ANALYTICAL REPORT

Job Number: 460-4872-1

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

Approved for release.
Thomas Tanico
Department Manager II
8/28/2009 3:48 PM

Designee for
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08/28/2009

cc: Mr. Chris Boldt

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CASE NARRATIVE

Client: Missouri Department of Natural Resources

Project: Missouri DNR Hexavalent Chromium

Report Number: 460-4872-1

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.

Additional client requested information is added to the back of the raw data section. 7199 CCV control chart found on pages 568-570/ 3060A-7199 ms soluble control chart found on pages 571-573 3060A-7199 ms insoluble control chart found on pages 574-575/ 7199 LCS control chart found on pages 577-578/ Initial calibrations: 5 initials separated by batch # (top right) pages 580-609. Due to implementation of new lims system only 17 points for the MS insoluble and 19 points for the LCS could be retrieved.

RECEIPT

The samples were received on 08/20/2009; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.0 C.

Method(s) 9045C: The following samples were received outside the method defined holding time for 9045C: 460-4872-1 through 460-4872-30.

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.

REDUCTION-OXIDATION (REDOX) POTENTIAL

Samples 460-4872-1 through 460-4872-30 were analyzed for Reduction-Oxidation (REDOX) Potential in accordance with SM 2580B Oxidation Reduction Potential. The samples were leached on 08/26/2009 and analyzed on 08/26/2009.

No difficulties were encountered during the redox analyses.

All quality control parameters were within the acceptance limits.

HEXAVALENT CHROMIUM

Samples 460-4872-1 through 460-4872-30 were analyzed for hexavalent chromium in accordance with EPA SW-846 Method 7199. The samples were prepared on 08/20/2009 and 08/21/2009 and analyzed on 08/20/2009, 08/21/2009, 08/24/2009 and 08/26/2009.

Samples 460-4872-1(20X), 460-4872-3 through 460-4872-8(20X), 460-4872-11(50X), 460-4872-12(40X), 460-4872-13(20X), 460-4872-14(50X), 460-4872-15(50X), 460-4872-16(40X), 460-4872-17(20X), 460-4872-18(50X), 460-4872-19(40X), 460-4872-20(50X), 460-4872-21(10X), 460-4872-22(40X), 460-4872-23(10X), 460-4872-24(20X) and 460-4872-25 through 460-4872-30(10X) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the hex chrome analyses.

All quality control parameters were within the acceptance limits.

CORROSIVITY (PH)

Samples 460-4872-1 through 460-4872-30 were analyzed for corrosivity (pH) in accordance with EPA SW-846 Method 9045C. The samples were analyzed on 08/26/2009.

Refer to the QC report for details.

No other difficulties were encountered during the pH analyses.

All other quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-4872-1	0916260-AB03921	Solid	08/12/2009 1132	08/20/2009 0710
460-4872-1DU	0916260-AB03921	Solid	08/12/2009 1132	08/20/2009 0710
460-4872-2	0916261-AB03922	Solid	08/12/2009 1137	08/20/2009 0710
460-4872-3	0916262-AB03923	Solid	08/12/2009 1139	08/20/2009 0710
460-4872-4	0916263-AB03924	Solid	08/12/2009 1141	08/20/2009 0710
460-4872-5	0916264-AB03925	Solid	08/12/2009 1143	08/20/2009 0710
460-4872-6	0916265-AB03926	Solid	08/12/2009 1145	08/20/2009 0710
460-4872-7	0916266-AB03927	Solid	08/12/2009 1147	08/20/2009 0710
460-4872-8	0916267-AB03928	Solid	08/12/2009 1149	08/20/2009 0710
460-4872-9	0916268-AB03929	Solid	08/12/2009 1151	08/20/2009 0710
460-4872-10	0916269-AB03930	Solid	08/12/2009 1153	08/20/2009 0710
460-4872-11	0916270-AB03931	Solid	08/12/2009 1245	08/20/2009 0710
460-4872-12	0916271-AB03932	Solid	08/12/2009 1248	08/20/2009 0710
460-4872-13	0916272-AB03933	Solid	08/12/2009 1251	08/20/2009 0710
460-4872-14	0916273-AB03934	Solid	08/12/2009 1253	08/20/2009 0710
460-4872-15	0916274-AB03935	Solid	08/12/2009 1256	08/20/2009 0710
460-4872-15DU	0916274-AB03935	Solid	08/12/2009 1256	08/20/2009 0710
460-4872-16	0916275-AB03936	Solid	08/12/2009 1258	08/20/2009 0710
460-4872-17	0916276-AB03937	Solid	08/12/2009 1300	08/20/2009 0710
460-4872-18	0916277-AB03938	Solid	08/12/2009 1302	08/20/2009 0710
460-4872-19	0916278-AB03939	Solid	08/12/2009 1303	08/20/2009 0710
460-4872-20	0916279-AB03940	Solid	08/12/2009 1305	08/20/2009 0710
460-4872-21	0916280-AB03941	Solid	08/12/2009 1340	08/20/2009 0710
460-4872-21DU	0916280-AB03941	Solid	08/12/2009 1340	08/20/2009 0710
460-4872-22	0916281-AB03942	Solid	08/12/2009 1355	08/20/2009 0710
460-4872-23	0916282-AB03943	Solid	08/12/2009 1344	08/20/2009 0710
460-4872-24	0916283-AB03944	Solid	08/12/2009 1356	08/20/2009 0710
460-4872-25	0916284-AB03945	Solid	08/12/2009 1357	08/20/2009 0710
460-4872-26	0916285-AB03946	Solid	08/12/2009 1400	08/20/2009 0710
460-4872-27	0916286-AB03947	Solid	08/12/2009 1402	08/20/2009 0710
460-4872-28	0916287-AB03948	Solid	08/12/2009 1405	08/20/2009 0710
460-4872-29	0916288-AB03949	Solid	08/12/2009 1406	08/20/2009 0710
460-4872-30	0916289-AB03950	Solid	08/12/2009 1411	08/20/2009 0710

EXECUTIVE SUMMARY - Detections

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
460-4872-1	**0916260-AB03921**					
Chromium (hexavalent)		27.5		4.2	mg/Kg	7199
pH		5.43	H		SU	9045C
Percent Moisture		4.6		1.0	%	Moisture
Percent Solids		95.4		1.0	%	Moisture
Soluble						
Oxidation Reduction Potential-Soluble		563			millivolts	SM 2580B
460-4872-2	**0916261-AB03922**					
Chromium (hexavalent)		17.2		2.1	mg/Kg	7199
pH		5.56	H		SU	9045C
Percent Moisture		4.0		1.0	%	Moisture
Percent Solids		96.0		1.0	%	Moisture
Soluble						
Oxidation Reduction Potential-Soluble		523			millivolts	SM 2580B
460-4872-3	**0916262-AB03923**					
Chromium (hexavalent)		21.3		4.2	mg/Kg	7199
pH		5.59	H		SU	9045C
Percent Moisture		5.2		1.0	%	Moisture
Percent Solids		94.8		1.0	%	Moisture
Soluble						
Oxidation Reduction Potential-Soluble		545			millivolts	SM 2580B
460-4872-4	**0916263-AB03924**					
Chromium (hexavalent)		24.4		4.7	mg/Kg	7199
pH		5.60	H		SU	9045C
Percent Moisture		13.6		1.0	%	Moisture
Percent Solids		86.4		1.0	%	Moisture
Soluble						
Oxidation Reduction Potential-Soluble		524			millivolts	SM 2580B

EXECUTIVE SUMMARY - Detections

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
460-4872-5	**0916264-AB03925**					
Chromium (hexavalent)		25.8		4.4	mg/Kg	7199
pH		5.93	H		SU	9045C
Percent Moisture		5.7		1.0	%	Moisture
Percent Solids		94.3		1.0	%	Moisture
Soluble						
Oxidation Reduction Potential-Soluble		515			millivolts	SM 2580B
460-4872-6	**0916265-AB03926**					
Chromium (hexavalent)		34.2		4.4	mg/Kg	7199
pH		5.39	H		SU	9045C
Percent Moisture		8.7		1.0	%	Moisture
Percent Solids		91.3		1.0	%	Moisture
Soluble						
Oxidation Reduction Potential-Soluble		504			millivolts	SM 2580B
460-4872-7	**0916266-AB03927**					
Chromium (hexavalent)		25.1		4.3	mg/Kg	7199
pH		5.54	H		SU	9045C
Percent Moisture		5.2		1.0	%	Moisture
Percent Solids		94.8		1.0	%	Moisture
Soluble						
Oxidation Reduction Potential-Soluble		508			millivolts	SM 2580B
460-4872-8	**0916267-AB03928**					
Chromium (hexavalent)		21.2		4.1	mg/Kg	7199
pH		6.80	H		SU	9045C
Percent Moisture		5.1		1.0	%	Moisture
Percent Solids		94.9		1.0	%	Moisture
Soluble						
Oxidation Reduction Potential-Soluble		505			millivolts	SM 2580B

EXECUTIVE SUMMARY - Detections

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
460-4872-9	**0916268-AB03929**					
Chromium (hexavalent)		20.7		2.2	mg/Kg	7199
pH		6.21	H		SU	9045C
Percent Moisture		8.6		1.0	%	Moisture
Percent Solids		91.4		1.0	%	Moisture
Soluble						
Oxidation Reduction Potential-Soluble		499			millivolts	SM 2580B
460-4872-10	**0916269-AB03930**					
Chromium (hexavalent)		17.1		2.2	mg/Kg	7199
pH		6.77	H		SU	9045C
Percent Moisture		5.5		1.0	%	Moisture
Percent Solids		94.5		1.0	%	Moisture
Soluble						
Oxidation Reduction Potential-Soluble		496			millivolts	SM 2580B
460-4872-11	**0916270-AB03931**					
Chromium (hexavalent)		45.4		10.9	mg/Kg	7199
pH		4.53	H		SU	9045C
Percent Moisture		7.2		1.0	%	Moisture
Percent Solids		92.8		1.0	%	Moisture
Soluble						
Oxidation Reduction Potential-Soluble		524			millivolts	SM 2580B
460-4872-12	**0916271-AB03932**					
Chromium (hexavalent)		38.2		8.8	mg/Kg	7199
pH		5.25	H		SU	9045C
Percent Moisture		8.1		1.0	%	Moisture
Percent Solids		91.9		1.0	%	Moisture
Soluble						
Oxidation Reduction Potential-Soluble		517			millivolts	SM 2580B

EXECUTIVE SUMMARY - Detections

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
460-4872-13	**0916272-AB03933**					
Chromium (hexavalent)		24.6		4.3	mg/Kg	7199
pH		5.96	H		SU	9045C
Percent Moisture		7.0		1.0	%	Moisture
Percent Solids		93.0		1.0	%	Moisture
Soluble						
Oxidation Reduction Potential-Soluble		518			millivolts	SM 2580B
460-4872-14	**0916273-AB03934**					
Chromium (hexavalent)		41.8		10.3	mg/Kg	7199
pH		6.57	H		SU	9045C
Percent Moisture		2.4		1.0	%	Moisture
Percent Solids		97.6		1.0	%	Moisture
Soluble						
Oxidation Reduction Potential-Soluble		494			millivolts	SM 2580B
460-4872-15	**0916274-AB03935**					
Chromium (hexavalent)		51.3		11.1	mg/Kg	7199
pH		5.62	H		SU	9045C
Percent Moisture		9.0		1.0	%	Moisture
Percent Solids		91.0		1.0	%	Moisture
Soluble						
Oxidation Reduction Potential-Soluble		604			millivolts	SM 2580B
460-4872-16	**0916275-AB03936**					
Chromium (hexavalent)		37.5		8.4	mg/Kg	7199
pH		5.33	H		SU	9045C
Percent Moisture		5.5		1.0	%	Moisture
Percent Solids		94.5		1.0	%	Moisture
Soluble						
Oxidation Reduction Potential-Soluble		496			millivolts	SM 2580B
460-4872-17	**0916276-AB03937**					
Chromium (hexavalent)		20.2		3.9	mg/Kg	7199
pH		3.73	H		SU	9045C
Percent Solids		105		1.0	%	Moisture
Soluble						
Oxidation Reduction Potential-Soluble		527			millivolts	SM 2580B

EXECUTIVE SUMMARY - Detections

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
460-4872-18	**0916277-AB03938**					
Chromium (hexavalent)		55.6		10.6	mg/Kg	7199
pH		5.42	H		SU	9045C
Percent Moisture		5.9		1.0	%	Moisture
Percent Solids		94.1		1.0	%	Moisture
Soluble						
Oxidation Reduction Potential-Soluble		503			millivolts	SM 2580B
460-4872-19	**0916278-AB03939**					
Chromium (hexavalent)		35.4		8.4	mg/Kg	7199
pH		5.54	H		SU	9045C
Percent Moisture		5.2		1.0	%	Moisture
Percent Solids		94.8		1.0	%	Moisture
Soluble						
Oxidation Reduction Potential-Soluble		498			millivolts	SM 2580B
460-4872-20	**0916279-AB03940**					
Chromium (hexavalent)		54.3		11.2	mg/Kg	7199
pH		3.97	H		SU	9045C
Percent Moisture		10.7		1.0	%	Moisture
Percent Solids		89.3		1.0	%	Moisture
Soluble						
Oxidation Reduction Potential-Soluble		572			millivolts	SM 2580B
460-4872-21	**0916280-AB03941**					
Chromium (hexavalent)		3.9		2.1	mg/Kg	7199
pH		5.95	H		SU	9045C
Percent Moisture		3.3		1.0	%	Moisture
Percent Solids		96.7		1.0	%	Moisture
Soluble						
Oxidation Reduction Potential-Soluble		578			millivolts	SM 2580B

