A-4	AB07942	3060A, 7199	T	

Batch Comment:

AFTER 30 MINUTES:

Preliminary Data

Metals Worksheet

Batch Number: 460-20678
Method: 3060A
Analyst: Carlone, John

Date Open: Oct 26 2009 4:56PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	WThcrIM_00006	WThcrPbCr_00002	WThcrsLCS_00008
MB~460-20678/1		3060A, 7199		2.50 g	100 mL			
LCS~460-20678/2		3060A, 7199		2.50 g	100 mL			5.0 mL
LCSI~460-20678/3		3060A, 7199		2.50 g	100 mL		0.011 g	
460-6741-A-5	AB07943	3060A, 7199	T	2.50 g	100 mL			
460-6741-A-5~DU	AB07943	3060A, 7199	T	2.50 g	100 mL			
460-6741-A-5~MS		3060A, 7199	T	2.50 g	100 mL	1.0 mL		
460-6741-A-5~MSI		3060A, 7199	T	2.50 g	100 mL		0.011 g	

Magnesium Chloride Vendor: aesar
Magnesium Chloride Lot Number: K13R006
Potassium Phosphate Buffer Reagent ID: C-5119-09 EXP 12/23/09
Alkaline Digestion Solution Reagent ID: C-5367-09 EXP 11/11/09
Lead Chromate Lot #: 09921LC
Lead Chromate Vendor ID: ALDRICH

Preliminary Data

Metals Worksheet

Batch Number: 460-20678
Method: 3060A
Analyst: Carlone, John

Date Open: Oct 26 2009 4:56PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~460-20678/1		3060A, 7199		
LCS~460-20678/2		3060A, 7199		
LCSI~460-20678/3		3060A, 7199		
460-6741-A-5	AB07943	3060A, 7199	T	
460-6741-A-5~DU	AB07943	3060A, 7199	T	
460-6741-A-5~MS		3060A, 7199	T	
460-6741-A-5~MSI		3060A, 7199	T	

Batch Comment:

AFTER 30 MINUTES:

Preliminary Data

Metals Worksheet

Batch Number: 460-20679
Method: 3060A
Analyst: Carlone, John

Date Open: Oct 26 2009 5:00PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	WThcrIM_00006	WThcrPbCr_00002	WThcrsLCS_00008
MB~460-20679/1		3060A, 7199		2.50 g	100 mL			
LCS~460-20679/2		3060A, 7199		2.50 g	100 mL			5.0 mL
LCSI~460-20679/3		3060A, 7199		2.50 g	100 mL		0.011 g	
460-6741-A-6	AB07944	3060A, 7199	T	2.50 g	100 mL			
460-6741-A-6~DU	AB07944	3060A, 7199	T	2.50 g	100 mL			
460-6741-A-6~MS	AB07944	3060A, 7199	T	2.50 g	100 mL	1.0 mL		
460-6741-A-6~MSI		3060A, 7199	T	2.50 g	100 mL		0.011 g	
460-6741-A-7	AB07945	3060A, 7199	T	2.50 g	100 mL			

Magnesium Chloride Vendor: AESAR
Magnesium Chloride Lot Number: K13R006
Potassium Phosphate Buffer Reagent ID: C-5119-09 EXP 12/23/09
Alkaline Digestion Solution Reagent ID: C-5367-09 EXP 11/11/09
Lead Chromate Lot #: 09921LC
Lead Chromate Vendor ID: ALDRICH

Preliminary Data

Metals Worksheet

Batch Number: 460-20679
Method: 3060A
Analyst: Carlone, John

Date Open: Oct 26 2009 5:00PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~460-20679/1		3060A, 7199		
LCS~460-20679/2		3060A, 7199		
LCSI~460-20679/3		3060A, 7199		
460-6741-A-6	AB07944	3060A, 7199	T	
460-6741-A-6~DU	AB07944	3060A, 7199	T	
460-6741-A-6~MS	AB07944	3060A, 7199	T	
460-6741-A-6~MSI		3060A, 7199	T	
460-6741-A-7	AB07945	3060A, 7199	T	

Batch Comment:

AFTER 30 MINUTES:

Preliminary Data

Metals Worksheet

Batch Number: 460-20680
Method: 3060A
Analyst: Carlone, John

Date Open: Oct 26 2009 5:04PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	WThcrIM_00006	WThcrPbCr_00002	WThcrsLCS_00008
MB~460-20680/1		3060A, 7199		2.50 g	100 mL			
LCS~460-20680/2		3060A, 7199		2.50 g	100 mL			5.0 mL
LCSI~460-20680/3		3060A, 7199		2.50 g	100 mL		0.011 g	
460-6741-A-8	AB07946	3060A, 7199	T	2.50 g	100 mL			
460-6741-A-8~DU	AB07946	3060A, 7199	T	2.50 g	100 mL			
460-6741-A-8~MS		3060A, 7199	T	2.50 g	100 mL	1.0 mL		
460-6741-A-8~MSI		3060A, 7199	T	2.50 g	100 mL		0.011 g	
460-6741-A-9	AB07947	3060A, 7199	T	2.50 g	100 mL			
460-6741-A-10	AB07948	3060A, 7199	T	2.50 g	100 mL			

Magnesium Chloride Vendor: AESAR
Magnesium Chloride Lot Number: K13R006
Potassium Phosphate Buffer Reagent ID: C-5119-09 EXP 12/23/09
Alkaline Digestion Solution Reagent ID: C-5367-09 EXP 11/11/09
Lead Chromate Lot #: 09921LC
Lead Chromate Vendor ID: ALDRICH

Preliminary Data

Metals Worksheet

Batch Number: 460-20680
Method: 3060A
Analyst: Carlone, John

Date Open: Oct 26 2009 5:04PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~460-20680/1		3060A, 7199		
LCS~460-20680/2		3060A, 7199		
LCSI~460-20680/3		3060A, 7199		
460-6741-A-8	AB07946	3060A, 7199	T	
460-6741-A-8~DU	AB07946	3060A, 7199	T	
460-6741-A-8~MS		3060A, 7199	T	
460-6741-A-8~MSI		3060A, 7199	T	
460-6741-A-9	AB07947	3060A, 7199	T	
460-6741-A-10	AB07948	3060A, 7199	T	

Batch Comment:

AFTER 30 MINUTES:

Preliminary Data

Metals Worksheet

Batch Number: 460-20681
Method: 3060A
Analyst: Carlone, John

Date Open: Oct 26 2009 5:08PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	WThcrIM_00006	WThcrPbCr_00002	WThcrsLCS_00008
MB~460-20681/1		3060A, 7199		2.50 g	100 mL			
LCS~460-20681/2		3060A, 7199		2.50 g	100 mL			5.0 mL
LCSI~460-20681/3		3060A, 7199		2.50 g	100 mL		0.011 g	
460-6741-A-11	AB07949	3060A, 7199	T	2.50 g	100 mL			
460-6741-A-11~DU	AB07949	3060A, 7199	T	2.50 g	100 mL			
460-6741-A-11~MS	AB07949	3060A, 7199	T	2.50 g	100 mL	1.0 mL		
460-6741-A-11~MSI		3060A, 7199	T	2.50 g	100 mL		0.011 g	
460-6741-A-12	AB07950	3060A, 7199	T	2.50 g	100 mL			
460-6741-A-13	AB07951	3060A, 7199	T	2.50 g	100 mL			

Magnesium Chloride Vendor: aesar
Magnesium Chloride Lot Number: k13r006
Potassium Phosphate Buffer Reagent ID: c-5119-09 exp 12/23/09
Alkaline Digestion Solution Reagent ID: c-5367-09 exp 11/11/09
Lead Chromate Lot #: 09921lc
Lead Chromate Vendor ID: aldrich

Preliminary Data

Metals Worksheet

Batch Number: 460-20681
Method: 3060A
Analyst: Carlone, John

Date Open: Oct 26 2009 5:08PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~460-20681/1		3060A, 7199		
LCS~460-20681/2		3060A, 7199		
LCSI~460-20681/3		3060A, 7199		
460-6741-A-11	AB07949	3060A, 7199	T	
460-6741-A-11~DU	AB07949	3060A, 7199	T	
460-6741-A-11~MS	AB07949	3060A, 7199	T	
460-6741-A-11~MSI		3060A, 7199	T	
460-6741-A-12	AB07950	3060A, 7199	T	
460-6741-A-13	AB07951	3060A, 7199	T	

Batch Comment: after 30 minutes:

Preliminary Data

Metals Worksheet

Batch Number: 460-20682
Method: 3060A
Analyst: Carlone, John

Date Open: Oct 26 2009 5:13PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	WThcrIM_00006	WThcrPbCr_00002	WThcrsLCS_00008
MB~460-20682/1		3060A, 7199		2.50 g	100 mL			
LCS~460-20682/2		3060A, 7199		2.50 g	100 mL			5.0 mL
LCSI~460-20682/3		3060A, 7199		2.50 g	100 mL		0.011 g	
460-6741-A-14	AB07952	3060A, 7199	T	2.50 g	100 mL			
460-6741-A-14~DU	AB07952	3060A, 7199	T	2.50 g	100 mL			
460-6741-A-14~MS		3060A, 7199	T	2.50 g	100 mL	1.0 mL		
460-6741-A-14~MSI		3060A, 7199	T	2.50 g	100 mL		0.011 g	

Magnesium Chloride Vendor: AESAR
Magnesium Chloride Lot Number: K13R006
Potassium Phosphate Buffer Reagent ID: C-5119-09 EXP 12/23/09
Alkaline Digestion Solution Reagent ID: C-5367-09 EXP 11/11/09
Lead Chromate Lot #: 09921LC
Lead Chromate Vendor ID: ALDRICH