EXECUTIVE SUMMARY - Detections

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
460-4872-22	**0916281-AB03942**					
Chromium (hexavalent)		33.3		9.0	mg/Kg	7199
pH		4.29	H		SU	9045C
Percent Moisture		8.3		1.0	%	Moisture
Percent Solids		91.7		1.0	%	Moisture
Soluble						
Oxidation Reduction Potential-Soluble		597			millivolts	SM 2580B
460-4872-23	**0916282-AB03943**					
Chromium (hexavalent)		8.6		2.2	mg/Kg	7199
pH		6.38	H		SU	9045C
Percent Moisture		5.9		1.0	%	Moisture
Percent Solids		94.1		1.0	%	Moisture
Soluble						
Oxidation Reduction Potential-Soluble		499			millivolts	SM 2580B
460-4872-24	**0916283-AB03944**					
Chromium (hexavalent)		26.7		4.2	mg/Kg	7199
pH		5.45	H		SU	9045C
Percent Moisture		3.3		1.0	%	Moisture
Percent Solids		96.7		1.0	%	Moisture
Soluble						
Oxidation Reduction Potential-Soluble		508			millivolts	SM 2580B
460-4872-25	**0916284-AB03945**					
Chromium (hexavalent)		4.7		2.0	mg/Kg	7199
pH		5.56	H		SU	9045C
Percent Moisture		5.4		1.0	%	Moisture
Percent Solids		94.6		1.0	%	Moisture
Soluble						
Oxidation Reduction Potential-Soluble		508			millivolts	SM 2580B

EXECUTIVE SUMMARY - Detections

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
460-4872-26	**0916285-AB03946**					
Chromium (hexavalent)		18.0		2.1	mg/Kg	7199
pH		5.35	H		SU	9045C
Percent Moisture		3.3		1.0	%	Moisture
Percent Solids		96.7		1.0	%	Moisture
Soluble						
Oxidation Reduction Potential-Soluble		546			millivolts	SM 2580B
460-4872-27	**0916286-AB03947**					
Chromium (hexavalent)		3.9		2.2	mg/Kg	7199
pH		6.12	H		SU	9045C
Percent Moisture		5.9		1.0	%	Moisture
Percent Solids		94.1		1.0	%	Moisture
Soluble						
Oxidation Reduction Potential-Soluble		527			millivolts	SM 2580B
460-4872-28	**0916287-AB03948**					
Chromium (hexavalent)		7.9		2.1	mg/Kg	7199
pH		5.96	H		SU	9045C
Percent Moisture		4.1		1.0	%	Moisture
Percent Solids		95.9		1.0	%	Moisture
Soluble						
Oxidation Reduction Potential-Soluble		505			millivolts	SM 2580B
460-4872-29	**0916288-AB03949**					
Chromium (hexavalent)		2.8		2.2	mg/Kg	7199
pH		6.20	H		SU	9045C
Percent Moisture		9.9		1.0	%	Moisture
Percent Solids		90.1		1.0	%	Moisture
Soluble						
Oxidation Reduction Potential-Soluble		508			millivolts	SM 2580B

EXECUTIVE SUMMARY - Detections

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
460-4872-30	**0916289-AB03950**					
Chromium (hexavalent)		4.5		2.1	mg/Kg	7199
pH		5.23	H		SU	9045C
Percent Moisture		4.4		1.0	%	Moisture
Percent Solids		95.6		1.0	%	Moisture
Soluble						
Oxidation Reduction Potential-Soluble		527			millivolts	SM 2580B

METHOD SUMMARY

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Chromium, Hexavalent (IC)	TAL EDI	SW846 7199	
Alkaline Digestion (Chromium, Hexavalent)	TAL EDI		SW846 3060A
pH	TAL EDI	SW846 9045C	
Percent Moisture	TAL EDI	EPA Moisture	
Reduction-Oxidation (REDOX) Potential	TAL EDI	SM SM 2580B	
Deionized Water Leaching Procedure	TAL EDI		ASTM DI Leach

Lab References:

TAL EDI = TestAmerica Edison

Method References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater",

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

METHOD / ANALYST SUMMARY

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

Method	Analyst	Analyst ID
SW846 7199	Earomirski, Laura	LE
SW846 7199	Parillo, Jasmine	JP
SW846 9045C	Yang, Xiufeng	XY
EPA Moisture	Abrams, Stacey	sa
SM SM 2580B	Vu, Huan	HV

General Chemistry

Client Sample ID: **0916260-AB03921**

Lab Sample ID: 460-4872-1 Date Sampled: 08/12/2009 1132
Client Matrix: Solid Date Received: 08/20/2009 0710

Analyte	Result	Qual	Units	Dil	Method
pH	5.43	H	SU	1.0	9045C
Analysis Batch: 460-15507	Date Analyzed: 08/26/2009 1543				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	563		millivolts	1.0	SM 2580B
Analysis Batch: 460-15417	Date Analyzed: 08/26/2009 1307				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	4.6		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1856						DryWt Corrected: N
Chromium (hexavalent)	27.5		mg/Kg	4.2	4.2	20	7199
Analysis Batch: 460-15062	Date Analyzed: 08/21/2009 1406						DryWt Corrected: Y
Prep Batch: 460-14799	Date Prepared: 08/20/2009 1247						
Percent Solids	95.4		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1856						DryWt Corrected: N

General Chemistry

Client Sample ID: **0916261-AB03922**

Lab Sample ID: 460-4872-2 Date Sampled: 08/12/2009 1137
Client Matrix: Solid Date Received: 08/20/2009 0710

Analyte	Result	Qual	Units	Dil	Method
pH	5.56	H	SU	1.0	9045C
Analysis Batch: 460-15507	Date Analyzed: 08/26/2009 1545				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	523		millivolts	1.0	SM 2580B
Analysis Batch: 460-15417	Date Analyzed: 08/26/2009 1311				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	4.0		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1856						DryWt Corrected: N
Chromium (hexavalent)	17.2		mg/Kg	2.1	2.1	10	7199
Analysis Batch: 460-15061	Date Analyzed: 08/20/2009 1834						DryWt Corrected: Y
Prep Batch: 460-14799	Date Prepared: 08/20/2009 1247						
Percent Solids	96.0		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1856						DryWt Corrected: N

General Chemistry

Client Sample ID: **0916262-AB03923**

Lab Sample ID: 460-4872-3 Date Sampled: 08/12/2009 1139
Client Matrix: Solid Date Received: 08/20/2009 0710

Analyte	Result	Qual	Units	Dil	Method
pH	5.59	H	SU	1.0	9045C
Analysis Batch: 460-15507	Date Analyzed: 08/26/2009 1546				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	545		millivolts	1.0	SM 2580B
Analysis Batch: 460-15417	Date Analyzed: 08/26/2009 1313				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.2		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1856						DryWt Corrected: N
Chromium (hexavalent)	21.3		mg/Kg	4.2	4.2	20	7199
Analysis Batch: 460-15062	Date Analyzed: 08/21/2009 1428						DryWt Corrected: Y
Prep Batch: 460-14799	Date Prepared: 08/20/2009 1247						
Percent Solids	94.8		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1856						DryWt Corrected: N

General Chemistry

Client Sample ID: **0916263-AB03924**

Lab Sample ID: 460-4872-4 Date Sampled: 08/12/2009 1141
Client Matrix: Solid Date Received: 08/20/2009 0710

Analyte	Result	Qual	Units	Dil	Method
pH	5.60	H	SU	1.0	9045C
Analysis Batch: 460-15507	Date Analyzed: 08/26/2009 1547				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	524		millivolts	1.0	SM 2580B
Analysis Batch: 460-15417	Date Analyzed: 08/26/2009 1315				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	13.6		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1856						DryWt Corrected: N
Chromium (hexavalent)	24.4		mg/Kg	4.7	4.7	20	7199
Analysis Batch: 460-15062	Date Analyzed: 08/21/2009 1450						DryWt Corrected: Y
Prep Batch: 460-14799	Date Prepared: 08/20/2009 1247						
Percent Solids	86.4		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1856						DryWt Corrected: N

General Chemistry

Client Sample ID: **0916264-AB03925**

Lab Sample ID: 460-4872-5 Date Sampled: 08/12/2009 1143
Client Matrix: Solid Date Received: 08/20/2009 0710

Analyte	Result	Qual	Units	Dil	Method
pH	5.93	H	SU	1.0	9045C
Analysis Batch: 460-15507	Date Analyzed: 08/26/2009 1548				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	515		millivolts	1.0	SM 2580B
Analysis Batch: 460-15417	Date Analyzed: 08/26/2009 1317				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.7		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1856						DryWt Corrected: N
Chromium (hexavalent)	25.8		mg/Kg	4.4	4.4	20	7199
Analysis Batch: 460-15062	Date Analyzed: 08/21/2009 1457						DryWt Corrected: Y
Prep Batch: 460-14799	Date Prepared: 08/20/2009 1247						
Percent Solids	94.3		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1856						DryWt Corrected: N

General Chemistry

Client Sample ID: **0916265-AB03926**

Lab Sample ID: 460-4872-6 Date Sampled: 08/12/2009 1145
Client Matrix: Solid Date Received: 08/20/2009 0710

Analyte	Result	Qual	Units	Dil	Method
pH	5.39	H	SU	1.0	9045C
Analysis Batch: 460-15507	Date Analyzed: 08/26/2009 1549				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	504		millivolts	1.0	SM 2580B
Analysis Batch: 460-15417	Date Analyzed: 08/26/2009 1319				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.7		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1856						DryWt Corrected: N
Chromium (hexavalent)	34.2		mg/Kg	4.4	4.4	20	7199
Analysis Batch: 460-15062	Date Analyzed: 08/21/2009 1512						DryWt Corrected: Y
Prep Batch: 460-14799	Date Prepared: 08/20/2009 1247						
Percent Solids	91.3		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1856						DryWt Corrected: N

General Chemistry

Client Sample ID: **0916266-AB03927**

Lab Sample ID: 460-4872-7 Date Sampled: 08/12/2009 1147
Client Matrix: Solid Date Received: 08/20/2009 0710

Analyte	Result	Qual	Units	Dil	Method
pH	5.54	H	SU	1.0	9045C
Analysis Batch: 460-15507	Date Analyzed: 08/26/2009 1550				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	508		millivolts	1.0	SM 2580B
Analysis Batch: 460-15417	Date Analyzed: 08/26/2009 1321				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.2		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1856						DryWt Corrected: N
Chromium (hexavalent)	25.1		mg/Kg	4.3	4.3	20	7199
Analysis Batch: 460-15062	Date Analyzed: 08/21/2009 1526						DryWt Corrected: Y
Prep Batch: 460-14799	Date Prepared: 08/20/2009 1247						
Percent Solids	94.8		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1856						DryWt Corrected: N

General Chemistry

Client Sample ID: **0916267-AB03928**

Lab Sample ID: 460-4872-8 Date Sampled: 08/12/2009 1149
Client Matrix: Solid Date Received: 08/20/2009 0710

Analyte	Result	Qual	Units	Dil	Method
pH	6.80	H	SU	1.0	9045C
Analysis Batch: 460-15507	Date Analyzed: 08/26/2009 1552				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	505		millivolts	1.0	SM 2580B
Analysis Batch: 460-15417	Date Analyzed: 08/26/2009 1323				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1856						DryWt Corrected: N
Chromium (hexavalent)	21.2		mg/Kg	4.1	4.1	20	7199
Analysis Batch: 460-15062	Date Analyzed: 08/21/2009 1556						DryWt Corrected: Y
Prep Batch: 460-14799	Date Prepared: 08/20/2009 1247						
Percent Solids	94.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1856						DryWt Corrected: N

General Chemistry

Client Sample ID: **0916268-AB03929**

Lab Sample ID: 460-4872-9 Date Sampled: 08/12/2009 1151
Client Matrix: Solid Date Received: 08/20/2009 0710

Analyte	Result	Qual	Units	Dil	Method
pH	6.21	H	SU	1.0	9045C
Analysis Batch: 460-15507	Date Analyzed: 08/26/2009 1553				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	499		millivolts	1.0	SM 2580B
Analysis Batch: 460-15417	Date Analyzed: 08/26/2009 1327				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.6		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1856						DryWt Corrected: N
Chromium (hexavalent)	20.7		mg/Kg	2.2	2.2	10	7199
Analysis Batch: 460-15061	Date Analyzed: 08/20/2009 2023						DryWt Corrected: Y
Prep Batch: 460-14799	Date Prepared: 08/20/2009 1247						
Percent Solids	91.4		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1856						DryWt Corrected: N

General Chemistry

Client Sample ID: **0916269-AB03930**

Lab Sample ID: 460-4872-10 Date Sampled: 08/12/2009 1153
Client Matrix: Solid Date Received: 08/20/2009 0710

Analyte	Result	Qual	Units	Dil	Method
pH	6.77	H	SU	1.0	9045C
Analysis Batch: 460-15507	Date Analyzed: 08/26/2009 1554				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	496		millivolts	1.0	SM 2580B
Analysis Batch: 460-15417	Date Analyzed: 08/26/2009 1329				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.5		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N
Chromium (hexavalent)	17.1		mg/Kg	2.2	2.2	10	7199
Analysis Batch: 460-15061	Date Analyzed: 08/20/2009 2051						DryWt Corrected: Y
Prep Batch: 460-14799	Date Prepared: 08/20/2009 1247						
Percent Solids	94.5		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N

General Chemistry

Client Sample ID: **0916270-AB03931**

Lab Sample ID: 460-4872-11 Date Sampled: 08/12/2009 1245
Client Matrix: Solid Date Received: 08/20/2009 0710

Analyte	Result	Qual	Units	Dil	Method
pH	4.53	H	SU	1.0	9045C
Analysis Batch: 460-15507	Date Analyzed: 08/26/2009 1555				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	524		millivolts	1.0	SM 2580B
Analysis Batch: 460-15417	Date Analyzed: 08/26/2009 1331				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.2		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N
Chromium (hexavalent)	45.4		mg/Kg	10.9	10.9	50	7199
Analysis Batch: 460-15062	Date Analyzed: 08/21/2009 1926						DryWt Corrected: Y
Prep Batch: 460-14799	Date Prepared: 08/20/2009 1247						
Percent Solids	92.8		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N

General Chemistry

Client Sample ID: **0916271-AB03932**

Lab Sample ID: 460-4872-12 Date Sampled: 08/12/2009 1248
Client Matrix: Solid Date Received: 08/20/2009 0710

Analyte	Result	Qual	Units	Dil	Method
pH	5.25	H	SU	1.0	9045C
Analysis Batch: 460-15507	Date Analyzed: 08/26/2009 1556				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	517		millivolts	1.0	SM 2580B
Analysis Batch: 460-15417	Date Analyzed: 08/26/2009 1333				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N
Chromium (hexavalent)	38.2		mg/Kg	8.8	8.8	40	7199
Analysis Batch: 460-15062	Date Analyzed: 08/21/2009 1625						DryWt Corrected: Y
Prep Batch: 460-14799	Date Prepared: 08/20/2009 1247						
Percent Solids	91.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N

General Chemistry

Client Sample ID: **0916272-AB03933**

Lab Sample ID: 460-4872-13 Date Sampled: 08/12/2009 1251
Client Matrix: Solid Date Received: 08/20/2009 0710

Analyte	Result	Qual	Units	Dil	Method
pH	5.96	H	SU	1.0	9045C
Analysis Batch: 460-15507	Date Analyzed: 08/26/2009 1557				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	518		millivolts	1.0	SM 2580B
Analysis Batch: 460-15417	Date Analyzed: 08/26/2009 1335				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.0		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N
Chromium (hexavalent)	24.6		mg/Kg	4.3	4.3	20	7199
Analysis Batch: 460-15062	Date Analyzed: 08/21/2009 1640						DryWt Corrected: Y
Prep Batch: 460-14799	Date Prepared: 08/20/2009 1247						
Percent Solids	93.0		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N

General Chemistry

Client Sample ID: **0916273-AB03934**

Lab Sample ID: 460-4872-14 Date Sampled: 08/12/2009 1253
Client Matrix: Solid Date Received: 08/20/2009 0710

Analyte	Result	Qual	Units	Dil	Method
pH	6.57	H	SU	1.0	9045C
Analysis Batch: 460-15507	Date Analyzed: 08/26/2009 1558				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	494		millivolts	1.0	SM 2580B
Analysis Batch: 460-15417	Date Analyzed: 08/26/2009 1337				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	2.4		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N
Chromium (hexavalent)	41.8		mg/Kg	10.3	10.3	50	7199
Analysis Batch: 460-15062	Date Analyzed: 08/21/2009 1654						DryWt Corrected: Y
Prep Batch: 460-14799	Date Prepared: 08/20/2009 1247						
Percent Solids	97.6		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N

General Chemistry

Client Sample ID: **0916274-AB03935**

Lab Sample ID: 460-4872-15 Date Sampled: 08/12/2009 1256
Client Matrix: Solid Date Received: 08/20/2009 0710

Analyte	Result	Qual	Units	Dil	Method
pH	5.62	H	SU	1.0	9045C
Analysis Batch: 460-15513	Date Analyzed: 08/26/2009 0405				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	604		millivolts	1.0	SM 2580B
Analysis Batch: 460-15417	Date Analyzed: 08/26/2009 1345				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.0		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N
Chromium (hexavalent)	51.3		mg/Kg	11.1	11.1	50	7199
Analysis Batch: 460-15062	Date Analyzed: 08/21/2009 1730						DryWt Corrected: Y
Prep Batch: 460-14799	Date Prepared: 08/20/2009 1247						
Percent Solids	91.0		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N

General Chemistry

Client Sample ID: **0916275-AB03936**

Lab Sample ID: 460-4872-16 Date Sampled: 08/12/2009 1258
Client Matrix: Solid Date Received: 08/20/2009 0710

Analyte	Result	Qual	Units	Dil	Method
pH	5.33	H	SU	1.0	9045C
Analysis Batch: 460-15513	Date Analyzed: 08/26/2009 0407				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	496		millivolts	1.0	SM 2580B
Analysis Batch: 460-15417	Date Analyzed: 08/26/2009 1348				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.5		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N
Chromium (hexavalent)	37.5		mg/Kg	8.4	8.4	40	7199
Analysis Batch: 460-15062	Date Analyzed: 08/21/2009 1758						DryWt Corrected: Y
Prep Batch: 460-14799	Date Prepared: 08/20/2009 1247						
Percent Solids	94.5		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N

General Chemistry

Client Sample ID: **0916276-AB03937**

Lab Sample ID: 460-4872-17 Date Sampled: 08/12/2009 1300
Client Matrix: Solid Date Received: 08/20/2009 0710

Analyte	Result	Qual	Units	Dil	Method
pH	3.73	H	SU	1.0	9045C
Analysis Batch: 460-15513	Date Analyzed: 08/26/2009 0408				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	527		millivolts	1.0	SM 2580B
Analysis Batch: 460-15417	Date Analyzed: 08/26/2009 1350				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	1.0	U	%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N
Chromium (hexavalent)	20.2		mg/Kg	3.9	3.9	20	7199
Analysis Batch: 460-15062	Date Analyzed: 08/21/2009 1813						DryWt Corrected: Y
Prep Batch: 460-14799	Date Prepared: 08/20/2009 1247						
Percent Solids	105		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N

General Chemistry

Client Sample ID: **0916277-AB03938**

Lab Sample ID: 460-4872-18 Date Sampled: 08/12/2009 1302
Client Matrix: Solid Date Received: 08/20/2009 0710

Analyte	Result	Qual	Units	Dil	Method
pH	5.42	H	SU	1.0	9045C
Analysis Batch: 460-15513	Date Analyzed: 08/26/2009 0409				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	503		millivolts	1.0	SM 2580B
Analysis Batch: 460-15417	Date Analyzed: 08/26/2009 1353				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N
Chromium (hexavalent)	55.6		mg/Kg	10.6	10.6	50	7199
Analysis Batch: 460-15062	Date Analyzed: 08/21/2009 1820						DryWt Corrected: Y
Prep Batch: 460-14799	Date Prepared: 08/20/2009 1247						
Percent Solids	94.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N

General Chemistry

Client Sample ID: **0916278-AB03939**

Lab Sample ID: 460-4872-19 Date Sampled: 08/12/2009 1303
Client Matrix: Solid Date Received: 08/20/2009 0710

Analyte	Result	Qual	Units	Dil	Method
pH	5.54	H	SU	1.0	9045C
Analysis Batch: 460-15513	Date Analyzed: 08/26/2009 0410				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	498		millivolts	1.0	SM 2580B
Analysis Batch: 460-15417	Date Analyzed: 08/26/2009 1355				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.2		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N
Chromium (hexavalent)	35.4		mg/Kg	8.4	8.4	40	7199
Analysis Batch: 460-15062	Date Analyzed: 08/21/2009 1856						DryWt Corrected: Y
Prep Batch: 460-14799	Date Prepared: 08/20/2009 1247						
Percent Solids	94.8		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N

General Chemistry

Client Sample ID: **0916279-AB03940**

Lab Sample ID: 460-4872-20 Date Sampled: 08/12/2009 1305
Client Matrix: Solid Date Received: 08/20/2009 0710

Analyte	Result	Qual	Units	Dil	Method
pH	3.97	H	SU	1.0	9045C
Analysis Batch: 460-15513	Date Analyzed: 08/26/2009 0411				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	572		millivolts	1.0	SM 2580B
Analysis Batch: 460-15417	Date Analyzed: 08/26/2009 1357				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10.7		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N
Chromium (hexavalent)	54.3		mg/Kg	11.2	11.2	50	7199
Analysis Batch: 460-15062	Date Analyzed: 08/21/2009 1904						DryWt Corrected: Y
Prep Batch: 460-14799	Date Prepared: 08/20/2009 1247						
Percent Solids	89.3		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N

General Chemistry

Client Sample ID: **0916280-AB03941**

Lab Sample ID: 460-4872-21 Date Sampled: 08/12/2009 1340
Client Matrix: Solid Date Received: 08/20/2009 0710

Analyte	Result	Qual	Units	Dil	Method
pH	5.95	H	SU	1.0	9045C
Analysis Batch: 460-15513	Date Analyzed: 08/26/2009 0412				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	578		millivolts	1.0	SM 2580B
Analysis Batch: 460-15417	Date Analyzed: 08/26/2009 1402				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.3		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N
Chromium (hexavalent)	3.9		mg/Kg	2.1	2.1	10	7199
Analysis Batch: 460-15125	Date Analyzed: 08/24/2009 1948						DryWt Corrected: Y
Prep Batch: 460-14913	Date Prepared: 08/21/2009 1252						
Percent Solids	96.7		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N

General Chemistry

Client Sample ID: **0916281-AB03942**

Lab Sample ID: 460-4872-22 Date Sampled: 08/12/2009 1355
Client Matrix: Solid Date Received: 08/20/2009 0710

Analyte	Result	Qual	Units	Dil	Method
pH	4.29	H	SU	1.0	9045C
Analysis Batch: 460-15513	Date Analyzed: 08/26/2009 0418				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	597		millivolts	1.0	SM 2580B
Analysis Batch: 460-15417	Date Analyzed: 08/26/2009 1406				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.3		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N
Chromium (hexavalent)	33.3		mg/Kg	9.0	9.0	40	7199
Analysis Batch: 460-15374	Date Analyzed: 08/26/2009 1243						DryWt Corrected: Y
Prep Batch: 460-14913	Date Prepared: 08/21/2009 1252						
Percent Solids	91.7		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N

General Chemistry

Client Sample ID: **0916282-AB03943**

Lab Sample ID: 460-4872-23 Date Sampled: 08/12/2009 1344
Client Matrix: Solid Date Received: 08/20/2009 0710

Analyte	Result	Qual	Units	Dil	Method
pH	6.38	H	SU	1.0	9045C
Analysis Batch: 460-15513	Date Analyzed: 08/26/2009 0419				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	499		millivolts	1.0	SM 2580B
Analysis Batch: 460-15417	Date Analyzed: 08/26/2009 1408				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N
Chromium (hexavalent)	8.6		mg/Kg	2.2	2.2	10	7199
Analysis Batch: 460-15125	Date Analyzed: 08/24/2009 2017						DryWt Corrected: Y
Prep Batch: 460-14913	Date Prepared: 08/21/2009 1252						
Percent Solids	94.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N

General Chemistry

Client Sample ID: **0916283-AB03944**

Lab Sample ID: 460-4872-24 Date Sampled: 08/12/2009 1356
Client Matrix: Solid Date Received: 08/20/2009 0710

Analyte	Result	Qual	Units	Dil	Method
pH	5.45	H	SU	1.0	9045C
Analysis Batch: 460-15513	Date Analyzed: 08/26/2009 0420				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	508		millivolts	1.0	SM 2580B
Analysis Batch: 460-15417	Date Analyzed: 08/26/2009 1410				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.3		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N
Chromium (hexavalent)	26.7		mg/Kg	4.2	4.2	20	7199
Analysis Batch: 460-15374	Date Analyzed: 08/26/2009 1258						DryWt Corrected: Y
Prep Batch: 460-14913	Date Prepared: 08/21/2009 1252						
Percent Solids	96.7		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N

General Chemistry

Client Sample ID: **0916284-AB03945**

Lab Sample ID: 460-4872-25 Date Sampled: 08/12/2009 1357
Client Matrix: Solid Date Received: 08/20/2009 0710

Analyte	Result	Qual	Units	Dil	Method
pH	5.56	H	SU	1.0	9045C
Analysis Batch: 460-15513	Date Analyzed: 08/26/2009 0421				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	508		millivolts	1.0	SM 2580B
Analysis Batch: 460-15417	Date Analyzed: 08/26/2009 1412				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.4		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N
Chromium (hexavalent)	4.7		mg/Kg	2.0	2.0	10	7199
Analysis Batch: 460-15125	Date Analyzed: 08/24/2009 2053						DryWt Corrected: Y
Prep Batch: 460-14913	Date Prepared: 08/21/2009 1252						
Percent Solids	94.6		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N

General Chemistry

Client Sample ID: **0916285-AB03946**

Lab Sample ID: 460-4872-26 Date Sampled: 08/12/2009 1400
Client Matrix: Solid Date Received: 08/20/2009 0710

Analyte	Result	Qual	Units	Dil	Method
pH	5.35	H	SU	1.0	9045C
Analysis Batch: 460-15513	Date Analyzed: 08/26/2009 0422				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	546		millivolts	1.0	SM 2580B
Analysis Batch: 460-15417	Date Analyzed: 08/26/2009 1416				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.3		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N
Chromium (hexavalent)	18.0		mg/Kg	2.1	2.1	10	7199
Analysis Batch: 460-15374	Date Analyzed: 08/26/2009 1108						DryWt Corrected: Y
Prep Batch: 460-14913	Date Prepared: 08/21/2009 1252						
Percent Solids	96.7		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N

General Chemistry

Client Sample ID: **0916286-AB03947**

Lab Sample ID: 460-4872-27 Date Sampled: 08/12/2009 1402
Client Matrix: Solid Date Received: 08/20/2009 0710

Analyte	Result	Qual	Units	Dil	Method
pH	6.12	H	SU	1.0	9045C
Analysis Batch: 460-15513	Date Analyzed: 08/26/2009 0423				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	527		millivolts	1.0	SM 2580B
Analysis Batch: 460-15417	Date Analyzed: 08/26/2009 1418				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N
Chromium (hexavalent)	3.9		mg/Kg	2.2	2.2	10	7199
Analysis Batch: 460-15374	Date Analyzed: 08/26/2009 1123						DryWt Corrected: Y
Prep Batch: 460-14913	Date Prepared: 08/21/2009 1252						
Percent Solids	94.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N