Preliminary Data

Metals Worksheet

Batch Number: 460-20682
Method: 3060A
Analyst: Carlone, John

Date Open: Oct 26 2009 5:13PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~460-20682/1		3060A, 7199		
LCS~460-20682/2		3060A, 7199		
LCSI~460-20682/3		3060A, 7199		
460-6741-A-14	AB07952	3060A, 7199	T	
460-6741-A-14~DU	AB07952	3060A, 7199	T	
460-6741-A-14~MS		3060A, 7199	T	
460-6741-A-14~MSI		3060A, 7199	T	

Batch Comment:

AFTER 30 MINUTES:

Preliminary Data

Metals Worksheet

Batch Number: 460-20683
Method: 3060A
Analyst: Carlone, John

Date Open: Oct 26 2009 5:16PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	WThcrIM_00006	WThcrPbCr_00002	WThcrsLCS_00008
MB~460-20683/1		3060A, 7199		2.50 g	100 mL			
LCS~460-20683/2		3060A, 7199		2.50 g	100 mL			5.0 mL
LCSI~460-20683/3		3060A, 7199		2.50 g	100 mL		0.011 g	
460-6741-A-15	AB07953	3060A, 7199	T	2.50 g	100 mL			
460-6741-A-15~DU	AB07953	3060A, 7199	T	2.50 g	100 mL			
460-6741-A-15~MS		3060A, 7199	T	2.50 g	100 mL	1.0 mL		
460-6741-A-15~MSI		3060A, 7199	T	2.50 g	100 mL		0.011 g	
460-6741-A-16	AB07954	3060A, 7199	T	2.50 g	100 mL			

Magnesium Chloride Vendor: AESAR
Magnesium Chloride Lot Number: K13R006
Potassium Phosphate Buffer Reagent ID: C-5119-09 EXP 12/23/09
Alkaline Digestion Solution Reagent ID: C-5367-09 EXP 11/11/09
Lead Chromate Lot #: 09921LC
Lead Chromate Vendor ID: ALDRICH

Preliminary Data

Metals Worksheet

Batch Number: 460-20683
Method: 3060A
Analyst: Carlone, John

Date Open: Oct 26 2009 5:16PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~460-20683/1		3060A, 7199		
LCS~460-20683/2		3060A, 7199		
LCSI~460-20683/3		3060A, 7199		
460-6741-A-15	AB07953	3060A, 7199	T	
460-6741-A-15~DU	AB07953	3060A, 7199	T	
460-6741-A-15~MS		3060A, 7199	T	
460-6741-A-15~MSI		3060A, 7199	T	
460-6741-A-16	AB07954	3060A, 7199	T	

Batch Comment: AFTER 30 MINUTES:

Preliminary Data

Metals Worksheet

Batch Number: 460-20684
Method: 3060A
Analyst: Carlone, John

Date Open: Oct 26 2009 5:23PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	WThcrIM_00006	WThcrPbCr_00002	WThcrsLCS_00008
MB~460-20684/1		3060A, 7199		2.50 g	100 mL			
LCS~460-20684/2		3060A, 7199		2.50 g	100 mL			5.0 mL
LCSI~460-20684/3		3060A, 7199		2.50 g	100 mL		0.011 g	
460-6741-A-17	AB07955	3060A, 7199	T	2.50 g	100 mL			
460-6741-A-17~DU	AB07955	3060A, 7199	T	2.50 g	100 mL			
460-6741-A-17~MS		3060A, 7199	T	2.50 g	100 mL	1.0 mL		
460-6741-A-17~MSI		3060A, 7199	T	2.50 g	100 mL		0.011 g	

Magnesium Chloride Vendor:	AESAR
Magnesium Chloride Lot Number:	K13R006
Potassium Phosphate Buffer Reagent ID:	C-5119-09 EXP 12/23/09
Alkaline Digestion Solution Reagent ID:	C-5367-09 EXP 11/11/09
Lead Chromate Lot #:	09921LC
Lead Chromate Vendor ID:	ALDRICH
First Start time:	1720
Starting Temperature:	90.2 Celsius
First End time:	1820
Ending Temperature:	92.0 Celsius

Preliminary Data

Metals Worksheet

Batch Number: 460-20684
Method: 3060A
Analyst: Carlone, John

Date Open: Oct 26 2009 5:23PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~460-20684/1		3060A, 7199		
LCS~460-20684/2		3060A, 7199		
LCSI~460-20684/3		3060A, 7199		
460-6741-A-17	AB07955	3060A, 7199	T	
460-6741-A-17~DU	AB07955	3060A, 7199	T	
460-6741-A-17~MS		3060A, 7199	T	
460-6741-A-17~MSI		3060A, 7199	T	

Batch Comment: AFTER 30 MINUTES: 92.0

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-22883
Method: 7199
Analyst: Earomirski, Laura

Date Open: Oct 27 2009 4:53PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	Initial pH	WThcrIM5_00061	WThcrIM6_00060
0~ppb							
5~ppb							
10~ppb							
25~ppb							
50~ppb							
ICV~460-22883/6		7199		100 mL			2.5 mL
ICB~460-22883/7		7199					
MB~460-20674/1-A~^2		7199			9.41		
MB~460-20674/1-A~^2					9.41		
LCS~460-20674/2-A~^25					9.36		
LCS~460-20674/2-A~^25		7199			9.36		
LCSI~460-20674/3-A~^500					9.41		
LCSI~460-20674/3-A~^500		7199			9.41		
460-6741-A-1-A~^2	AB07939	7199	T		9.27		
460-6741-A-1-A~^2	AB07939		T		9.27		
460-6741-A-1-B~DU~^2	AB07939		T		9.26		
460-6741-A-1-B~DU~^2	AB07939	7199	T		9.26		
CCV~460-22883/18		7199		100 mL			2.5 mL
CCB~460-22883/19		7199					
460-6741-A-1-C~MS~^40	AB07939		T		9.32		
460-6741-A-1-C~MS~^40	AB07939	7199	T		9.32		
460-6741-A-1-D~MSI~^500			T		9.26		
460-6741-A-1-D~MSI~^500		7199	T		9.26		
460-6741-A-1-A~PDS~^40			T	50 mL	9.27	1.25 mL	
460-6741-A-1-A~PDS~^40		7199	T	50 mL	9.27	1.25 mL	

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-22883
Method: 7199
Analyst: Earomirski, Laura

Date Open: Oct 27 2009 4:53PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	Initial pH	WThcrIM5_00061	WThcrIM6_00060
MB~460-20676/1-A~^2					9.41		
MB~460-20676/1-A~^2		7199			9.41		
LCS~460-20676/2-A~^25		7199			9.36		
LCS~460-20676/2-A~^25					9.36		
CCV~460-22883/30		7199		100 mL			2.5 mL
CCB~460-22883/31		7199					
LCSI~460-20676/3-A~^500					9.41		
LCSI~460-20676/3-A~^500		7199			9.41		
460-6741-A-2-A~^2	AB07940	7199	T		9.12		
460-6741-A-2-A~^2	AB07940		T		9.12		
460-6741-A-2-B~DU~^2	AB07940	7199	T		9.17		
460-6741-A-2-B~DU~^2	AB07940	7199	T		9.17		
460-6741-A-2-C~MS~^40		7199	T		9.29		
460-6741-A-2-C~MS~^40			T		9.29		
460-6741-A-2-D~MSI~^500		7199	T		9.30		
460-6741-A-2-D~MSI~^500			T		9.30		
CCV~460-22883/42		7199		100 mL			2.5 mL
CCB~460-22883/43		7199					
460-6741-A-3-A~^2	AB07941	7199	T		9.45		
460-6741-A-3-A~^2	AB07941		T		9.45		
460-6741-A-4-A~^2	AB07942	7199	T		9.48		
460-6741-A-4-A~^2	AB07942		T		9.48		
460-6741-A-2-A~PDS~^40		7199	T	50 mL	9.12	1.25 mL	
460-6741-A-2-A~PDS~^40			T	50 mL	9.12	1.25 mL	
MB~460-20678/1-A~^2		7199			9.41		

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-22883
Method: 7199
Analyst: Earomirski, Laura

Date Open: Oct 27 2009 4:53PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	Initial pH	WThcrIM5_00061	WThcrIM6_00060
MB~460-20678/1-A~^2					9.41		
LCS~460-20678/2-A~^25					9.36		
LCS~460-20678/2-A~^25		7199			9.36		
CCV~460-22883/54		7199		100 mL			2.5 mL
CCB~460-22883/55		7199					
LCSI~460-20678/3-A~^500					9.41		
LCSI~460-20678/3-A~^500		7199			9.41		
460-6741-A-5-A~^2	AB07943	7199	T		9.22		
460-6741-A-5-A~^2	AB07943		T		9.22		
460-6741-A-5-B~DU~^2	AB07943	7199	T		9.35		
460-6741-A-5-B~DU~^2	AB07943		T		9.35		
460-6741-A-5-C~MS~^40			T		9.30		
460-6741-A-5-C~MS~^40		7199	T		9.30		
460-6741-A-5-D~MSI~^500			T		9.36		
460-6741-A-5-D~MSI~^500		7199	T		9.36		
CCV~460-22883/66		7199		100 mL			2.5 mL
CCB~460-22883/67		7199					
460-6741-A-5-A~PDS~^40			T	50 mL	9.22	1.25 mL	
460-6741-A-5-A~PDS~^40		7199	T	50 mL	9.22	1.25 mL	
MB~460-20679/1-A~^2		7199			9.41		
MB~460-20679/1-A~^2					9.41		
LCS~460-20679/2-A~^25					9.36		
LCS~460-20679/2-A~^25		7199			9.36		
LCSI~460-20679/3-A~^500		7199			9.41		
LCSI~460-20679/3-A~^500					9.41		

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-22883
Method: 7199
Analyst: Earomirski, Laura