General Chemistry

Client Sample ID: **0916287-AB03948**

Lab Sample ID: 460-4872-28 Date Sampled: 08/12/2009 1405
Client Matrix: Solid Date Received: 08/20/2009 0710

Analyte	Result	Qual	Units	Dil	Method
pH	5.96	H	SU	1.0	9045C
Analysis Batch: 460-15513	Date Analyzed: 08/26/2009 0424				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	505		millivolts	1.0	SM 2580B
Analysis Batch: 460-15417	Date Analyzed: 08/26/2009 1420				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	4.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N
Chromium (hexavalent)	7.9		mg/Kg	2.1	2.1	10	7199
Analysis Batch: 460-15374	Date Analyzed: 08/26/2009 1200						DryWt Corrected: Y
Prep Batch: 460-14913	Date Prepared: 08/21/2009 1252						
Percent Solids	95.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1926						DryWt Corrected: N

General Chemistry

Client Sample ID: **0916288-AB03949**

Lab Sample ID: 460-4872-29 Date Sampled: 08/12/2009 1406
Client Matrix: Solid Date Received: 08/20/2009 0710

Analyte	Result	Qual	Units	Dil	Method
pH	6.20	H	SU	1.0	9045C
Analysis Batch: 460-15513	Date Analyzed: 08/26/2009 0425				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	508		millivolts	1.0	SM 2580B
Analysis Batch: 460-15417	Date Analyzed: 08/26/2009 1422				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1936						DryWt Corrected: N
Chromium (hexavalent)	2.8		mg/Kg	2.2	2.2	10	7199
Analysis Batch: 460-15374	Date Analyzed: 08/26/2009 1214						DryWt Corrected: Y
Prep Batch: 460-14913	Date Prepared: 08/21/2009 1252						
Percent Solids	90.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1936						DryWt Corrected: N

General Chemistry

Client Sample ID: **0916289-AB03950**

Lab Sample ID: 460-4872-30 Date Sampled: 08/12/2009 1411
Client Matrix: Solid Date Received: 08/20/2009 0710

Analyte	Result	Qual	Units	Dil	Method
pH	5.23	H	SU	1.0	9045C
Analysis Batch: 460-15513	Date Analyzed: 08/26/2009 0426				DryWt Corrected: N
Oxidation Reduction Potential-Soluble	527		millivolts	1.0	SM 2580B
Analysis Batch: 460-15417	Date Analyzed: 08/26/2009 1424				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	4.4		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1936						DryWt Corrected: N
Chromium (hexavalent)	4.5		mg/Kg	2.1	2.1	10	7199
Analysis Batch: 460-15374	Date Analyzed: 08/26/2009 1222						DryWt Corrected: Y
Prep Batch: 460-14913	Date Prepared: 08/21/2009 1252						
Percent Solids	95.6		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-14833	Date Analyzed: 08/20/2009 1936						DryWt Corrected: N

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

Method Blank - Batch: 460-14799

Method: 7199
Preparation: 3060A

Lab Sample ID: MB 460-14799/1-A ^10
Client Matrix: Solid
Dilution: 10
Date Analyzed: 08/20/2009 1630
Date Prepared: 08/20/2009 1247

Analysis Batch: 460-15061
Prep Batch: 460-14799
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: 8201630.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	RL	RL
Chromium (hexavalent)	2.0	U	2.0	2.0

Lab Control Sample - Batch: 460-14799

Method: 7199
Preparation: 3060A

Lab Sample ID: LCS 460-14799/2-A ^10
Client Matrix: Solid
Dilution: 10
Date Analyzed: 08/20/2009 1652
Date Prepared: 08/20/2009 1247

Analysis Batch: 460-15061
Prep Batch: 460-14799
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: 8201652.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	5.24	5.14	98	85 - 115	

Lab Control Sample Insoluble - Batch: 460-14799

Method: 7199
Preparation: 3060A

Lab Sample ID: LCSI 460-14799/3-A ^500
Client Matrix: Solid
Dilution: 500
Date Analyzed: 08/20/2009 1706
Date Prepared: 08/20/2009 1247

Analysis Batch: 460-15061
Prep Batch: 460-14799
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: 8201706.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	708	685.1	97	85 - 115	

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

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

Matrix Spike - Batch: 460-14799

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-4872-1
Client Matrix: Solid
Dilution: 40
Date Analyzed: 08/20/2009 1735
Date Prepared: 08/20/2009 1247

Analysis Batch: 460-15061
Prep Batch: 460-14799
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: 8201735.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	27.5	41.9	60.08	78	75 - 125	

Matrix Spike Insoluble - Batch: 460-14799

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-4872-1
Client Matrix: Solid
Dilution: 500
Date Analyzed: 08/20/2009 1757
Date Prepared: 08/20/2009 1247

Analysis Batch: 460-15061
Prep Batch: 460-14799
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: 8201757.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	27.5	742	583.7	75	75 - 125	

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

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

Duplicate - Batch: 460-14799

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-4872-1
Client Matrix: Solid
Dilution: 20
Date Analyzed: 08/21/2009 1351
Date Prepared: 08/20/2009 1247

Analysis Batch: 460-15062
Prep Batch: 460-14799
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: 8211351.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chromium (hexavalent)	27.5	26.36	4	20	

Duplicate - Batch: 460-14799

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-4872-15
Client Matrix: Solid
Dilution: 50
Date Analyzed: 08/21/2009 1744
Date Prepared: 08/20/2009 1247

Analysis Batch: 460-15062
Prep Batch: 460-14799
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: 8211744.CHW
Initial Weight/Volume: 2.52 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chromium (hexavalent)	51.3	52.80	3	20	

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

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

Method Blank - Batch: 460-14913

Method: 7199
Preparation: 3060A

Lab Sample ID: MB 460-14913/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/24/2009 1758
Date Prepared: 08/21/2009 1252

Analysis Batch: 460-15125
Prep Batch: 460-14913
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: 8241758.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	RL	RL
Chromium (hexavalent)	0.20	U	0.20	0.20

Lab Control Sample - Batch: 460-14913

Method: 7199
Preparation: 3060A

Lab Sample ID: LCS 460-14913/2-A ^10
Client Matrix: Solid
Dilution: 10
Date Analyzed: 08/24/2009 1820
Date Prepared: 08/21/2009 1252

Analysis Batch: 460-15125
Prep Batch: 460-14913
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: 8241820.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	5.24	5.13	98	85 - 115	

Lab Control Sample Insoluble - Batch: 460-14913

Method: 7199
Preparation: 3060A

Lab Sample ID: LCSI 460-14913/3-A ^500
Client Matrix: Solid
Dilution: 500
Date Analyzed: 08/24/2009 1835
Date Prepared: 08/21/2009 1252

Analysis Batch: 460-15125
Prep Batch: 460-14913
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: 8241835.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	708	686.7	97	85 - 115	

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

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

Matrix Spike - Batch: 460-14913

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-4872-A-21-B MS ^40
Client Matrix: Solid
Dilution: 40
Date Analyzed: 08/24/2009 1911
Date Prepared: 08/21/2009 1252

Analysis Batch: 460-15125
Prep Batch: 460-14913
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: 8241911.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	3.8	41.3	45.19	100	75 - 125	

Matrix Spike Insoluble - Batch: 460-14913

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-4872-21
Client Matrix: Solid
Dilution: 500
Date Analyzed: 08/24/2009 1926
Date Prepared: 08/21/2009 1252

Analysis Batch: 460-15125
Prep Batch: 460-14913
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: 8241926.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	732	577.2	78	75 - 125	

Duplicate - Batch: 460-14913

Method: 7199
Preparation: 3060A

Lab Sample ID: 460-4872-A-21-A DU ^10
Client Matrix: Solid
Dilution: 10
Date Analyzed: 08/24/2009 1857
Date Prepared: 08/21/2009 1252

Analysis Batch: 460-15125
Prep Batch: 460-14913
Units: mg/Kg

Instrument ID: Metrohm Peak Ion
Lab File ID: 8241857.CHW
Initial Weight/Volume: 2.50 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chromium (hexavalent)	3.8	5.24	31	20	

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

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

Method Blank - Batch: 460-15507

Method: 9045C
Preparation: N/A

Lab Sample ID: MB 460-15507/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/26/2009 1540
Date Prepared: N/A

Analysis Batch: 460-15507
Prep Batch: N/A
Units: SU

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20 g
Final Weight/Volume: 20 mL

Analyte	Result	Qual	NONE	NONE
pH	5.810			

Lab Control Sample - Batch: 460-15507

Method: 9045C
Preparation: N/A

Lab Sample ID: LCS 460-15507/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/26/2009 1541
Date Prepared: N/A

Analysis Batch: 460-15507
Prep Batch: N/A
Units: SU

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20 g
Final Weight/Volume: 20 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
pH	5.96	5.940	100	95 - 105	

Duplicate - Batch: 460-15507

Method: 9045C
Preparation: N/A

Lab Sample ID: 460-4872-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/26/2009 1544
Date Prepared: N/A

Analysis Batch: 460-15507
Prep Batch: N/A
Units: SU

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20 g
Final Weight/Volume: 20 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	5.43	5.390	1	10	H

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

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

Method Blank - Batch: 460-15513

Method: 9045C
Preparation: N/A

Lab Sample ID: MB 460-15513/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/26/2009 0402
Date Prepared: N/A

Analysis Batch: 460-15513
Prep Batch: N/A
Units: SU

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20 g
Final Weight/Volume: 20 mL

Analyte	Result	Qual	NONE	NONE
pH	5.980			

Lab Control Sample - Batch: 460-15513

Method: 9045C
Preparation: N/A

Lab Sample ID: LCS 460-15513/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/26/2009 0403
Date Prepared: N/A

Analysis Batch: 460-15513
Prep Batch: N/A
Units: SU

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20 g
Final Weight/Volume: 20 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
pH	5.96	5.890	99	95 - 105	

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

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

Duplicate - Batch: 460-15513

Method: 9045C
Preparation: N/A

Lab Sample ID: 460-4872-15
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/26/2009 0406
Date Prepared: N/A

Analysis Batch: 460-15513
Prep Batch: N/A
Units: SU

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20 g
Final Weight/Volume: 20 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	5.62	5.590	1	10	H

Duplicate - Batch: 460-15513

Method: 9045C
Preparation: N/A

Lab Sample ID: 460-4872-21
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/26/2009 0417
Date Prepared: N/A

Analysis Batch: 460-15513
Prep Batch: N/A
Units: SU

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20 g
Final Weight/Volume: 20 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	5.95	5.970	0	10	H

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

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

Lab Control Sample - Batch: 460-15417

Method: SM 2580B
Preparation: N/A

Lab Sample ID: LCS 460-15412/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/26/2009 1305
Date Prepared: N/A
Date Leached: 08/26/2009 1010

Analysis Batch: 460-15417
Prep Batch: N/A
Units: millivolts

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Oxidation Reduction Potential-Soluble	679	681.0	100	98 - 102	

Lab Control Sample - Batch: 460-15417

Method: SM 2580B
Preparation: N/A

Lab Sample ID: LCS 460-15412/26-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/26/2009 1359
Date Prepared: N/A
Date Leached: 08/26/2009 1010

Analysis Batch: 460-15417
Prep Batch: N/A
Units: millivolts

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Oxidation Reduction Potential-Soluble	679	680.0	100	98 - 102	

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

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

Duplicate - Batch: 460-15417

Method: SM 2580B
Preparation: N/A

Lab Sample ID: 460-4872-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/26/2009 1309
Date Prepared: N/A
Date Leached: 08/26/2009 1010

Analysis Batch: 460-15417
Prep Batch: N/A
Units: millivolts

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Oxidation Reduction Potential-Soluble	563	565.0	0	10	

Duplicate - Batch: 460-15417

Method: SM 2580B
Preparation: N/A

Lab Sample ID: 460-4872-15
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/26/2009 1347
Date Prepared: N/A
Date Leached: 08/26/2009 1010

Analysis Batch: 460-15417
Prep Batch: N/A
Units: millivolts

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Oxidation Reduction Potential-Soluble	604	602.0	0	10	

Duplicate - Batch: 460-15417

Method: SM 2580B
Preparation: N/A

Lab Sample ID: 460-4872-21
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/26/2009 1404
Date Prepared: N/A
Date Leached: 08/26/2009 1010

Analysis Batch: 460-15417
Prep Batch: N/A
Units: millivolts

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Oxidation Reduction Potential-Soluble	578	574.0	1	10	

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

DATA REPORTING QUALIFIERS

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

Lab Section	Qualifier	Description
General Chemistry		
	U	Indicates the analyte was analyzed for but not detected.
	H	Sample was prepped or analyzed beyond the specified holding time

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 460-14799					
LCS 460-14799/2-A ^10	Lab Control Sample	T	Solid	3060A	
LCSI 460-14799/3-A ^500	Lab Control Sample Insoluble	T	Solid	3060A	
MB 460-14799/1-A ^10	Method Blank	T	Solid	3060A	
460-4872-1	0916260-AB03921	T	Solid	3060A	
460-4872-1DU	Duplicate	T	Solid	3060A	
460-4872-1MS	Matrix Spike	T	Solid	3060A	
460-4872-1	Matrix Spike Insoluble	T	Solid	3060A	
460-4872-2	0916261-AB03922	T	Solid	3060A	
460-4872-3	0916262-AB03923	T	Solid	3060A	
460-4872-4	0916263-AB03924	T	Solid	3060A	
460-4872-5	0916264-AB03925	T	Solid	3060A	
460-4872-6	0916265-AB03926	T	Solid	3060A	
460-4872-7	0916266-AB03927	T	Solid	3060A	
460-4872-8	0916267-AB03928	T	Solid	3060A	
460-4872-9	0916268-AB03929	T	Solid	3060A	
460-4872-10	0916269-AB03930	T	Solid	3060A	
460-4872-11	0916270-AB03931	T	Solid	3060A	
460-4872-12	0916271-AB03932	T	Solid	3060A	
460-4872-13	0916272-AB03933	T	Solid	3060A	
460-4872-14	0916273-AB03934	T	Solid	3060A	
460-4872-15	0916274-AB03935	T	Solid	3060A	
460-4872-15DU	Duplicate	T	Solid	3060A	
460-4872-16	0916275-AB03936	T	Solid	3060A	
460-4872-17	0916276-AB03937	T	Solid	3060A	
460-4872-18	0916277-AB03938	T	Solid	3060A	
460-4872-19	0916278-AB03939	T	Solid	3060A	
460-4872-20	0916279-AB03940	T	Solid	3060A	

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:460-14833					
460-4872-1	0916260-AB03921	T	Solid	Moisture	
460-4872-2	0916261-AB03922	T	Solid	Moisture	
460-4872-3	0916262-AB03923	T	Solid	Moisture	
460-4872-4	0916263-AB03924	T	Solid	Moisture	
460-4872-5	0916264-AB03925	T	Solid	Moisture	
460-4872-6	0916265-AB03926	T	Solid	Moisture	
460-4872-7	0916266-AB03927	T	Solid	Moisture	
460-4872-8	0916267-AB03928	T	Solid	Moisture	
460-4872-9	0916268-AB03929	T	Solid	Moisture	
460-4872-10	0916269-AB03930	T	Solid	Moisture	
460-4872-11	0916270-AB03931	T	Solid	Moisture	
460-4872-12	0916271-AB03932	T	Solid	Moisture	
460-4872-13	0916272-AB03933	T	Solid	Moisture	
460-4872-14	0916273-AB03934	T	Solid	Moisture	
460-4872-15	0916274-AB03935	T	Solid	Moisture	
460-4872-16	0916275-AB03936	T	Solid	Moisture	
460-4872-17	0916276-AB03937	T	Solid	Moisture	
460-4872-18	0916277-AB03938	T	Solid	Moisture	
460-4872-19	0916278-AB03939	T	Solid	Moisture	
460-4872-20	0916279-AB03940	T	Solid	Moisture	
460-4872-21	0916280-AB03941	T	Solid	Moisture	
460-4872-22	0916281-AB03942	T	Solid	Moisture	
460-4872-23	0916282-AB03943	T	Solid	Moisture	
460-4872-24	0916283-AB03944	T	Solid	Moisture	
460-4872-25	0916284-AB03945	T	Solid	Moisture	
460-4872-26	0916285-AB03946	T	Solid	Moisture	
460-4872-27	0916286-AB03947	T	Solid	Moisture	
460-4872-28	0916287-AB03948	T	Solid	Moisture	
460-4872-29	0916288-AB03949	T	Solid	Moisture	
460-4872-30	0916289-AB03950	T	Solid	Moisture	

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 460-14913					
LCS 460-14913/2-A ^10	Lab Control Sample	T	Solid	3060A	
LCSI 460-14913/3-A ^500	Lab Control Sample Insoluble	T	Solid	3060A	
MB 460-14913/1-A	Method Blank	T	Solid	3060A	
460-4872-A-21-A DU ^10DU	Duplicate	T	Solid	3060A	
460-4872-A-21-B MS ^40MS	Matrix Spike	T	Solid	3060A	
460-4872-21	0916280-AB03941	T	Solid	3060A	
460-4872-21	Matrix Spike Insoluble	T	Solid	3060A	
460-4872-22	0916281-AB03942	T	Solid	3060A	
460-4872-23	0916282-AB03943	T	Solid	3060A	
460-4872-24	0916283-AB03944	T	Solid	3060A	
460-4872-25	0916284-AB03945	T	Solid	3060A	
460-4872-26	0916285-AB03946	T	Solid	3060A	
460-4872-27	0916286-AB03947	T	Solid	3060A	
460-4872-28	0916287-AB03948	T	Solid	3060A	
460-4872-29	0916288-AB03949	T	Solid	3060A	
460-4872-30	0916289-AB03950	T	Solid	3060A	
Analysis Batch:460-15061					
LCS 460-14799/2-A ^10	Lab Control Sample	T	Solid	7199	460-14799
LCSI 460-14799/3-A ^500	Lab Control Sample Insoluble	T	Solid	7199	460-14799
MB 460-14799/1-A ^10	Method Blank	T	Solid	7199	460-14799
460-4872-1MS	Matrix Spike	T	Solid	7199	460-14799
460-4872-1	Matrix Spike Insoluble	T	Solid	7199	460-14799
460-4872-2	0916261-AB03922	T	Solid	7199	460-14799
460-4872-9	0916268-AB03929	T	Solid	7199	460-14799
460-4872-10	0916269-AB03930	T	Solid	7199	460-14799

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:460-15062					
460-4872-1	0916260-AB03921	T	Solid	7199	460-14799
460-4872-1DU	Duplicate	T	Solid	7199	460-14799
460-4872-3	0916262-AB03923	T	Solid	7199	460-14799
460-4872-4	0916263-AB03924	T	Solid	7199	460-14799
460-4872-5	0916264-AB03925	T	Solid	7199	460-14799
460-4872-6	0916265-AB03926	T	Solid	7199	460-14799
460-4872-7	0916266-AB03927	T	Solid	7199	460-14799
460-4872-8	0916267-AB03928	T	Solid	7199	460-14799
460-4872-11	0916270-AB03931	T	Solid	7199	460-14799
460-4872-12	0916271-AB03932	T	Solid	7199	460-14799
460-4872-13	0916272-AB03933	T	Solid	7199	460-14799
460-4872-14	0916273-AB03934	T	Solid	7199	460-14799
460-4872-15	0916274-AB03935	T	Solid	7199	460-14799
460-4872-15DU	Duplicate	T	Solid	7199	460-14799
460-4872-16	0916275-AB03936	T	Solid	7199	460-14799
460-4872-17	0916276-AB03937	T	Solid	7199	460-14799
460-4872-18	0916277-AB03938	T	Solid	7199	460-14799
460-4872-19	0916278-AB03939	T	Solid	7199	460-14799
460-4872-20	0916279-AB03940	T	Solid	7199	460-14799
Analysis Batch:460-15125					
LCS 460-14913/2-A ^10	Lab Control Sample	T	Solid	7199	460-14913
LCSI 460-14913/3-A ^500	Lab Control Sample Insoluble	T	Solid	7199	460-14913
MB 460-14913/1-A	Method Blank	T	Solid	7199	460-14913
460-4872-A-21-A DU ^10DU	Duplicate	T	Solid	7199	460-14913
460-4872-A-21-B MS ^40MS	Matrix Spike	T	Solid	7199	460-14913
460-4872-21	0916280-AB03941	T	Solid	7199	460-14913
460-4872-21	Matrix Spike Insoluble	T	Solid	7199	460-14913
460-4872-23	0916282-AB03943	T	Solid	7199	460-14913
460-4872-25	0916284-AB03945	T	Solid	7199	460-14913
Analysis Batch:460-15374					
460-4872-22	0916281-AB03942	T	Solid	7199	460-14913
460-4872-24	0916283-AB03944	T	Solid	7199	460-14913
460-4872-26	0916285-AB03946	T	Solid	7199	460-14913
460-4872-27	0916286-AB03947	T	Solid	7199	460-14913
460-4872-28	0916287-AB03948	T	Solid	7199	460-14913
460-4872-29	0916288-AB03949	T	Solid	7199	460-14913
460-4872-30	0916289-AB03950	T	Solid	7199	460-14913

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 460-15412					
LCS 460-15412/1-A	Lab Control Sample	S	Solid	DI Leach	
LCS 460-15412/26-A	Lab Control Sample	S	Solid	DI Leach	
460-4872-1	0916260-AB03921	S	Solid	DI Leach	
460-4872-1DU	Duplicate	S	Solid	DI Leach	
460-4872-2	0916261-AB03922	S	Solid	DI Leach	
460-4872-3	0916262-AB03923	S	Solid	DI Leach	
460-4872-4	0916263-AB03924	S	Solid	DI Leach	
460-4872-5	0916264-AB03925	S	Solid	DI Leach	
460-4872-6	0916265-AB03926	S	Solid	DI Leach	
460-4872-7	0916266-AB03927	S	Solid	DI Leach	
460-4872-8	0916267-AB03928	S	Solid	DI Leach	
460-4872-9	0916268-AB03929	S	Solid	DI Leach	
460-4872-10	0916269-AB03930	S	Solid	DI Leach	
460-4872-11	0916270-AB03931	S	Solid	DI Leach	
460-4872-12	0916271-AB03932	S	Solid	DI Leach	
460-4872-13	0916272-AB03933	S	Solid	DI Leach	
460-4872-14	0916273-AB03934	S	Solid	DI Leach	
460-4872-15	0916274-AB03935	S	Solid	DI Leach	
460-4872-15DU	Duplicate	S	Solid	DI Leach	
460-4872-16	0916275-AB03936	S	Solid	DI Leach	
460-4872-17	0916276-AB03937	S	Solid	DI Leach	
460-4872-18	0916277-AB03938	S	Solid	DI Leach	
460-4872-19	0916278-AB03939	S	Solid	DI Leach	
460-4872-20	0916279-AB03940	S	Solid	DI Leach	
460-4872-21	0916280-AB03941	S	Solid	DI Leach	
460-4872-21DU	Duplicate	S	Solid	DI Leach	
460-4872-22	0916281-AB03942	S	Solid	DI Leach	
460-4872-23	0916282-AB03943	S	Solid	DI Leach	
460-4872-24	0916283-AB03944	S	Solid	DI Leach	
460-4872-25	0916284-AB03945	S	Solid	DI Leach	
460-4872-26	0916285-AB03946	S	Solid	DI Leach	
460-4872-27	0916286-AB03947	S	Solid	DI Leach	
460-4872-28	0916287-AB03948	S	Solid	DI Leach	
460-4872-29	0916288-AB03949	S	Solid	DI Leach	
460-4872-30	0916289-AB03950	S	Solid	DI Leach	

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:460-15417					
LCS 460-15412/1-A	Lab Control Sample	S	Solid	SM 2580B	
LCS 460-15412/26-A	Lab Control Sample	S	Solid	SM 2580B	
460-4872-1	0916260-AB03921	S	Solid	SM 2580B	
460-4872-1DU	Duplicate	S	Solid	SM 2580B	
460-4872-2	0916261-AB03922	S	Solid	SM 2580B	
460-4872-3	0916262-AB03923	S	Solid	SM 2580B	
460-4872-4	0916263-AB03924	S	Solid	SM 2580B	
460-4872-5	0916264-AB03925	S	Solid	SM 2580B	
460-4872-6	0916265-AB03926	S	Solid	SM 2580B	
460-4872-7	0916266-AB03927	S	Solid	SM 2580B	
460-4872-8	0916267-AB03928	S	Solid	SM 2580B	
460-4872-9	0916268-AB03929	S	Solid	SM 2580B	
460-4872-10	0916269-AB03930	S	Solid	SM 2580B	
460-4872-11	0916270-AB03931	S	Solid	SM 2580B	
460-4872-12	0916271-AB03932	S	Solid	SM 2580B	
460-4872-13	0916272-AB03933	S	Solid	SM 2580B	
460-4872-14	0916273-AB03934	S	Solid	SM 2580B	
460-4872-15	0916274-AB03935	S	Solid	SM 2580B	
460-4872-15DU	Duplicate	S	Solid	SM 2580B	
460-4872-16	0916275-AB03936	S	Solid	SM 2580B	
460-4872-17	0916276-AB03937	S	Solid	SM 2580B	
460-4872-18	0916277-AB03938	S	Solid	SM 2580B	
460-4872-19	0916278-AB03939	S	Solid	SM 2580B	
460-4872-20	0916279-AB03940	S	Solid	SM 2580B	
460-4872-21	0916280-AB03941	S	Solid	SM 2580B	
460-4872-21DU	Duplicate	S	Solid	SM 2580B	
460-4872-22	0916281-AB03942	S	Solid	SM 2580B	
460-4872-23	0916282-AB03943	S	Solid	SM 2580B	
460-4872-24	0916283-AB03944	S	Solid	SM 2580B	
460-4872-25	0916284-AB03945	S	Solid	SM 2580B	
460-4872-26	0916285-AB03946	S	Solid	SM 2580B	
460-4872-27	0916286-AB03947	S	Solid	SM 2580B	
460-4872-28	0916287-AB03948	S	Solid	SM 2580B	
460-4872-29	0916288-AB03949	S	Solid	SM 2580B	
460-4872-30	0916289-AB03950	S	Solid	SM 2580B	

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:460-15507					
LCS 460-15507/2	Lab Control Sample	T	Solid	9045C	
MB 460-15507/1	Method Blank	T	Solid	9045C	
460-4872-1	0916260-AB03921	T	Solid	9045C	
460-4872-1DU	Duplicate	T	Solid	9045C	
460-4872-2	0916261-AB03922	T	Solid	9045C	
460-4872-3	0916262-AB03923	T	Solid	9045C	
460-4872-4	0916263-AB03924	T	Solid	9045C	
460-4872-5	0916264-AB03925	T	Solid	9045C	
460-4872-6	0916265-AB03926	T	Solid	9045C	
460-4872-7	0916266-AB03927	T	Solid	9045C	
460-4872-8	0916267-AB03928	T	Solid	9045C	
460-4872-9	0916268-AB03929	T	Solid	9045C	
460-4872-10	0916269-AB03930	T	Solid	9045C	
460-4872-11	0916270-AB03931	T	Solid	9045C	
460-4872-12	0916271-AB03932	T	Solid	9045C	
460-4872-13	0916272-AB03933	T	Solid	9045C	
460-4872-14	0916273-AB03934	T	Solid	9045C	
Analysis Batch:460-15513					
LCS 460-15513/2	Lab Control Sample	T	Solid	9045C	
MB 460-15513/1	Method Blank	T	Solid	9045C	
460-4872-15	0916274-AB03935	T	Solid	9045C	
460-4872-15DU	Duplicate	T	Solid	9045C	
460-4872-16	0916275-AB03936	T	Solid	9045C	
460-4872-17	0916276-AB03937	T	Solid	9045C	
460-4872-18	0916277-AB03938	T	Solid	9045C	
460-4872-19	0916278-AB03939	T	Solid	9045C	
460-4872-20	0916279-AB03940	T	Solid	9045C	
460-4872-21	0916280-AB03941	T	Solid	9045C	
460-4872-21DU	Duplicate	T	Solid	9045C	
460-4872-22	0916281-AB03942	T	Solid	9045C	
460-4872-23	0916282-AB03943	T	Solid	9045C	
460-4872-24	0916283-AB03944	T	Solid	9045C	
460-4872-25	0916284-AB03945	T	Solid	9045C	
460-4872-26	0916285-AB03946	T	Solid	9045C	
460-4872-27	0916286-AB03947	T	Solid	9045C	
460-4872-28	0916287-AB03948	T	Solid	9045C	
460-4872-29	0916288-AB03949	T	Solid	9045C	
460-4872-30	0916289-AB03950	T	Solid	9045C	