Date Open: Oct 27 2009 4:53PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	Initial pH	WThcrIM5_00061	WThcrIM6_00060
460-6741-A-6-A~^2	AB07944	7199	T		9.24		
460-6741-A-6-A~^2	AB07944		T		9.24		
CCV~460-22883/78		7199		100 mL			2.5 mL
CCB~460-22883/79		7199					
460-6741-A-6-B~DU~^2	AB07944		T		9.41		
460-6741-A-6-B~DU~^2	AB07944	7199	T		9.41		
460-6741-A-6-C~MS~^40	AB07944		T		9.42		
460-6741-A-6-C~MS~^40	AB07944	7199	T		9.42		
460-6741-A-6-D~MSI~^500		7199	T		9.47		
460-6741-A-6-D~MSI~^500			T		9.47		
460-6741-A-7-A~^2	AB07945	7199	T		9.17		
460-6741-A-7-A~^2	AB07945		T		9.17		
460-6741-A-6-A~PDS~^40			T	50 mL	9.24	1.25 mL	
460-6741-A-6-A~PDS~^40		7199	T	50 mL	9.24	1.25 mL	
CCV~460-22883/90		7199		100 mL			2.5 mL
CCB~460-22883/91		7199					
MB~460-20680/1-A~^2		7199			9.41		
MB~460-20680/1-A~^2					9.41		
LCS~460-20680/2-A~^25					9.36		
LCS~460-20680/2-A~^25		7199			9.36		
LCSI~460-20680/3-A~^500		7199			9.41		
LCSI~460-20680/3-A~^500					9.41		
460-6741-A-8-A~^2	AB07946	7199	T		9.33		
460-6741-A-8-A~^2	AB07946		T		9.33		
460-6741-A-8-B~DU~^2	AB07946		T		9.40		

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-22883
Method: 7199
Analyst: Earomirski, Laura

Date Open: Oct 27 2009 4:53PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	Initial pH	WThcrIM5_00061	WThcrIM6_00060
460-6741-A-8-B~DU~^2	AB07946	7199	T		9.40		
CCV~460-22883/102		7199		100 mL			2.5 mL
CCB~460-22883/103		7199					
460-6741-A-8-C~MS~^40			T		9.22		
460-6741-A-8-C~MS~^40		7199	T		9.22		
460-6741-A-8-D~MSI~^500			T		9.29		
460-6741-A-8-D~MSI~^500		7199	T		9.29		
460-6741-A-9-A~^2	AB07947		T		9.35		
460-6741-A-9-A~^2	AB07947	7199	T		9.35		
460-6741-A-10-A~^2	AB07948	7199	T		9.11		
460-6741-A-10-A~^2	AB07948		T		9.11		
460-6741-A-8-A~PDS~^40			T	50 mL	9.33	1.25 mL	
460-6741-A-8-A~PDS~^40		7199	T	50 mL	9.33	1.25 mL	
CCV~460-22883/114		7199		100 mL			2.5 mL
CCB~460-22883/115		7199					
MB~460-20681/1-A~^2					9.41		
MB~460-20681/1-A~^2		7199			9.41		
LCS~460-20681/2-A~^25					9.36		
LCS~460-20681/2-A~^25		7199			9.36		
LCSI~460-20681/3-A~^500		7199			9.41		
LCSI~460-20681/3-A~^500					9.41		
460-6741-A-11-A~^2	AB07949	7199	T		9.42		
460-6741-A-11-A~^2	AB07949		T		9.42		
460-6741-A-11-B~DU~^2	AB07949	7199	T		9.19		
460-6741-A-11-B~DU~^2	AB07949		T		9.19		

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-22883
Method: 7199
Analyst: Earomirski, Laura

Date Open: Oct 27 2009 4:53PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	Initial pH	WThcrIM5_00061	WThcrIM6_00060
CCV~460-22883/126		7199		100 mL			2.5 mL

Filter Lot #: Nalgene Lot# 1000360
Buffer Lot #: 0604-09 exp: 2/18/10
pH Meter ID: D
Eluent 1 Lot: 0635-09 exp: 11/3/09
Post Column Reagent Lot: 0634-09 exp: 11/1/09

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-22883
Method: 7199
Analyst: Earomirski, Laura

Date Open: Oct 27 2009 4:53PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
0~ppb				
5~ppb				
10~ppb				
25~ppb				
50~ppb				
ICV~460-22883/6		7199		All samples run in duplicate as per the method. Higher result reported, lower result rejected.
ICB~460-22883/7		7199		Initial pH= pH (in SU between 9 and 9.5) after adjustment with 1:1 HNO3
MB~460-20674/1-A~^2		7199		All digestates are dark brown in color
MB~460-20674/1-A~^2				
LCS~460-20674/2-A~^25				
LCS~460-20674/2-A~^25		7199		
LCSI~460-20674/3-A~^500				
LCSI~460-20674/3-A~^500		7199		
460-6741-A-1-A~^2	AB07939	7199	T	
460-6741-A-1-A~^2	AB07939		T	
460-6741-A-1-B~DU~^2	AB07939		T	
460-6741-A-1-B~DU~^2	AB07939	7199	T	
CCV~460-22883/18		7199		
CCB~460-22883/19		7199		
460-6741-A-1-C~MS~^40	AB07939		T	
460-6741-A-1-C~MS~^40	AB07939	7199	T	
460-6741-A-1-D~MSI~^500			T	
460-6741-A-1-D~MSI~^500		7199	T	
460-6741-A-1-A~PDS~^40			T	

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-22883

Method: 7199

Analyst: Earomirski, Laura

Date Open: Oct 27 2009 4:53PM

Batch End:

460-6741-A-1-A~PD S~^40	7199	T

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-22883
Method: 7199
Analyst: Earomirski, Laura

Date Open: Oct 27 2009 4:53PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~460-20676/1-A~^2				
MB~460-20676/1-A~^2		7199		
LCS~460-20676/2-A~^25		7199		
LCS~460-20676/2-A~^25				
CCV~460-22883/30		7199		
CCB~460-22883/31		7199		
LCSI~460-20676/3-A~^500				
LCSI~460-20676/3-A~^500		7199		
460-6741-A-2-A~^2	AB07940	7199	T	
460-6741-A-2-A~^2	AB07940		T	
460-6741-A-2-B~DU~^2	AB07940	7199	T	
460-6741-A-2-B~DU~^2	AB07940	7199	T	
460-6741-A-2-C~MS~^40		7199	T	
460-6741-A-2-C~MS~^40			T	
460-6741-A-2-D~MSI~^500		7199	T	
460-6741-A-2-D~MSI~^500			T	
CCV~460-22883/42		7199		
CCB~460-22883/43		7199		
460-6741-A-3-A~^2	AB07941	7199	T	
460-6741-A-3-A~^2	AB07941		T	
460-6741-A-4-A~^2	AB07942	7199	T	
460-6741-A-4-A~^2	AB07942		T	
460-6741-A-2-A~PDS~^40		7199	T	
460-6741-A-2-A~PDS~^40			T	
MB~460-20678/1-A~^2		7199		

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-22883
Method: 7199
Analyst: Earomirski, Laura

Date Open: Oct 27 2009 4:53PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~460-20678/1-A~^2				
LCS~460-20678/2-A~^25				
LCS~460-20678/2-A~^25		7199		
CCV~460-22883/54		7199		
CCB~460-22883/55		7199		
LCSI~460-20678/3-A~^500				
LCSI~460-20678/3-A~^500		7199		
460-6741-A-5-A~^2	AB07943	7199	T	
460-6741-A-5-A~^2	AB07943		T	
460-6741-A-5-B~DU~^2	AB07943	7199	T	
460-6741-A-5-B~DU~^2	AB07943		T	
460-6741-A-5-C~MS~^40			T	
460-6741-A-5-C~MS~^40		7199	T	
460-6741-A-5-D~MSI~^500			T	
460-6741-A-5-D~MSI~^500		7199	T	
CCV~460-22883/66		7199		
CCB~460-22883/67		7199		
460-6741-A-5-A~PDS~^40			T	
460-6741-A-5-A~PDS~^40		7199	T	
MB~460-20679/1-A~^2		7199		
MB~460-20679/1-A~^2				
LCS~460-20679/2-A~^25				
LCS~460-20679/2-A~^25		7199		
LCSI~460-20679/3-A~^500		7199		
LCSI~460-20679/3-A~^500				

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-22883
Method: 7199
Analyst: Earomirski, Laura

Date Open: Oct 27 2009 4:53PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
460-6741-A-6-A~^2	AB07944	7199	T	
460-6741-A-6-A~^2	AB07944		T	
CCV~460-22883/78		7199		
CCB~460-22883/79		7199		
460-6741-A-6-B~DU~^2	AB07944		T	
460-6741-A-6-B~DU~^2	AB07944	7199	T	
460-6741-A-6-C~MS~^40	AB07944		T	
460-6741-A-6-C~MS~^40	AB07944	7199	T	
460-6741-A-6-D~MSI~^500		7199	T	
460-6741-A-6-D~MSI~^500			T	
460-6741-A-7-A~^2	AB07945	7199	T	
460-6741-A-7-A~^2	AB07945		T	
460-6741-A-6-A~PDS~^40			T	
460-6741-A-6-A~PDS~^40		7199	T	
CCV~460-22883/90		7199		
CCB~460-22883/91		7199		
MB~460-20680/1-A~^2		7199		
MB~460-20680/1-A~^2				
LCS~460-20680/2-A~^25				
LCS~460-20680/2-A~^25		7199		
LCSI~460-20680/3-A~^500		7199		
LCSI~460-20680/3-A~^500				
460-6741-A-8-A~^2	AB07946	7199	T	
460-6741-A-8-A~^2	AB07946		T	
460-6741-A-8-B~DU~^2	AB07946		T	

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-22883
Method: 7199
Analyst: Earomirski, Laura

Date Open: Oct 27 2009 4:53PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
460-6741-A-8-B~DU~^2	AB07946	7199	T	
CCV~460-22883/102		7199		
CCB~460-22883/103		7199		
460-6741-A-8-C~MS~^40			T	
460-6741-A-8-C~MS~^40		7199	T	
460-6741-A-8-D~MSI~^500			T	
460-6741-A-8-D~MSI~^500		7199	T	
460-6741-A-9-A~^2	AB07947		T	
460-6741-A-9-A~^2	AB07947	7199	T	
460-6741-A-10-A~^2	AB07948	7199	T	
460-6741-A-10-A~^2	AB07948		T	
460-6741-A-8-A~PDS~^40			T	
460-6741-A-8-A~PDS~^40		7199	T	
CCV~460-22883/114		7199		
CCB~460-22883/115		7199		
MB~460-20681/1-A~^2				
MB~460-20681/1-A~^2		7199		
LCS~460-20681/2-A~^25				
LCS~460-20681/2-A~^25		7199		
LCSI~460-20681/3-A~^500		7199		
LCSI~460-20681/3-A~^500				
460-6741-A-11-A~^2	AB07949	7199	T	
460-6741-A-11-A~^2	AB07949		T	
460-6741-A-11-B~DU~^2	AB07949	7199	T	
460-6741-A-11-B~DU~^2	AB07949		T	

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-22883
Method: 7199
Analyst: Earomirski, Laura

Date Open: Oct 27 2009 4:53PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
CCV~460-22883/126		7199		Run stopped due to failing QC/ CCV, etc.