Report Basis

S = Soluble

T = Total

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

Laboratory Chronicle

Lab ID: **460-4872-1** **Client ID:** **0916260-AB03921**

Sample Date/Time: 08/12/2009 11:32 Received Date/Time: 08/20/2009 07:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-4872-A-1-D ^20		460-15062	460-14799	08/20/2009 12:47	20	TAL EDI	JC
A:7199	460-4872-A-1-D ^20		460-15062	460-14799	08/21/2009 14:06	20	TAL EDI	JP
A:9045C	460-4872-A-1		460-15507		08/26/2009 15:43	1	TAL EDI	XY
A:Moisture	460-4872-A-1		460-14833		08/20/2009 18:56	1	TAL EDI	sa
A:SM 2580B	460-4872-A-1-F		460-15417		08/26/2009 13:07	1	TAL EDI	HV

Lab ID: **460-4872-1 MS** **Client ID:** **0916260-AB03921**

Sample Date/Time: 08/12/2009 11:32 Received Date/Time: 08/20/2009 07:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-4872-A-1-B MS ^40		460-15061	460-14799	08/20/2009 12:47	40	TAL EDI	JC
A:7199	460-4872-A-1-B MS ^40		460-15061	460-14799	08/20/2009 17:35	40	TAL EDI	JP

Lab ID: **460-4872-1 DU** **Client ID:** **0916260-AB03921**

Sample Date/Time: 08/12/2009 11:32 Received Date/Time: 08/20/2009 07:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-4872-A-1-A DU ^20		460-15062	460-14799	08/20/2009 12:47	20	TAL EDI	JC
A:7199	460-4872-A-1-A DU ^20		460-15062	460-14799	08/21/2009 13:51	20	TAL EDI	JP
A:9045C	460-4872-A-1 DU		460-15507		08/26/2009 15:44	1	TAL EDI	XY
A:SM 2580B	460-4872-A-1-G DU		460-15417		08/26/2009 13:09	1	TAL EDI	HV

Lab ID: **460-4872-2** **Client ID:** **0916261-AB03922**

Sample Date/Time: 08/12/2009 11:37 Received Date/Time: 08/20/2009 07:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-4872-A-2-A ^10		460-15061	460-14799	08/20/2009 12:47	10	TAL EDI	JC
A:7199	460-4872-A-2-A ^10		460-15061	460-14799	08/20/2009 18:34	10	TAL EDI	JP
A:9045C	460-4872-A-2		460-15507		08/26/2009 15:45	1	TAL EDI	XY
A:Moisture	460-4872-A-2		460-14833		08/20/2009 18:56	1	TAL EDI	sa
A:SM 2580B	460-4872-A-2-B		460-15417		08/26/2009 13:11	1	TAL EDI	HV

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

Laboratory Chronicle

Lab ID: **460-4872-3** **Client ID:** **0916262-AB03923**

Sample Date/Time: 08/12/2009 11:39 Received Date/Time: 08/20/2009 07:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-4872-A-3-A ^20		460-15062	460-14799	08/20/2009 12:47	20	TAL EDI	JC
A:7199	460-4872-A-3-A ^20		460-15062	460-14799	08/21/2009 14:28	20	TAL EDI	JP
A:9045C	460-4872-A-3		460-15507		08/26/2009 15:46	1	TAL EDI	XY
A:Moisture	460-4872-A-3		460-14833		08/20/2009 18:56	1	TAL EDI	sa
A:SM 2580B	460-4872-A-3-B		460-15417		08/26/2009 13:13	1	TAL EDI	HV

Lab ID: **460-4872-4** **Client ID:** **0916263-AB03924**

Sample Date/Time: 08/12/2009 11:41 Received Date/Time: 08/20/2009 07:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-4872-A-4-A ^20		460-15062	460-14799	08/20/2009 12:47	20	TAL EDI	JC
A:7199	460-4872-A-4-A ^20		460-15062	460-14799	08/21/2009 14:50	20	TAL EDI	JP
A:9045C	460-4872-A-4		460-15507		08/26/2009 15:47	1	TAL EDI	XY
A:Moisture	460-4872-A-4		460-14833		08/20/2009 18:56	1	TAL EDI	sa
A:SM 2580B	460-4872-A-4-B		460-15417		08/26/2009 13:15	1	TAL EDI	HV

Lab ID: **460-4872-5** **Client ID:** **0916264-AB03925**

Sample Date/Time: 08/12/2009 11:43 Received Date/Time: 08/20/2009 07:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-4872-A-5-A ^20		460-15062	460-14799	08/20/2009 12:47	20	TAL EDI	JC
A:7199	460-4872-A-5-A ^20		460-15062	460-14799	08/21/2009 14:57	20	TAL EDI	JP
A:9045C	460-4872-A-5		460-15507		08/26/2009 15:48	1	TAL EDI	XY
A:Moisture	460-4872-A-5		460-14833		08/20/2009 18:56	1	TAL EDI	sa
A:SM 2580B	460-4872-A-5-B		460-15417		08/26/2009 13:17	1	TAL EDI	HV

Lab ID: **460-4872-6** **Client ID:** **0916265-AB03926**

Sample Date/Time: 08/12/2009 11:45 Received Date/Time: 08/20/2009 07:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-4872-A-6-A ^20		460-15062	460-14799	08/20/2009 12:47	20	TAL EDI	JC
A:7199	460-4872-A-6-A ^20		460-15062	460-14799	08/21/2009 15:12	20	TAL EDI	JP
A:9045C	460-4872-A-6		460-15507		08/26/2009 15:49	1	TAL EDI	XY
A:Moisture	460-4872-A-6		460-14833		08/20/2009 18:56	1	TAL EDI	sa
A:SM 2580B	460-4872-A-6-B		460-15417		08/26/2009 13:19	1	TAL EDI	HV

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

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Lab ID: **460-4872-7** **Client ID:** **0916266-AB03927**

Sample Date/Time: 08/12/2009 11:47 Received Date/Time: 08/20/2009 07:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-4872-A-7-A ^20		460-15062	460-14799	08/20/2009 12:47	20	TAL EDI	JC
A:7199	460-4872-A-7-A ^20		460-15062	460-14799	08/21/2009 15:26	20	TAL EDI	JP
A:9045C	460-4872-A-7		460-15507		08/26/2009 15:50	1	TAL EDI	XY
A:Moisture	460-4872-A-7		460-14833		08/20/2009 18:56	1	TAL EDI	sa
A:SM 2580B	460-4872-A-7-B		460-15417		08/26/2009 13:21	1	TAL EDI	HV

Lab ID: **460-4872-8** **Client ID:** **0916267-AB03928**

Sample Date/Time: 08/12/2009 11:49 Received Date/Time: 08/20/2009 07:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-4872-A-8-A ^20		460-15062	460-14799	08/20/2009 12:47	20	TAL EDI	JC
A:7199	460-4872-A-8-A ^20		460-15062	460-14799	08/21/2009 15:56	20	TAL EDI	JP
A:9045C	460-4872-A-8		460-15507		08/26/2009 15:52	1	TAL EDI	XY
A:Moisture	460-4872-A-8		460-14833		08/20/2009 18:56	1	TAL EDI	sa
A:SM 2580B	460-4872-A-8-B		460-15417		08/26/2009 13:23	1	TAL EDI	HV

Lab ID: **460-4872-9** **Client ID:** **0916268-AB03929**

Sample Date/Time: 08/12/2009 11:51 Received Date/Time: 08/20/2009 07:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-4872-A-9-A ^10		460-15061	460-14799	08/20/2009 12:47	10	TAL EDI	JC
A:7199	460-4872-A-9-A ^10		460-15061	460-14799	08/20/2009 20:23	10	TAL EDI	JP
A:9045C	460-4872-A-9		460-15507		08/26/2009 15:53	1	TAL EDI	XY
A:Moisture	460-4872-A-9		460-14833		08/20/2009 18:56	1	TAL EDI	sa
A:SM 2580B	460-4872-A-9-B		460-15417		08/26/2009 13:27	1	TAL EDI	HV

Lab ID: **460-4872-10** **Client ID:** **0916269-AB03930**

Sample Date/Time: 08/12/2009 11:53 Received Date/Time: 08/20/2009 07:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-4872-A-10-A ^10		460-15061	460-14799	08/20/2009 12:47	10	TAL EDI	JC
A:7199	460-4872-A-10-A ^10		460-15061	460-14799	08/20/2009 20:51	10	TAL EDI	JP
A:9045C	460-4872-A-10		460-15507		08/26/2009 15:54	1	TAL EDI	XY
A:Moisture	460-4872-A-10		460-14833		08/20/2009 19:26	1	TAL EDI	sa
A:SM 2580B	460-4872-A-10-B		460-15417		08/26/2009 13:29	1	TAL EDI	HV

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

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Lab ID: **460-4872-11** **Client ID:** **0916270-AB03931**

Sample Date/Time: 08/12/2009 12:45 Received Date/Time: 08/20/2009 07:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-4872-A-11-A ^50		460-15062	460-14799	08/20/2009 12:47	50	TAL EDI	JC
A:7199	460-4872-A-11-A ^50		460-15062	460-14799	08/21/2009 19:26	50	TAL EDI	JP
A:9045C	460-4872-A-11		460-15507		08/26/2009 15:55	1	TAL EDI	XY
A:Moisture	460-4872-A-11		460-14833		08/20/2009 19:26	1	TAL EDI	sa
A:SM 2580B	460-4872-A-11-B		460-15417		08/26/2009 13:31	1	TAL EDI	HV

Lab ID: **460-4872-12** **Client ID:** **0916271-AB03932**

Sample Date/Time: 08/12/2009 12:48 Received Date/Time: 08/20/2009 07:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-4872-A-12-A ^40		460-15062	460-14799	08/20/2009 12:47	40	TAL EDI	JC
A:7199	460-4872-A-12-A ^40		460-15062	460-14799	08/21/2009 16:25	40	TAL EDI	JP
A:9045C	460-4872-A-12		460-15507		08/26/2009 15:56	1	TAL EDI	XY
A:Moisture	460-4872-A-12		460-14833		08/20/2009 19:26	1	TAL EDI	sa
A:SM 2580B	460-4872-A-12-B		460-15417		08/26/2009 13:33	1	TAL EDI	HV

Lab ID: **460-4872-13** **Client ID:** **0916272-AB03933**

Sample Date/Time: 08/12/2009 12:51 Received Date/Time: 08/20/2009 07:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-4872-A-13-A ^20		460-15062	460-14799	08/20/2009 12:47	20	TAL EDI	JC
A:7199	460-4872-A-13-A ^20		460-15062	460-14799	08/21/2009 16:40	20	TAL EDI	JP
A:9045C	460-4872-A-13		460-15507		08/26/2009 15:57	1	TAL EDI	XY
A:Moisture	460-4872-A-13		460-14833		08/20/2009 19:26	1	TAL EDI	sa
A:SM 2580B	460-4872-A-13-B		460-15417		08/26/2009 13:35	1	TAL EDI	HV

Lab ID: **460-4872-14** **Client ID:** **0916273-AB03934**

Sample Date/Time: 08/12/2009 12:53 Received Date/Time: 08/20/2009 07:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-4872-A-14-A ^50		460-15062	460-14799	08/20/2009 12:47	50	TAL EDI	JC
A:7199	460-4872-A-14-A ^50		460-15062	460-14799	08/21/2009 16:54	50	TAL EDI	JP
A:9045C	460-4872-A-14		460-15507		08/26/2009 15:58	1	TAL EDI	XY
A:Moisture	460-4872-A-14		460-14833		08/20/2009 19:26	1	TAL EDI	sa
A:SM 2580B	460-4872-A-14-B		460-15417		08/26/2009 13:37	1	TAL EDI	HV

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

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Lab ID: **460-4872-15** **Client ID:** **0916274-AB03935**

Sample Date/Time: 08/12/2009 12:56 Received Date/Time: 08/20/2009 07:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-4872-A-15-A ^50		460-15062	460-14799	08/20/2009 12:47	50	TAL EDI	JC
A:7199	460-4872-A-15-A ^50		460-15062	460-14799	08/21/2009 17:30	50	TAL EDI	JP
A:9045C	460-4872-A-15		460-15513		08/26/2009 04:05	1	TAL EDI	XY
A:Moisture	460-4872-A-15		460-14833		08/20/2009 19:26	1	TAL EDI	sa
A:SM 2580B	460-4872-A-15-C		460-15417		08/26/2009 13:45	1	TAL EDI	HV