Batch Comment:

Curve: IC (0969-0974) 09 exp: 10/27/09

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-23659
Method: 7199
Analyst: Earomirski, Laura

Date Open: Oct 28 2009 10:36AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	WThcrIM5_00068	WThcrIM6_00065
0~ppb						
5~ppb						
10~ppb						
25~ppb						
50~ppb						
ICV~460-23659/6		7199		100 mL		2.5 mL
ICB~460-23659/7		7199				
MB~460-20674/1-A~^2						
MB~460-20674/1-A~^2		7199				
LCS~460-20674/2-A~^25						
LCS~460-20674/2-A~^25		7199				
LCSI~460-20674/3-A~^500						
LCSI~460-20674/3-A~^500		7199				
460-6741-A-1-A~^5	AB07939	7199	T			
460-6741-A-1-A~^5	AB07939		T			
460-6741-A-1-B~DU~^5	AB07939		T			
460-6741-A-1-B~DU~^5	AB07939	7199	T			
CCV~460-23659/18		7199		100 mL		2.5 mL
CCB~460-23659/19		7199				
460-6741-A-1-C~MS~^40	AB07939	7199	T			
460-6741-A-1-C~MS~^40	AB07939		T			
460-6741-A-1-D~MSI~^500			T			
460-6741-A-1-D~MSI~^500		7199	T			
460-6741-A-1-A~PDS~^40		7199	T	50 mL	1.25 mL	
460-6741-A-1-A~PDS~^40			T	50 mL	1.25 mL	

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-23659
Method: 7199
Analyst: Earomirski, Laura

Date Open: Oct 28 2009 10:36AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	WThcrIM5_00068	WThcrIM6_00065
MB~460-20676/1-A~^2						
MB~460-20676/1-A~^2		7199				
LCS~460-20676/2-A~^25		7199				
LCS~460-20676/2-A~^25						
CCV~460-23659/30		7199		100 mL		2.5 mL
CCB~460-23659/31		7199				
LCSI~460-20676/3-A~^500		7199				
LCSI~460-20676/3-A~^500						
460-6741-A-2-A~^5	AB07940	7199	T			
460-6741-A-2-A~^5	AB07940		T			
460-6741-A-2-B~DU~^5	AB07940	7199	T			
460-6741-A-2-B~DU~^5	AB07940		T			
460-6741-A-2-C~MS~^40		7199	T			
460-6741-A-2-C~MS~^40			T			
460-6741-A-2-D~MSI~^500		7199	T			
460-6741-A-2-D~MSI~^500			T			
CCV~460-23659/42		7199		100 mL		2.5 mL
CCB~460-23659/43		7199				
460-6741-A-3-A~^5	AB07941	7199	T			
460-6741-A-3-A~^5	AB07941		T			
460-6741-A-4-A~^5	AB07942		T			
460-6741-A-4-A~^5	AB07942	7199	T			
460-6741-A-2-A~PDS~^40		7199	T	50 mL	1.25 mL	
460-6741-A-2-A~PDS~^40			T	50 mL	1.25 mL	
MB~460-20678/1-A~^2		7199				

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-23659
Method: 7199
Analyst: Earomirski, Laura

Date Open: Oct 28 2009 10:36AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	WThcrIM5_00068	WThcrIM6_00065
MB~460-20678/1-A~^2		7199				
LCS~460-20678/2-A~^25						
LCS~460-20678/2-A~^25		7199				
CCV~460-23659/54		7199		100 mL		2.5 mL
CCB~460-23659/55		7199				
LCSI~460-20678/3-A~^500						
LCSI~460-20678/3-A~^500		7199				
460-6741-A-5-A~^5	AB07943		T			
460-6741-A-5-A~^5	AB07943	7199	T			
460-6741-A-5-B~DU~^5	AB07943		T			
460-6741-A-5-B~DU~^5	AB07943	7199	T			
460-6741-A-5-C~MS~^40		7199	T			
460-6741-A-5-C~MS~^40			T			
460-6741-A-5-D~MSI~^500			T			
460-6741-A-5-D~MSI~^500		7199	T			
CCV~460-23659/66		7199		100 mL		2.5 mL
CCB~460-23659/67		7199				
460-6741-A-5-A~PDS~^40		7199	T	50 mL	1.25 mL	
460-6741-A-5-A~PDS~^40			T	50 mL	1.25 mL	
MB~460-20679/1-A~^2						
MB~460-20679/1-A~^2		7199				
LCS~460-20679/2-A~^25						
LCS~460-20679/2-A~^25		7199				
LCSI~460-20679/3-A~^500		7199				
LCSI~460-20679/3-A~^500						

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-23659
Method: 7199
Analyst: Earomirski, Laura

Date Open: Oct 28 2009 10:36AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	WThcrIM5_00068	WThcrIM6_00065
460-6741-A-6-A~^5	AB07944	7199	T			
460-6741-A-6-A~^5	AB07944		T			
CCV~460-23659/78		7199		100 mL		2.5 mL
CCB~460-23659/79		7199				
460-6741-A-6-B~DU~^5	AB07944	7199	T			
460-6741-A-6-B~DU~^5	AB07944		T			
460-6741-A-6-C~MS~^40	AB07944		T			
460-6741-A-6-C~MS~^40	AB07944	7199	T			
460-6741-A-6-D~MSI~^500			T			
460-6741-A-6-D~MSI~^500		7199	T			
460-6741-A-7-A~^5	AB07945	7199	T			
460-6741-A-7-A~^5	AB07945		T			
460-6741-A-6-A~PDS~^40		7199	T	50 mL	1.25 mL	
460-6741-A-6-A~PDS~^40			T	50 mL	1.25 mL	
CCV~460-23659/90		7199		100 mL		2.5 mL
CCB~460-23659/91		7199				
MB~460-20680/1-A~^2						
MB~460-20680/1-A~^2		7199				
LCS~460-20680/2-A~^25						
LCS~460-20680/2-A~^25		7199				
LCSI~460-20680/3-A~^500						
LCSI~460-20680/3-A~^500		7199				
460-6741-A-8-A~^5	AB07946		T			
460-6741-A-8-A~^5	AB07946	7199	T			
460-6741-A-8-B~DU~^5	AB07946	7199	T			

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-23659
Method: 7199
Analyst: Earomirski, Laura

Date Open: Oct 28 2009 10:36AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	WThcrIM5_00068	WThcrIM6_00065
460-6741-A-8-B~DU~^5	AB07946		T			
CCV~460-23659/102		7199		100 mL		2.5 mL
CCB~460-23659/103		7199				
460-6741-A-8-C~MS~^40		7199	T			
460-6741-A-8-C~MS~^40			T			
460-6741-A-8-D~MSI~^500			T			
460-6741-A-8-D~MSI~^500		7199	T			
460-6741-A-9-A~^5	AB07947	7199	T			
460-6741-A-9-A~^5	AB07947		T			
460-6741-A-10-A~^5	AB07948		T			
460-6741-A-10-A~^5	AB07948	7199	T			
460-6741-A-8-A~PDS~^40			T	50 mL	1.25 mL	
460-6741-A-8-A~PDS~^40		7199	T	50 mL	1.25 mL	
CCV~460-23659/114		7199		100 mL		2.5 mL
CCB~460-23659/115		7199				
MB~460-20681/1-A~^2						
MB~460-20681/1-A~^2		7199				
LCS~460-20681/2-A~^25						
LCS~460-20681/2-A~^25		7199				
LCSI~460-20681/3-A~^500		7199				
LCSI~460-20681/3-A~^500						
460-6741-A-11-A~^5	AB07949	7199	T			
460-6741-A-11-A~^5	AB07949		T			
460-6741-A-11-B~DU~^5	AB07949	7199	T			
460-6741-A-11-B~DU~^5	AB07949		T			

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-23659
Method: 7199
Analyst: Earomirski, Laura

Date Open: Oct 28 2009 10:36AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	WThcrIM5_00068	WThcrIM6_00065
CCV~460-23659/126		7199		100 mL		2.5 mL
CCB~460-23659/127		7199				
460-6741-A-11-C~MS~^40	AB07949		T			
460-6741-A-11-C~MS~^40	AB07949	7199	T			
460-6741-A-11-D~MSI~^500		7199	T			
460-6741-A-11-D~MSI~^500			T			
460-6741-A-12-A~^5	AB07950		T			
460-6741-A-12-A~^5	AB07950	7199	T			
460-6741-A-13-A~^5	AB07951	7199	T			
460-6741-A-13-A~^5	AB07951		T			
460-6741-A-11-A~PDS~^40			T	50 mL	1.25 mL	
460-6741-A-11-A~PDS~^40		7199	T	50 mL	1.25 mL	
CCV~460-23659/138		7199		100 mL		2.5 mL
CCB~460-23659/139		7199				
MB~460-20682/1-A~^2						
MB~460-20682/1-A~^2		7199				
LCS~460-20682/2-A~^25						
LCS~460-20682/2-A~^25		7199				
LCSI~460-20682/3-A~^500		7199				
LCSI~460-20682/3-A~^500						
460-6741-A-14-A~^5	AB07952	7199	T			
460-6741-A-14-A~^5	AB07952		T			
460-6741-A-14-B~DU~^5	AB07952	7199	T			
460-6741-A-14-B~DU~^5	AB07952		T			
CCV~460-23659/150		7199		100 mL		2.5 mL

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-23659
Method: 7199
Analyst: Earomirski, Laura

Date Open: Oct 28 2009 10:36AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	WThcrIM5_00068	WThcrIM6_00065
CCB~460-23659/15 1		7199				
460-6741-A-14-C~MS~^40			T			
460-6741-A-14-C~MS~^40		7199	T			
460-6741-A-14-D~MSI~^500		7199	T			
460-6741-A-14-D~MSI~^500			T			
460-6741-A-14-A~PDS~^40			T	50 mL	1.25 mL	
460-6741-A-14-A~PDS~^40		7199	T	50 mL	1.25 mL	
MB~460-20683/1-A~^2		7199				
MB~460-20683/1-A~^2						
LCS~460-20683/2-A~^25						
LCS~460-20683/2-A~^25		7199				
CCV~460-23659/16 2		7199		100 mL		2.5 mL
CCB~460-23659/16 3		7199				
LCSI~460-20683/3-A~^500						
LCSI~460-20683/3-A~^500		7199				
460-6741-A-15-A~^5	AB07953	7199	T			
460-6741-A-15-A~^5	AB07953		T			
460-6741-A-15-B~DU~^5	AB07953		T			
460-6741-A-15-B~DU~^5	AB07953	7199	T			
460-6741-A-15-C~MS~^40		7199	T			
460-6741-A-15-C~MS~^40			T			

Filter Lot #: Nalgene Lot # 1004999 Post Column Reagent Lot: 0636-09 exp: 11/2/09
Buffer Lot #: 0604-09 exp: 2/18/10
pH Meter ID: D
Eluent 1 Lot: 0635-09 exp: 11/3/09

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-23659
Method: 7199
Analyst: Earomirski, Laura

Date Open: Oct 28 2009 10:36AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
0~ppb				
5~ppb				
10~ppb				
25~ppb				
50~ppb				
ICV~460-23659/6		7199		All samples run in duplicate as per the method. Higher result reported as primary, lower result rejected.
ICB~460-23659/7		7199		Initial pH= pH (in SU between 9 and 9.5) after adjustment with 1:1 HNO3
MB~460-20674/1-A~^2				All sample digestates are dark brown in color
MB~460-20674/1-A~^2		7199		
LCS~460-20674/2-A~^25				
LCS~460-20674/2-A~^25		7199		
LCSI~460-20674/3-A~^500				
LCSI~460-20674/3-A~^500		7199		
460-6741-A-1-A~^5	AB07939	7199	T	
460-6741-A-1-A~^5	AB07939		T	
460-6741-A-1-B~DU~^5	AB07939		T	
460-6741-A-1-B~DU~^5	AB07939	7199	T	
CCV~460-23659/18		7199		
CCB~460-23659/19		7199		
460-6741-A-1-C~MS~^40	AB07939	7199	T	
460-6741-A-1-C~MS~^40	AB07939		T	
460-6741-A-1-D~MSI~^500			T	
460-6741-A-1-D~MSI~^500		7199	T	
460-6741-A-1-A~PDS~^40		7199	T	

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-23659

Method: 7199

Analyst: Earomirski, Laura

Date Open: Oct 28 2009 10:36AM

Batch End:

460-6741-A-1-A~PD S~^40	T

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-23659
Method: 7199
Analyst: Earomirski, Laura

Date Open: Oct 28 2009 10:36AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~460-20676/1-A~^2				
MB~460-20676/1-A~^2		7199		
LCS~460-20676/2-A~^25		7199		
LCS~460-20676/2-A~^25				
CCV~460-23659/30		7199		
CCB~460-23659/31		7199		
LCSI~460-20676/3-A~^500		7199		
LCSI~460-20676/3-A~^500				
460-6741-A-2-A~^5	AB07940	7199	T	
460-6741-A-2-A~^5	AB07940		T	
460-6741-A-2-B~DU~^5	AB07940	7199	T	
460-6741-A-2-B~DU~^5	AB07940		T	
460-6741-A-2-C~MS~^40		7199	T	
460-6741-A-2-C~MS~^40			T	
460-6741-A-2-D~MSI~^500		7199	T	
460-6741-A-2-D~MSI~^500			T	
CCV~460-23659/42		7199		
CCB~460-23659/43		7199		
460-6741-A-3-A~^5	AB07941	7199	T	
460-6741-A-3-A~^5	AB07941		T	
460-6741-A-4-A~^5	AB07942		T	
460-6741-A-4-A~^5	AB07942	7199	T	
460-6741-A-2-A~PDS~^40		7199	T	
460-6741-A-2-A~PDS~^40			T	
MB~460-20678/1-A~^2		7199		

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-23659
Method: 7199
Analyst: Earomirski, Laura

Date Open: Oct 28 2009 10:36AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~460-20678/1-A~^2		7199		
LCS~460-20678/2-A~^25				
LCS~460-20678/2-A~^25		7199		
CCV~460-23659/54		7199		
CCB~460-23659/55		7199		
LCSI~460-20678/3-A~^500				
LCSI~460-20678/3-A~^500		7199		
460-6741-A-5-A~^5	AB07943		T	
460-6741-A-5-A~^5	AB07943	7199	T	
460-6741-A-5-B~DU~^5	AB07943		T	
460-6741-A-5-B~DU~^5	AB07943	7199	T	
460-6741-A-5-C~MS~^40		7199	T	
460-6741-A-5-C~MS~^40			T	
460-6741-A-5-D~MSI~^500			T	
460-6741-A-5-D~MSI~^500		7199	T	
CCV~460-23659/66		7199		
CCB~460-23659/67		7199		
460-6741-A-5-A~PDS~^40		7199	T	
460-6741-A-5-A~PDS~^40			T	
MB~460-20679/1-A~^2				
MB~460-20679/1-A~^2		7199		
LCS~460-20679/2-A~^25				
LCS~460-20679/2-A~^25		7199		
LCSI~460-20679/3-A~^500		7199		
LCSI~460-20679/3-A~^500				

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-23659
Method: 7199
Analyst: Earomirski, Laura

Date Open: Oct 28 2009 10:36AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
460-6741-A-6-A~^5	AB07944	7199	T	
460-6741-A-6-A~^5	AB07944		T	
CCV~460-23659/78		7199		
CCB~460-23659/79		7199		
460-6741-A-6-B~DU~^5	AB07944	7199	T	
460-6741-A-6-B~DU~^5	AB07944		T	
460-6741-A-6-C~MS~^40	AB07944		T	
460-6741-A-6-C~MS~^40	AB07944	7199	T	
460-6741-A-6-D~MSI~^500			T	
460-6741-A-6-D~MSI~^500		7199	T	
460-6741-A-7-A~^5	AB07945	7199	T	
460-6741-A-7-A~^5	AB07945		T	
460-6741-A-6-A~PDS~^40		7199	T	
460-6741-A-6-A~PDS~^40			T	
CCV~460-23659/90		7199		
CCB~460-23659/91		7199		
MB~460-20680/1-A~^2				
MB~460-20680/1-A~^2		7199		
LCS~460-20680/2-A~^25				
LCS~460-20680/2-A~^25		7199		
LCSI~460-20680/3-A~^500				
LCSI~460-20680/3-A~^500		7199		
460-6741-A-8-A~^5	AB07946		T	
460-6741-A-8-A~^5	AB07946	7199	T	
460-6741-A-8-B~DU~^5	AB07946	7199	T	

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-23659
Method: 7199
Analyst: Earomirski, Laura

Date Open: Oct 28 2009 10:36AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
460-6741-A-8-B~DU~^5	AB07946		T	
CCV~460-23659/102		7199		
CCB~460-23659/103		7199		
460-6741-A-8-C~MS~^40		7199	T	
460-6741-A-8-C~MS~^40			T	
460-6741-A-8-D~MSI~^500			T	
460-6741-A-8-D~MSI~^500		7199	T	
460-6741-A-9-A~^5	AB07947	7199	T	
460-6741-A-9-A~^5	AB07947		T	
460-6741-A-10-A~^5	AB07948		T	
460-6741-A-10-A~^5	AB07948	7199	T	
460-6741-A-8-A~PDS~^40			T	
460-6741-A-8-A~PDS~^40		7199	T	
CCV~460-23659/114		7199		
CCB~460-23659/115		7199		
MB~460-20681/1-A~^2				
MB~460-20681/1-A~^2		7199		
LCS~460-20681/2-A~^25				
LCS~460-20681/2-A~^25		7199		
LCSI~460-20681/3-A~^500		7199		
LCSI~460-20681/3-A~^500				
460-6741-A-11-A~^5	AB07949	7199	T	
460-6741-A-11-A~^5	AB07949		T	
460-6741-A-11-B~DU~^5	AB07949	7199	T	
460-6741-A-11-B~DU~^5	AB07949		T	

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-23659
Method: 7199
Analyst: Earomirski, Laura