Lab ID: **460-4872-15 DU** **Client ID:** **0916274-AB03935**

Sample Date/Time: 08/12/2009 12:56 Received Date/Time: 08/20/2009 07:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-4872-A-15-B DU ^50		460-15062	460-14799	08/20/2009 12:47	50	TAL EDI	JC
A:7199	460-4872-A-15-B DU ^50		460-15062	460-14799	08/21/2009 17:44	50	TAL EDI	JP
A:9045C	460-4872-A-15 DU		460-15513		08/26/2009 04:06	1	TAL EDI	XY
A:SM 2580B	460-4872-A-15-D DU		460-15417		08/26/2009 13:47	1	TAL EDI	HV

Lab ID: **460-4872-16** **Client ID:** **0916275-AB03936**

Sample Date/Time: 08/12/2009 12:58 Received Date/Time: 08/20/2009 07:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-4872-A-16-A ^40		460-15062	460-14799	08/20/2009 12:47	40	TAL EDI	JC
A:7199	460-4872-A-16-A ^40		460-15062	460-14799	08/21/2009 17:58	40	TAL EDI	JP
A:9045C	460-4872-A-16		460-15513		08/26/2009 04:07	1	TAL EDI	XY
A:Moisture	460-4872-A-16		460-14833		08/20/2009 19:26	1	TAL EDI	sa
A:SM 2580B	460-4872-A-16-B		460-15417		08/26/2009 13:48	1	TAL EDI	HV

Lab ID: **460-4872-17** **Client ID:** **0916276-AB03937**

Sample Date/Time: 08/12/2009 13:00 Received Date/Time: 08/20/2009 07:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-4872-A-17-A ^20		460-15062	460-14799	08/20/2009 12:47	20	TAL EDI	JC
A:7199	460-4872-A-17-A ^20		460-15062	460-14799	08/21/2009 18:13	20	TAL EDI	JP
A:9045C	460-4872-A-17		460-15513		08/26/2009 04:08	1	TAL EDI	XY
A:Moisture	460-4872-A-17		460-14833		08/20/2009 19:26	1	TAL EDI	sa
A:SM 2580B	460-4872-A-17-B		460-15417		08/26/2009 13:50	1	TAL EDI	HV

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

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Lab ID: **460-4872-18** **Client ID:** **0916277-AB03938**

Sample Date/Time: 08/12/2009 13:02 Received Date/Time: 08/20/2009 07:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-4872-A-18-A ^50		460-15062	460-14799	08/20/2009 12:47	50	TAL EDI	JC
A:7199	460-4872-A-18-A ^50		460-15062	460-14799	08/21/2009 18:20	50	TAL EDI	JP
A:9045C	460-4872-A-18		460-15513		08/26/2009 04:09	1	TAL EDI	XY
A:Moisture	460-4872-A-18		460-14833		08/20/2009 19:26	1	TAL EDI	sa
A:SM 2580B	460-4872-A-18-B		460-15417		08/26/2009 13:53	1	TAL EDI	HV

Lab ID: **460-4872-19** **Client ID:** **0916278-AB03939**

Sample Date/Time: 08/12/2009 13:03 Received Date/Time: 08/20/2009 07:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-4872-A-19-A ^40		460-15062	460-14799	08/20/2009 12:47	40	TAL EDI	JC
A:7199	460-4872-A-19-A ^40		460-15062	460-14799	08/21/2009 18:56	40	TAL EDI	JP
A:9045C	460-4872-A-19		460-15513		08/26/2009 04:10	1	TAL EDI	XY
A:Moisture	460-4872-A-19		460-14833		08/20/2009 19:26	1	TAL EDI	sa
A:SM 2580B	460-4872-A-19-B		460-15417		08/26/2009 13:55	1	TAL EDI	HV

Lab ID: **460-4872-20** **Client ID:** **0916279-AB03940**

Sample Date/Time: 08/12/2009 13:05 Received Date/Time: 08/20/2009 07:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-4872-A-20-A ^50		460-15062	460-14799	08/20/2009 12:47	50	TAL EDI	JC
A:7199	460-4872-A-20-A ^50		460-15062	460-14799	08/21/2009 19:04	50	TAL EDI	JP
A:9045C	460-4872-A-20		460-15513		08/26/2009 04:11	1	TAL EDI	XY
A:Moisture	460-4872-A-20		460-14833		08/20/2009 19:26	1	TAL EDI	sa
A:SM 2580B	460-4872-A-20-B		460-15417		08/26/2009 13:57	1	TAL EDI	HV

Lab ID: **460-4872-21** **Client ID:** **0916280-AB03941**

Sample Date/Time: 08/12/2009 13:40 Received Date/Time: 08/20/2009 07:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-4872-A-21-D ^10		460-15125	460-14913	08/21/2009 12:52	10	TAL EDI	JC
A:7199	460-4872-A-21-D ^10		460-15125	460-14913	08/24/2009 19:48	10	TAL EDI	LE
A:9045C	460-4872-A-21		460-15513		08/26/2009 04:12	1	TAL EDI	XY
A:Moisture	460-4872-A-21		460-14833		08/20/2009 19:26	1	TAL EDI	sa
A:SM 2580B	460-4872-A-21-F		460-15417		08/26/2009 14:02	1	TAL EDI	HV

Client: Missouri Department of Natural Resources Job Number: 460-4872-1

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Lab ID: **460-4872-A-21-B MS ^40** **Client ID:**

Sample Date/Time: 08/12/2009 13:40 Received Date/Time: 08/20/2009 07:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-4872-A-21-B MS ^40		460-15125	460-14913	08/21/2009 12:52	40	TAL EDI	JC
A:7199	460-4872-A-21-B MS ^40		460-15125	460-14913	08/24/2009 19:11	40	TAL EDI	LE

Lab ID: **460-4872-A-21-A DU ^10** **Client ID:**

Sample Date/Time: 08/12/2009 13:40 Received Date/Time: 08/20/2009 07:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-4872-A-21-A DU ^10		460-15125	460-14913	08/21/2009 12:52	10	TAL EDI	JC
A:7199	460-4872-A-21-A DU ^10		460-15125	460-14913	08/24/2009 18:57	10	TAL EDI	LE
A:9045C	460-4872-A-21 DU		460-15513		08/26/2009 04:17	1	TAL EDI	XY
A:SM 2580B	460-4872-A-21-G DU		460-15417		08/26/2009 14:04	1	TAL EDI	HV

Lab ID: **460-4872-22** **Client ID:** **0916281-AB03942**

Sample Date/Time: 08/12/2009 13:55 Received Date/Time: 08/20/2009 07:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-4872-A-22-A ^40		460-15374	460-14913	08/21/2009 12:52	40	TAL EDI	JC
A:7199	460-4872-A-22-A ^40		460-15374	460-14913	08/26/2009 12:43	40	TAL EDI	LE
A:9045C	460-4872-A-22		460-15513		08/26/2009 04:18	1	TAL EDI	XY
A:Moisture	460-4872-A-22		460-14833		08/20/2009 19:26	1	TAL EDI	sa
A:SM 2580B	460-4872-A-22-B		460-15417		08/26/2009 14:06	1	TAL EDI	HV

Lab ID: **460-4872-23** **Client ID:** **0916282-AB03943**

Sample Date/Time: 08/12/2009 13:44 Received Date/Time: 08/20/2009 07:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-4872-A-23-A ^10		460-15125	460-14913	08/21/2009 12:52	10	TAL EDI	JC
A:7199	460-4872-A-23-A ^10		460-15125	460-14913	08/24/2009 20:17	10	TAL EDI	LE
A:9045C	460-4872-A-23		460-15513		08/26/2009 04:19	1	TAL EDI	XY
A:Moisture	460-4872-A-23		460-14833		08/20/2009 19:26	1	TAL EDI	sa
A:SM 2580B	460-4872-A-23-B		460-15417		08/26/2009 14:08	1	TAL EDI	HV

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

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Lab ID: **460-4872-24** **Client ID:** **0916283-AB03944**

Sample Date/Time: 08/12/2009 13:56 Received Date/Time: 08/20/2009 07:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-4872-A-24-A ^20		460-15374	460-14913	08/21/2009 12:52	20	TAL EDI	JC
A:7199	460-4872-A-24-A ^20		460-15374	460-14913	08/26/2009 12:58	20	TAL EDI	LE
A:9045C	460-4872-A-24		460-15513		08/26/2009 04:20	1	TAL EDI	XY
A:Moisture	460-4872-A-24		460-14833		08/20/2009 19:26	1	TAL EDI	sa
A:SM 2580B	460-4872-A-24-B		460-15417		08/26/2009 14:10	1	TAL EDI	HV

Lab ID: **460-4872-25** **Client ID:** **0916284-AB03945**

Sample Date/Time: 08/12/2009 13:57 Received Date/Time: 08/20/2009 07:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-4872-A-25-A ^10		460-15125	460-14913	08/21/2009 12:52	10	TAL EDI	JC
A:7199	460-4872-A-25-A ^10		460-15125	460-14913	08/24/2009 20:53	10	TAL EDI	LE
A:9045C	460-4872-A-25		460-15513		08/26/2009 04:21	1	TAL EDI	XY
A:Moisture	460-4872-A-25		460-14833		08/20/2009 19:26	1	TAL EDI	sa
A:SM 2580B	460-4872-A-25-B		460-15417		08/26/2009 14:12	1	TAL EDI	HV

Lab ID: **460-4872-26** **Client ID:** **0916285-AB03946**

Sample Date/Time: 08/12/2009 14:00 Received Date/Time: 08/20/2009 07:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-4872-A-26-A ^10		460-15374	460-14913	08/21/2009 12:52	10	TAL EDI	JC
A:7199	460-4872-A-26-A ^10		460-15374	460-14913	08/26/2009 11:08	10	TAL EDI	LE
A:9045C	460-4872-A-26		460-15513		08/26/2009 04:22	1	TAL EDI	XY
A:Moisture	460-4872-A-26		460-14833		08/20/2009 19:26	1	TAL EDI	sa
A:SM 2580B	460-4872-A-26-B		460-15417		08/26/2009 14:16	1	TAL EDI	HV

Lab ID: **460-4872-27** **Client ID:** **0916286-AB03947**

Sample Date/Time: 08/12/2009 14:02 Received Date/Time: 08/20/2009 07:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-4872-A-27-A ^10		460-15374	460-14913	08/21/2009 12:52	10	TAL EDI	JC
A:7199	460-4872-A-27-A ^10		460-15374	460-14913	08/26/2009 11:23	10	TAL EDI	LE
A:9045C	460-4872-A-27		460-15513		08/26/2009 04:23	1	TAL EDI	XY
A:Moisture	460-4872-A-27		460-14833		08/20/2009 19:26	1	TAL EDI	sa
A:SM 2580B	460-4872-A-27-B		460-15417		08/26/2009 14:18	1	TAL EDI	HV

Client: Missouri Department of Natural Resources Job Number: 460-4872-1

Laboratory Chronicle

Lab ID: **460-4872-28** **Client ID:** **0916287-AB03948**

Sample Date/Time: 08/12/2009 14:05 Received Date/Time: 08/20/2009 07:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-4872-A-28-A ^10		460-15374	460-14913	08/21/2009 12:52	10	TAL EDI	JC
A:7199	460-4872-A-28-A ^10		460-15374	460-14913	08/26/2009 12:00	10	TAL EDI	LE
A:9045C	460-4872-A-28		460-15513		08/26/2009 04:24	1	TAL EDI	XY
A:Moisture	460-4872-A-28		460-14833		08/20/2009 19:26	1	TAL EDI	sa
A:SM 2580B	460-4872-A-28-B		460-15417		08/26/2009 14:20	1	TAL EDI	HV

Lab ID: **460-4872-29** **Client ID:** **0916288-AB03949**

Sample Date/Time: 08/12/2009 14:06 Received Date/Time: 08/20/2009 07:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-4872-A-29-A ^10		460-15374	460-14913	08/21/2009 12:52	10	TAL EDI	JC
A:7199	460-4872-A-29-A ^10		460-15374	460-14913	08/26/2009 12:14	10	TAL EDI	LE
A:9045C	460-4872-A-29		460-15513		08/26/2009 04:25	1	TAL EDI	XY
A:Moisture	460-4872-A-29		460-14833		08/20/2009 19:36	1	TAL EDI	sa
A:SM 2580B	460-4872-A-29-B		460-15417		08/26/2009 14:22	1	TAL EDI	HV

Lab ID: **460-4872-30** **Client ID:** **0916289-AB03950**

Sample Date/Time: 08/12/2009 14:11 Received Date/Time: 08/20/2009 07:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3060A	460-4872-A-30-A ^10		460-15374	460-14913	08/21/2009 12:52	10	TAL EDI	JC
A:7199	460-4872-A-30-A ^10		460-15374	460-14913	08/26/2009 12:22	10	TAL EDI	LE
A:9045C	460-4872-A-30		460-15513		08/26/2009 04:26	1	TAL EDI	XY
A:Moisture	460-4872-A-30		460-14833		08/20/2009 19:36	1	TAL EDI	sa
A:SM 2580B	460-4872-A-30-B		460-15417		08/26/2009 14:24	1	TAL EDI	HV

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 460-14799/1-A ^10		460-15061	460-14799	08/20/2009 12:47	10	TAL EDI	JC
A:7199	MB 460-14799/1-A ^10		460-15061	460-14799	08/20/2009 16:30	10	TAL EDI	JP
P:3060A	MB 460-14913/1-A		460-15125	460-14913	08/21/2009 12:52	1	TAL EDI	JC
A:7199	MB 460-14913/1-A		460-15125	460-14913	08/24/2009 17:58	1	TAL EDI	LE
A:9045C	MB 460-15513/1		460-15513		08/26/2009 04:02	1	TAL EDI	XY
A:9045C	MB 460-15507/1		460-15507		08/26/2009 15:40	1	TAL EDI	XY