Date Open: Oct 28 2009 10:36AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
CCV~460-23659/126		7199		
CCB~460-23659/127		7199		
460-6741-A-11-C~MS~^40	AB07949		T	
460-6741-A-11-C~MS~^40	AB07949	7199	T	
460-6741-A-11-D~MSI~^500		7199	T	
460-6741-A-11-D~MSI~^500			T	
460-6741-A-12-A~^5	AB07950		T	
460-6741-A-12-A~^5	AB07950	7199	T	
460-6741-A-13-A~^5	AB07951	7199	T	
460-6741-A-13-A~^5	AB07951		T	
460-6741-A-11-A~PDS~^40			T	
460-6741-A-11-A~PDS~^40		7199	T	
CCV~460-23659/138		7199		
CCB~460-23659/139		7199		
MB~460-20682/1-A~^2				
MB~460-20682/1-A~^2		7199		
LCS~460-20682/2-A~^25				
LCS~460-20682/2-A~^25		7199		
LCSI~460-20682/3-A~^500		7199		
LCSI~460-20682/3-A~^500				
460-6741-A-14-A~^5	AB07952	7199	T	
460-6741-A-14-A~^5	AB07952		T	
460-6741-A-14-B~DU~^5	AB07952	7199	T	
460-6741-A-14-B~DU~^5	AB07952		T	
CCV~460-23659/150		7199		

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-23659
Method: 7199
Analyst: Earomirski, Laura

Date Open: Oct 28 2009 10:36AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
CCB~460-23659/15 1		7199		
460-6741-A-14-C~M S~^40			T	
460-6741-A-14-C~M S~^40		7199	T	
460-6741-A-14-D~M SI~^500		7199	T	
460-6741-A-14-D~M SI~^500			T	
460-6741-A-14-A~P DS~^40			T	
460-6741-A-14-A~P DS~^40		7199	T	
MB~460-20683/1-A~ ^2		7199		
MB~460-20683/1-A~ ^2				
LCS~460-20683/2-A ~^25				
LCS~460-20683/2-A ~^25		7199		
CCV~460-23659/16 2		7199		
CCB~460-23659/16 3		7199		
LCSI~460-20683/3- A~^500				
LCSI~460-20683/3- A~^500		7199		
460-6741-A-15-A~^5	AB07953	7199	T	
460-6741-A-15-A~^5	AB07953		T	
460-6741-A-15-B~D U~^5	AB07953		T	
460-6741-A-15-B~D U~^5	AB07953	7199	T	
460-6741-A-15-C~M S~^40		7199	T	
460-6741-A-15-C~M S~^40			T	

Batch Comment:

Curve: IC (0999-1004) 09 exp: 10/28/09

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-23881
Method: 7199
Analyst: Earomirski, Laura

Date Open: Nov 02 2009 8:04PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	WThcrIM5_00058	WThcrIM6_00057
CCV~460-23881/1				100 mL		2.5 mL
CCB~460-23881/2						
MB~460-20681/1-A~^2						
MB~460-20681/1-A~^2						
LCS~460-20681/2-A~^25						
LCS~460-20681/2-A~^25						
LCSI~460-20681/3-A~^500						
LCSI~460-20681/3-A~^500						
460-6741-A-11-A~^5	AB07949		T			
460-6741-A-11-A~^5	AB07949		T			
460-6741-A-11-B~DU~^5	AB07949		T			
460-6741-A-11-B~DU~^5	AB07949		T			
CCV~460-23881/13				100 mL		2.5 mL
CCB~460-23881/14						
460-6741-A-11-C~MS~^40	AB07949		T			
460-6741-A-11-C~MS~^40	AB07949		T			
460-6741-A-11-D~MSI~^500			T			
460-6741-A-11-D~MSI~^500			T			
460-6741-A-12-A~^5	AB07950		T			
460-6741-A-12-A~^5	AB07950		T			
460-6741-A-13-A~^5	AB07951		T			
460-6741-A-13-A~^5	AB07951		T			
460-6741-A-11-A~PDS~^40			T	50 mL	1.25 mL	
460-6741-A-11-A~PDS~^40			T	50 mL	1.25 mL	
CCV~460-23881/25				100 mL		2.5 mL

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-23881
Method: 7199
Analyst: Earomirski, Laura

Date Open: Nov 02 2009 8:04PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	WThcrIM5_00058	WThcrIM6_00057
CCB~460-23881/26						
MB~460-20682/1-A~^2						
MB~460-20682/1-A~^2						
LCS~460-20682/2-A~^25						
LCS~460-20682/2-A~^25						
LCSI~460-20682/3-A~^500						
LCSI~460-20682/3-A~^500						
460-6741-A-14-A~^5	AB07952		T			
460-6741-A-14-A~^5	AB07952		T			
460-6741-A-14-B~DU~^5	AB07952		T			
460-6741-A-14-B~DU~^5	AB07952		T			
CCV~460-23881/37				100 mL		2.5 mL
CCB~460-23881/38						
460-6741-A-14-C~MS~^40			T			
460-6741-A-14-C~MS~^40			T			
460-6741-A-14-D~MSI~^500			T			
460-6741-A-14-D~MSI~^500			T			
460-6741-A-14-A~PDS~^40			T	50 mL	1.25 mL	
460-6741-A-14-A~PDS~^40			T	50 mL	1.25 mL	
MB~460-20683/1-A~^2		7199				
MB~460-20683/1-A~^2						
LCS~460-20683/2-A~^25						
LCS~460-20683/2-A~^25		7199				
CCV~460-23881/49		7199		100 mL		2.5 mL
CCB~460-23881/50		7199				

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-23881
Method: 7199
Analyst: Earomirski, Laura

Date Open: Nov 02 2009 8:04PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	WThcrIM5_00058	WThcrIM6_00057
LCSI~460-20683/3-A~^500						
LCSI~460-20683/3-A~^500		7199				
460-6741-A-15-A~^5	AB07953	7199	T			
460-6741-A-15-A~^5	AB07953		T			
460-6741-A-15-B~DU~^5	AB07953	7199	T			
460-6741-A-15-B~DU~^5	AB07953		T			
460-6741-A-15-C~MS~^40		7199	T			
460-6741-A-15-C~MS~^40			T			
460-6741-A-15-D~MSI~^500			T			
460-6741-A-15-D~MSI~^500		7199	T			
CCV~460-23881/61		7199		100 mL		2.5 mL
CCB~460-23881/62		7199				
460-6741-A-16-A~^5	AB07954		T			
460-6741-A-16-A~^5	AB07954	7199	T			
460-6741-A-15-A~PDS~^40		7199	T	50 mL	1.25 mL	
460-6741-A-15-A~PDS~^40			T	50 mL	1.25 mL	
MB~460-20684/1-A~^2		7199				
MB~460-20684/1-A~^2						
LCS~460-20684/2-A~^25						
LCS~460-20684/2-A~^25		7199				
LCSI~460-20684/3-A~^500		7199				
LCSI~460-20684/3-A~^500						
CCV~460-23881/73		7199		100 mL		2.5 mL
CCB~460-23881/74		7199				
460-6741-A-17-A~^5	AB07955		T			

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-23881
Method: 7199
Analyst: Earomirski, Laura

Date Open: Nov 02 2009 8:04PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	WThcrIM5_00058	WThcrIM6_00057
460-6741-A-17-A~^5	AB07955	7199	T			
460-6741-A-17-B~DU~^5	AB07955	7199	T			
460-6741-A-17-B~DU~^5	AB07955		T			
460-6741-A-17-C~MS~^40			T			
460-6741-A-17-C~MS~^40		7199	T			
460-6741-A-17-D~MSI~^500			T			
460-6741-A-17-D~MSI~^500		7199	T			
460-6741-A-17-A~PDS~^40			T	50 mL	1.25 mL	
460-6741-A-17-A~PDS~^40		7199	T	50 mL	1.25 mL	
CCV~460-23881/85		7199		100 mL		2.5 mL
CCB~460-23881/86		7199				
460-6741-A-2-A~PDS~^40			T	50 mL	1.25 mL	
460-6741-A-2-A~PDS~^40			T	50 mL	1.25 mL	
MB~460-20678/1-A~^2						
MB~460-20678/1-A~^2						
LCS~460-20678/2-A~^25						
LCS~460-20678/2-A~^25						
LCSI~460-20678/3-A~^500						
LCSI~460-20678/3-A~^500						
460-6741-A-5-A~^5	AB07943		T			
460-6741-A-5-A~^5	AB07943		T			
CCV~460-23881/97				100 mL		2.5 mL

Filter Lot #: Nalgene Lot # 1004999
Buffer Lot #: 0604-09 exp: 2/18/10
pH Meter ID: D
Eluent 1 Lot: 0638-09 exp:11/6/09
Post Column Reagent Lot: 0639-09 exp: 11/7/09

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-23881
Method: 7199
Analyst: Earomirski, Laura

Date Open: Nov 02 2009 8:04PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
CCV~460-23881/1				Samples/ batches in lines 1 to 44 have already been addressed on a previous batch, not needed here
CCB~460-23881/2				All samples run in duplicate as per the method. Higher result reported as primary, lower result rejected.
MB~460-20681/1-A~^2				All digestates are dark brown in color and pH adjusted to between 9 and 9.5 SU with 1:1 HNO3
MB~460-20681/1-A~^2				
LCS~460-20681/2-A~^25				
LCS~460-20681/2-A~^25				
LCSI~460-20681/3-A~^500				
LCSI~460-20681/3-A~^500				
460-6741-A-11-A~^5	AB07949		T	
460-6741-A-11-A~^5	AB07949		T	
460-6741-A-11-B~DU~^5	AB07949		T	
460-6741-A-11-B~DU~^5	AB07949		T	
CCV~460-23881/13				
CCB~460-23881/14				
460-6741-A-11-C~MS~^40	AB07949		T	
460-6741-A-11-C~MS~^40	AB07949		T	
460-6741-A-11-D~MSI~^500			T	
460-6741-A-11-D~MSI~^500			T	
460-6741-A-12-A~^5	AB07950		T	
460-6741-A-12-A~^5	AB07950		T	
460-6741-A-13-A~^5	AB07951		T	

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-23881

Method: 7199

Analyst: Earomirski, Laura

Date Open: Nov 02 2009 8:04PM

Batch End:

460-6741-A-13-A~^5	AB07951	T
460-6741-A-11-A~P DS~^40		T
460-6741-A-11-A~P DS~^40 CCV~460-23881/25		T

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-23881
Method: 7199
Analyst: Earomirski, Laura

Date Open: Nov 02 2009 8:04PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
CCB~460-23881/26				
MB~460-20682/1-A~^2				
MB~460-20682/1-A~^2				
LCS~460-20682/2-A~^25				
LCS~460-20682/2-A~^25				
LCSI~460-20682/3-A~^500				
LCSI~460-20682/3-A~^500				
460-6741-A-14-A~^5	AB07952		T	
460-6741-A-14-A~^5	AB07952		T	
460-6741-A-14-B~DU~^5	AB07952		T	
460-6741-A-14-B~DU~^5	AB07952		T	
CCV~460-23881/37				
CCB~460-23881/38				
460-6741-A-14-C~MS~^40			T	
460-6741-A-14-C~MS~^40			T	
460-6741-A-14-D~MSI~^500			T	
460-6741-A-14-D~MSI~^500			T	
460-6741-A-14-A~PDS~^40			T	
460-6741-A-14-A~PDS~^40			T	
MB~460-20683/1-A~^2		7199		
MB~460-20683/1-A~^2				
LCS~460-20683/2-A~^25				
LCS~460-20683/2-A~^25		7199		
CCV~460-23881/49		7199		
CCB~460-23881/50		7199		

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-23881
Method: 7199
Analyst: Earomirski, Laura

Date Open: Nov 02 2009 8:04PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
LCSI~460-20683/3-A~^500				
LCSI~460-20683/3-A~^500		7199		
460-6741-A-15-A~^5	AB07953	7199	T	
460-6741-A-15-A~^5	AB07953		T	
460-6741-A-15-B~DU~^5	AB07953	7199	T	
460-6741-A-15-B~DU~^5	AB07953		T	
460-6741-A-15-C~MS~^40		7199	T	
460-6741-A-15-C~MS~^40			T	
460-6741-A-15-D~MSI~^500			T	
460-6741-A-15-D~MSI~^500		7199	T	
CCV~460-23881/61		7199		
CCB~460-23881/62		7199		
460-6741-A-16-A~^5	AB07954		T	
460-6741-A-16-A~^5	AB07954	7199	T	
460-6741-A-15-A~PDS~^40		7199	T	
460-6741-A-15-A~PDS~^40			T	
MB~460-20684/1-A~^2		7199		
MB~460-20684/1-A~^2				
LCS~460-20684/2-A~^25				
LCS~460-20684/2-A~^25		7199		
LCSI~460-20684/3-A~^500		7199		
LCSI~460-20684/3-A~^500				
CCV~460-23881/73		7199		
CCB~460-23881/74		7199		
460-6741-A-17-A~^5	AB07955		T	

Preliminary Data

General Chemistry Worksheet

Batch Number: 460-23881
Method: 7199
Analyst: Earomirski, Laura

Date Open: Nov 02 2009 8:04PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
460-6741-A-17-A~^5	AB07955	7199	T	
460-6741-A-17-B~DU~^5	AB07955	7199	T	
460-6741-A-17-B~DU~^5	AB07955		T	
460-6741-A-17-C~MS~^40			T	
460-6741-A-17-C~MS~^40		7199	T	
460-6741-A-17-D~MSI~^500			T	
460-6741-A-17-D~MSI~^500		7199	T	
460-6741-A-17-A~PDS~^40			T	
460-6741-A-17-A~PDS~^40		7199	T	
CCV~460-23881/85		7199		
CCB~460-23881/86		7199		
460-6741-A-2-A~PDS~^40			T	Samples in lines 87-96 have already been addressed in another batch; not needed here
460-6741-A-2-A~PDS~^40			T	
MB~460-20678/1-A~^2				
MB~460-20678/1-A~^2				
LCS~460-20678/2-A~^25				
LCS~460-20678/2-A~^25				
LCSI~460-20678/3-A~^500				
LCSI~460-20678/3-A~^500				
460-6741-A-5-A~^5	AB07943		T	
460-6741-A-5-A~^5	AB07943		T	
CCV~460-23881/97				

Batch Comment:

Curve: IC (0951-0956) 09 exp: 11/2/09

Preliminary Data

Shipping and Receiving Documents

Preliminary Data

Job # 6741

MISSOURI DEPARTMENT OF NATURAL RESOURCES

FIELD SHEET AND CHAIN-OF-CUSTODY RECORD

LABORATORY ORDER ID: _____

Collector's Name: Transfer Chain of Custody to Test America
(Please Print)

Affiliation: ESP KCRO NERO SERO SLRO SWRO WPP DGLS HWP Other:
(circle one)

Description of Shipment
X Shipped-Carrier: NEXT DAY--AIR
X Tape sealed and initialed
Hand Delivered
No. Of Containers: 4

Sample Number	Sample Collected	Analyses						Sample Type	For Lab Use Only: Matrix	Container		Preserved
AB07939 (Sample A)	Date: 10/02/09	Hexavalent Chromium by EPA SW-846 Method 7199						x Grab, Composite, Modified, Other:	Water, / Soil, Organic, Sludge, Other:	1L amber, Cubitainer, / 2 oz glass, 8 oz glass, VOA vial, Encore, Other:	120 mL, Nalgene, 1L, 500mL, 250mL	H_2SO_4, HNO_3, NAOH, HCL, X 4° C(None), Disinfected, Other
For Lab Use Only	Time: 10:53	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					
AB07940 (Sample B)	Date: 10/02/09	Hexavalent Chromium by EPA SW-846 Method 7199						x Grab, Composite, Modified, Other:	Water, / Soil, Organic, Sludge, Other:	1L amber, Cubitainer, / 2 oz glass, 8 oz glass, VOA vial, Encore, Other:	120 mL, Nalgene, 1L, 500mL, 250mL	H_2SO_4, HNO_3, NAOH, HCL, X 4° C(None), Disinfected, Other
For Lab Use Only	Time: 10:54	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					
AB07941 (Sample C)	Date: 10/02/09	Hexavalent Chromium by EPA SW-846 Method 7199						x Grab, Composite, Modified, Other:	Water, / Soil, Organic, Sludge, Other:	1L amber, Cubitainer, / 2 oz glass, 8 oz glass, VOA vial, Encore, Other:	120 mL, Nalgene, 1L, 500mL, 250mL	H_2SO_4, HNO_3, NAOH, HCL, X 4° C(None), Disinfected, Other
For Lab Use Only	Time: 10:54	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					
AB07942 (Sample D)	Date: 10/02/09	Hexavalent Chromium by EPA SW-846 Method 7199						X Grab, Composite, Modified, Other:	Water, / Soil, Organic, Sludge, Other:	1L amber, Cubitainer, / 2 oz glass, 8 oz glass, VOA vial, Encore, Other:	120 mL, Nalgene, 1L, 500mL, 250mL	H_2SO_4, HNO_3, NAOH, HCL, X 4° C(None), Disinfected, Other
For Lab Use Only	Time: 10:56	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					

Relinquished By: Jose R Dunmire 10/13/09	Received By: UPS	Date:	Time:
Relinquished By: UPS 10/14/09 14:15	Received By:	Date:	Time:
Relinquished By:	Received By: 3° 4°C	Date:	Time:

Red Rabbit LLC

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Job # 6741

MISSOURI DEPARTMENT OF NATURAL RESOURCES

FIELD SHEET AND CHAIN-OF-CUSTODY RECORD

LABORATORY ORDER ID:

Collector's Name: Transfer Chain of Custody to Test America
(Please Print)

Affiliation: ESP KCRO NERO SERO SLRO SWRO WPP DGLS HWP Other:
(circle one)

Description of Shipment
X Shipped-Carrier: NEXT DAY--AIR
X Tape sealed and initialed
Hand Delivered
No. Of Containers: 4

Sample Number	Sample Collected	Analyses						Sample Type	For Lab Use Only: Matrix	Container		Preserved
AB07943 (Sample A)	Date: 10/02/09	Hexavalent Chromium by EPA SW-846 Method 7199						x Grab / Composite / Modified / Other:	Water / Soil / Organic / Sludge / Other:	1L amber / Cubitainer / 2 oz glass / 8 oz glass / VOA vial / Encore / Other:	120 mL / Nalgene / 1L / 500mL / 250mL	H_2SO_4 / HNO_3 / NAOH / HCL / 4° C(None) / Disinfected / Other
For Lab Use Only	Time: 10:58	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					
AB07944 (Sample B)	Date: 10/02/09	Hexavalent Chromium by EPA SW-846 Method 7199						x Grab / Composite / Modified / Other:	Water / Soil / Organic / Sludge / Other:	1L amber / Cubitainer / 2 oz glass / 8 oz glass / VOA vial / Encore / Other:	120 mL / Nalgene / 1L / 500mL / 250mL	H_2SO_4 / HNO_3 / NAOH / HCL / 4° C(None) / Disinfected / Other
For Lab Use Only	Time: 11:00	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					
AB07945 (Sample C)	Date: 10/02/09	Hexavalent Chromium by EPA SW-846 Method 7199						x Grab / Composite / Modified / Other:	Water / Soil / Organic / Sludge / Other:	1L amber / Cubitainer / 2 oz glass / 8 oz glass / VOA vial / Encore / Other:	120 mL / Nalgene / 1L / 500mL / 250mL	H_2SO_4 / HNO_3 / NAOH / HCL / 4° C(None) / Disinfected / Other
For Lab Use Only	Time: 11:00	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					
AB07946 (Sample D)	Date: 10/02/09	Hexavalent Chromium by EPA SW-846 Method 7199						X Grab / Composite / Modified / Other:	Water / Soil / Organic / Sludge / Other:	1L amber / Cubitainer / 2 oz glass / 8 oz glass / VOA vial / Encore / Other:	120 mL / Nalgene / 1L / 500mL / 250mL	H_2SO_4 / HNO_3 / NAOH / HCL / 4° C(None) / Disinfected / Other
For Lab Use Only	Time: 11:02	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					

Relinquished By:	Received By:	Date:	Time:
[signature] 10/13/09	UPS		
UPS 10/14/09 1:15	[signature]		

3° Pb

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Job # 6741

MISSOURI DEPARTMENT OF NATURAL RESOURCES

FIELD SHEET AND CHAIN-OF-CUSTODY RECORD

LABORATORY ORDER ID:

Collector's Name: Transfer Chain of Custody to Test America
(Please Print)

Affiliation: ESP KCRO NERO SERO SLRO SWRO WPP DGLS HWP Other:
(circle one)

Description of Shipment
X Shipped-Carrier: NEXT DAY--AIR
X Tape sealed and initialed
Hand Delivered
No. Of Containers: 4

Sample Number	Sample Collected	Analyses						Sample Type	For Lab Use Only: Matrix	Container		Preserved
AB07947 (Sample A)	Date: 10/02/09	Hexavalent Chromium by EPA SW-846 Method 7199						x Grab; Composite; Modified; Other:	Water; I Soil; Organic; Sludge; Other:	1L amber; Cubitainer; I 2 oz glass; 8 oz glass; VOA vial; Encore; Other:	120 mL; Nalgene; 1L; 500mL; 250mL	H_2SO_4; HNO_3; NAOH; HCL; X 4° C(None); Disinfected; Other
For Lab Use Only	Time: 11:02	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					
AB07948 (Sample B)	Date: 10/02/09	Hexavalent Chromium by EPA SW-846 Method 7199						x Grab; Composite; Modified; Other:	Water; I Soil; Organic; Sludge; Other:	1L amber; Cubitainer; I 2 oz glass; 8 oz glass; VOA vial; Encore; Other:	120 mL; Nalgene; 1L; 500mL; 250mL	H_2SO_4; HNO_3; NAOH; HCL; X 4° C(None); Disinfected; Other
For Lab Use Only	Time: 11:05	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					
AB07949 (Sample C)	Date: 10/02/09	Hexavalent Chromium by EPA SW-846 Method 7199						x Grab; Composite; Modified; Other:	Water; I Soil; Organic; Sludge; Other:	1L amber; Cubitainer; I 2 oz glass; 8 oz glass; VOA vial; Encore; Other:	120 mL; Nalgene; 1L; 500mL; 250mL	H_2SO_4; HNO_3; NAOH; HCL; X 4° C(None); Disinfected; Other
For Lab Use Only	Time: 11:07	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					
AB07950 (Sample D)	Date: 10/02/09	Hexavalent Chromium by EPA SW-846 Method 7199						X Grab; Composite; Modified; Other:	Water; I Soil; Organic; Sludge; Other:	1L amber; Cubitainer; I 2 oz glass; 8 oz glass; VOA vial; Encore; Other:	120 mL; Nalgene; 1L; 500mL; 250mL	H_2SO_4; HNO_3; NAOH; HCL; X 4° C(None); Disinfected; Other
For Lab Use Only	Time: 11:10	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					

Relinquished By: Lori LaDunnie 10/13/09	Received By: UPS	Date:	Time:
Relinquished By: UPS	Received By: [illegible] 10/14/09 1015	Date:	Time:
Relinquished By:	Received By: 3° Ice	Date:	Time:

11/30/2009

Draft Results Only

Job # 4741

MISSOURI DEPARTMENT OF NATURAL RESOURCES

FIELD SHEET AND CHAIN-OF-CUSTODY RECORD

LABORATORY ORDER ID:

Collector's Name: Transfer Chain of Custody to Test America
(Please Print)

Affiliation: ESP KCRO NERO SERO SLRO SWRO WPP DGLS HWP Other:
(circle one)

Description of Shipment
X Shipped-Carrier: NEXT DAY--AIR
X Tape sealed and initialed
Hand Delivered
No. Of Containers: 4

Sample Number	Sample Collected	Analyses						Sample Type	For Lab Use Only: Matrix	Container		Preserved
AB07951 (Sample A)	Date: 10/02/09	Hexavalent Chromium by EPA SW-846 Method 7199						Grab / x Composite / Modified / Other:	Water / Soil / Organic / Sludge / Other:	1L amber / Cubitainer / 2 oz glass / 8 oz glass / VOA vial / Encore / Other:	120 mL / Nalgene / 1L / 500mL / 250mL	H_2SO_4 / HNO_3 / NAOH / HCL / X 4° C(None) / Disinfected / Other
For Lab Use Only	Time: 10:53	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					
AB07952 (Sample B)	Date: 10/02/09	Hexavalent Chromium by EPA SW-846 Method 7199						Grab / x Composite / Modified / Other:	Water / Soil / Organic / Sludge / Other:	1L amber / Cubitainer / 2 oz glass / 8 oz glass / VOA vial / Encore / Other:	120 mL / Nalgene / 1L / 500mL / 250mL	H_2SO_4 / HNO_3 / NAOH / HCL / X 4° C(None) / Disinfected / Other
For Lab Use Only	Time: 10:56	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					
AB07953 (Sample C)	Date: 10/02/09	Hexavalent Chromium by EPA SW-846 Method 7199						Grab / x Composite / Modified / Other:	Water / Soil / Organic / Sludge / Other:	1L amber / Cubitainer / 2 oz glass / 8 oz glass / VOA vial / Encore / Other:	120 mL / Nalgene / 1L / 500mL / 250mL	H_2SO_4 / HNO_3 / NAOH / HCL / X 4° C(None) / Disinfected / Other
For Lab Use Only	Time: 11:02	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					
AB07954 (Sample D)	Date: 10/02/09	Hexavalent Chromium by EPA SW-846 Method 7199						Grab / x Composite / Modified / Other:	Water / Soil / Organic / Sludge / Other:	1L amber / Cubitainer / 2 oz glass / 8 oz glass / VOA vial / Encore / Other:	120 mL / Nalgene / 1L / 500mL / 250mL	H_2SO_4 / HNO_3 / NAOH / HCL / X 4° C(None) / Disinfected / Other
For Lab Use Only	Time: 11:07	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					

Relinquished By: [signature] 10/13/09	Received By: UPS	Date:	Time:
Relinquished By: UPS	Received By: [signature] 10/14/09 10:18	Date:	Time:
Relinquished By:	Received By:	Date:	Time:

3° Ice

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Job # 6741

MISSOURI DEPARTMENT OF NATURAL RESOURCES

FIELD SHEET AND CHAIN-OF-CUSTODY RECORD

LABORATORY ORDER ID:

Collector's Name: Transfer Chain of Custody to Test America
(Please Print)

Affiliation: ESP KCRO NERO SERO SLRO SWRO WPP DGLS HWP Other:
(circle one)

Description of Shipment
X Shipped-Carrier: NEXT DAY--AIR
X Tape sealed and initialed
Hand Delivered
No. Of Containers: 4

Sample Number	Sample Collected	Analyses						Sample Type	For Lab Use Only: Matrix	Container		Preserved
AB07955 (Sample A)	Date: 10/02/09	Hexavalent Chromium by EPA SW-846 Method 7199						Grab / x Composite / Modified / Other:	Water / I Soil / Organic / Sludge / Other:	1L amber / Cubitainer / I 2 oz glass / 8 oz glass / VOA vial / Encore / Other:	120 mL / Nalgene 1L / 500mL / 250mL	H_2SO_4 / HNO_3 / NAOH / HCL / X 4° C(None) / Disinfected / Other
For Lab Use Only	Time: 11:10	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					
(Sample B)	Date:							Grab / x Composite / Modified / Other:	Water / Soil / Organic / Sludge / Other:	1L amber / Cubitainer / 2 oz glass / 8 oz glass / VOA vial / Encore / Other:	120 mL / Nalgene 1L / 500mL / 250mL	H_2SO_4 / HNO_3 / NAOH / HCL / 4° C(None) / Disinfected / Other
For Lab Use Only	Time:	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					
(Sample C)	Date:							Grab / x Composite / Modified / Other:	Water / Soil / Organic / Sludge / Other:	1L amber / Cubitainer / 2 oz glass / 8 oz glass / VOA vial / Encore / Other:	120 mL / Nalgene 1L / 500mL / 250mL	H_2SO_4 / HNO_3 / NAOH / HCL / 4° C(None) / Disinfected / Other
For Lab Use Only	Time: 11:02	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					
(Sample D)	Date:							Grab / x Composite / Modified / Other:	Water / Soil / Organic / Sludge / Other:	1L amber / Cubitainer / 2 oz glass / 8 oz glass / VOA vial / Encore / Other:	120 mL / Nalgene 1L / 500mL / 250mL	H_2SO_4 / HNO_3 / NAOH / HCL / 4° C(None) / Disinfected / Other
For Lab Use Only	Time:	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					

Relinquished By:	Received By:	Date:	Time:
Lisa LaPuamie 10/13/09	[illegible]		
[illegible] 10/14/09	[illegible] 10/15		

3 ice

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Login Sample Receipt Check List

Client: Missouri Department of Natural Resources

Job Number: 460-6741-1

Login Number: 6741

List Source: TestAmerica Edison

Creator: Meyers, Gary

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	3 ° C IR # 68
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

Preliminary Data