Client: Missouri Department of Natural Resources Job Number: 460-4872-1

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 460-14799/2-A ^10		460-15061	460-14799	08/20/2009 12:47	10	TAL EDI	JC
A:7199	LCS 460-14799/2-A ^10		460-15061	460-14799	08/20/2009 16:52	10	TAL EDI	JP
P:3060A	LCS 460-14913/2-A ^10		460-15125	460-14913	08/21/2009 12:52	10	TAL EDI	JC
A:7199	LCS 460-14913/2-A ^10		460-15125	460-14913	08/24/2009 18:20	10	TAL EDI	LE
A:9045C	LCS 460-15513/2		460-15513		08/26/2009 04:03	1	TAL EDI	XY
A:9045C	LCS 460-15507/2		460-15507		08/26/2009 15:41	1	TAL EDI	XY
A:SM 2580B	LCS 460-15412/1-A		460-15417		08/26/2009 13:05	1	TAL EDI	HV
A:SM 2580B	LCS 460-15412/26-A		460-15417		08/26/2009 13:59	1	TAL EDI	HV

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 460-14799/3-A ^500		460-15061	460-14799	08/20/2009 12:47	500	TAL EDI	JC
A:7199	LCSI 460-14799/3-A ^500		460-15061	460-14799	08/20/2009 17:06	500	TAL EDI	JP
P:3060A	460-4872-A-1-C MSI ^500		460-15061	460-14799	08/20/2009 12:47	500	TAL EDI	JC
A:7199	460-4872-A-1-C MSI ^500		460-15061	460-14799	08/20/2009 17:57	500	TAL EDI	JP
P:3060A	LCSI 460-14913/3-A ^500		460-15125	460-14913	08/21/2009 12:52	500	TAL EDI	JC
A:7199	LCSI 460-14913/3-A ^500		460-15125	460-14913	08/24/2009 18:35	500	TAL EDI	LE
P:3060A	460-4872-A-21-C MSI ^500		460-15125	460-14913	08/21/2009 12:52	500	TAL EDI	JC
A:7199	460-4872-A-21-C MSI ^500		460-15125	460-14913	08/24/2009 19:26	500	TAL EDI	LE

Lab References:
TAL EDI = TestAmerica Edison

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-4872-1

SDG No.:

Project: Missouri DNR Hexavalent Chromium

Client Sample ID	Lab Sample ID
0916260-AB03921	460-4872-1
0916261-AB03922	460-4872-2
0916262-AB03923	460-4872-3
0916263-AB03924	460-4872-4
0916264-AB03925	460-4872-5
0916265-AB03926	460-4872-6
0916266-AB03927	460-4872-7
0916267-AB03928	460-4872-8
0916268-AB03929	460-4872-9
0916269-AB03930	460-4872-10
0916270-AB03931	460-4872-11
0916271-AB03932	460-4872-12
0916272-AB03933	460-4872-13
0916273-AB03934	460-4872-14
0916274-AB03935	460-4872-15
0916275-AB03936	460-4872-16
0916276-AB03937	460-4872-17
0916277-AB03938	460-4872-18
0916278-AB03939	460-4872-19
0916279-AB03940	460-4872-20
0916280-AB03941	460-4872-21
0916281-AB03942	460-4872-22
0916282-AB03943	460-4872-23
0916283-AB03944	460-4872-24
0916284-AB03945	460-4872-25
0916285-AB03946	460-4872-26
0916286-AB03947	460-4872-27
0916287-AB03948	460-4872-28
0916288-AB03949	460-4872-29
0916289-AB03950	460-4872-30

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916260-AB03921
Lab Sample ID: 460-4872-1
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 11:32
Reporting Basis: DRY
Date Received: 08/20/2009 07:10
% Solids: 95.4

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	27.5	4.2		mg/Kg			20	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916260-AB03921
Lab Sample ID: 460-4872-1
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 11:32
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	pH	5.43			SU		H	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: 0916260-AB03921
Lab Sample ID: 460-4872-1
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 11:32
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	563			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916261-AB03922
Lab Sample ID: 460-4872-2
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 11:37
Reporting Basis: DRY
Date Received: 08/20/2009 07:10
% Solids: 96.0

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	17.2	2.1		mg/Kg			10	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916261-AB03922
Lab Sample ID: 460-4872-2
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 11:37
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	pH	5.56			SU		H	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: 0916261-AB03922
Lab Sample ID: 460-4872-2
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 11:37
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	523			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916262-AB03923
Lab Sample ID: 460-4872-3
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 11:39
Reporting Basis: DRY
Date Received: 08/20/2009 07:10
% Solids: 94.8

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	21.3	4.2		mg/Kg			20	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916262-AB03923
Lab Sample ID: 460-4872-3
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 11:39
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	pH	5.59			SU		H	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: 0916262-AB03923
Lab Sample ID: 460-4872-3
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 11:39
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	545			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916263-AB03924
Lab Sample ID: 460-4872-4
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 11:41
Reporting Basis: DRY
Date Received: 08/20/2009 07:10
% Solids: 86.4

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	24.4	4.7		mg/Kg			20	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916263-AB03924
Lab Sample ID: 460-4872-4
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 11:41
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	pH	5.60			SU		H	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: 0916263-AB03924
Lab Sample ID: 460-4872-4
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 11:41
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	524			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916264-AB03925
Lab Sample ID: 460-4872-5
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 11:43
Reporting Basis: DRY
Date Received: 08/20/2009 07:10
% Solids: 94.3

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	25.8	4.4		mg/Kg			20	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916264-AB03925
Lab Sample ID: 460-4872-5
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 11:43
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	pH	5.93			SU		H	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: 0916264-AB03925
Lab Sample ID: 460-4872-5
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 11:43
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	515			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916265-AB03926
Lab Sample ID: 460-4872-6
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 11:45
Reporting Basis: DRY
Date Received: 08/20/2009 07:10
% Solids: 91.3

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	34.2	4.4		mg/Kg			20	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916265-AB03926
Lab Sample ID: 460-4872-6
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 11:45
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	pH	5.39			SU		H	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: 0916265-AB03926
Lab Sample ID: 460-4872-6
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 11:45
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	504			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916266-AB03927
Lab Sample ID: 460-4872-7
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 11:47
Reporting Basis: DRY
Date Received: 08/20/2009 07:10
% Solids: 94.8

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	25.1	4.3		mg/Kg			20	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916266-AB03927
Lab Sample ID: 460-4872-7
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 11:47
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	pH	5.54			SU		H	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: 0916266-AB03927
Lab Sample ID: 460-4872-7
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 11:47
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	508			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916267-AB03928
Lab Sample ID: 460-4872-8
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 11:49
Reporting Basis: DRY
Date Received: 08/20/2009 07:10
% Solids: 94.9

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	21.2	4.1		mg/Kg			20	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916267-AB03928
Lab Sample ID: 460-4872-8
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 11:49
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	pH	6.80			SU		H	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: 0916267-AB03928
Lab Sample ID: 460-4872-8
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 11:49
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	505			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916268-AB03929
Lab Sample ID: 460-4872-9
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 11:51
Reporting Basis: DRY
Date Received: 08/20/2009 07:10
% Solids: 91.4

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	20.7	2.2		mg/Kg			10	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916268-AB03929
Lab Sample ID: 460-4872-9
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 11:51
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	pH	6.21			SU		H	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: 0916268-AB03929
Lab Sample ID: 460-4872-9
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 11:51
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	499			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916269-AB03930
Lab Sample ID: 460-4872-10
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 11:53
Reporting Basis: DRY
Date Received: 08/20/2009 07:10
% Solids: 94.5

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	17.1	2.2		mg/Kg			10	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916269-AB03930
Lab Sample ID: 460-4872-10
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 11:53
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	pH	6.77			SU		H	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: 0916269-AB03930
Lab Sample ID: 460-4872-10
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 11:53
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	496			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916270-AB03931
Lab Sample ID: 460-4872-11
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 12:45
Reporting Basis: DRY
Date Received: 08/20/2009 07:10
% Solids: 92.8

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	45.4	10.9		mg/Kg			50	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916270-AB03931
Lab Sample ID: 460-4872-11
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 12:45
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	pH	4.53			SU		H	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: 0916270-AB03931
Lab Sample ID: 460-4872-11
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 12:45
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	524			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916271-AB03932
Lab Sample ID: 460-4872-12
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 12:48
Reporting Basis: DRY
Date Received: 08/20/2009 07:10
% Solids: 91.9

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	38.2	8.8		mg/Kg			40	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916271-AB03932
Lab Sample ID: 460-4872-12
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 12:48
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	pH	5.25			SU		H	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: 0916271-AB03932
Lab Sample ID: 460-4872-12
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 12:48
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	517			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916272-AB03933
Lab Sample ID: 460-4872-13
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 12:51
Reporting Basis: DRY
Date Received: 08/20/2009 07:10
% Solids: 93.0

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	24.6	4.3		mg/Kg			20	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916272-AB03933
Lab Sample ID: 460-4872-13
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 12:51
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	pH	5.96			SU		H	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: 0916272-AB03933
Lab Sample ID: 460-4872-13
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 12:51
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	518			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916273-AB03934
Lab Sample ID: 460-4872-14
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 12:53
Reporting Basis: DRY
Date Received: 08/20/2009 07:10
% Solids: 97.6

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	41.8	10.3		mg/Kg			50	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916273-AB03934
Lab Sample ID: 460-4872-14
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 12:53
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	pH	6.57			SU		H	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: 0916273-AB03934
Lab Sample ID: 460-4872-14
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 12:53
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	494			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916274-AB03935
Lab Sample ID: 460-4872-15
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 12:56
Reporting Basis: DRY
Date Received: 08/20/2009 07:10
% Solids: 91.0

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	51.3	11.1		mg/Kg			50	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916274-AB03935
Lab Sample ID: 460-4872-15
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 12:56
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	pH	5.62			SU		H	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: 0916274-AB03935
Lab Sample ID: 460-4872-15
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 12:56
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	604			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916275-AB03936
Lab Sample ID: 460-4872-16
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 12:58
Reporting Basis: DRY
Date Received: 08/20/2009 07:10
% Solids: 94.5

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	37.5	8.4		mg/Kg			40	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916275-AB03936
Lab Sample ID: 460-4872-16
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 12:58
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	pH	5.33			SU		H	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: 0916275-AB03936
Lab Sample ID: 460-4872-16
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 12:58
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	496			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916276-AB03937
Lab Sample ID: 460-4872-17
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 13:00
Reporting Basis: DRY
Date Received: 08/20/2009 07:10
% Solids: 104.8

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	20.2	3.9		mg/Kg			20	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916276-AB03937
Lab Sample ID: 460-4872-17
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 13:00
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	pH	3.73			SU		H	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: 0916276-AB03937
Lab Sample ID: 460-4872-17
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 13:00
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	527			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916277-AB03938
Lab Sample ID: 460-4872-18
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 13:02
Reporting Basis: DRY
Date Received: 08/20/2009 07:10
% Solids: 94.1

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	55.6	10.6		mg/Kg			50	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916277-AB03938
Lab Sample ID: 460-4872-18
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 13:02
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	pH	5.42			SU		H	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: 0916277-AB03938
Lab Sample ID: 460-4872-18
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 13:02
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	503			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916278-AB03939
Lab Sample ID: 460-4872-19
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 13:03
Reporting Basis: DRY
Date Received: 08/20/2009 07:10
% Solids: 94.8

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	35.4	8.4		mg/Kg			40	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916278-AB03939
Lab Sample ID: 460-4872-19
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 13:03
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	pH	5.54			SU		H	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: 0916278-AB03939
Lab Sample ID: 460-4872-19
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 13:03
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	498			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916279-AB03940
Lab Sample ID: 460-4872-20
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 13:05
Reporting Basis: DRY
Date Received: 08/20/2009 07:10
% Solids: 89.3

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	54.3	11.2		mg/Kg			50	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916279-AB03940
Lab Sample ID: 460-4872-20
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 13:05
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	pH	3.97			SU		H	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: 0916279-AB03940
Lab Sample ID: 460-4872-20
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 13:05
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	572			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916280-AB03941
Lab Sample ID: 460-4872-21
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 13:40
Reporting Basis: DRY
Date Received: 08/20/2009 07:10
% Solids: 96.7

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	3.9	2.1		mg/Kg			10	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916280-AB03941
Lab Sample ID: 460-4872-21
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 13:40
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	pH	5.95			SU		H	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: 0916280-AB03941
Lab Sample ID: 460-4872-21
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 13:40
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	578			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916281-AB03942
Lab Sample ID: 460-4872-22
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 13:55
Reporting Basis: DRY
Date Received: 08/20/2009 07:10
% Solids: 91.7

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	33.3	9.0		mg/Kg			40	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916281-AB03942
Lab Sample ID: 460-4872-22
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 13:55
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	pH	4.29			SU		H	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: 0916281-AB03942
Lab Sample ID: 460-4872-22
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 13:55
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	597			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916282-AB03943
Lab Sample ID: 460-4872-23
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 13:44
Reporting Basis: DRY
Date Received: 08/20/2009 07:10
% Solids: 94.1

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	8.6	2.2		mg/Kg			10	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916282-AB03943
Lab Sample ID: 460-4872-23
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 13:44
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	pH	6.38			SU		H	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: 0916282-AB03943
Lab Sample ID: 460-4872-23
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 13:44
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	499			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916283-AB03944
Lab Sample ID: 460-4872-24
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 13:56
Reporting Basis: DRY
Date Received: 08/20/2009 07:10
% Solids: 96.7

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	26.7	4.2		mg/Kg			20	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916283-AB03944
Lab Sample ID: 460-4872-24
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 13:56
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	pH	5.45			SU		H	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: 0916283-AB03944
Lab Sample ID: 460-4872-24
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 13:56
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	508			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916284-AB03945
Lab Sample ID: 460-4872-25
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 13:57
Reporting Basis: DRY
Date Received: 08/20/2009 07:10
% Solids: 94.6

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	4.7	2.0		mg/Kg			10	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916284-AB03945
Lab Sample ID: 460-4872-25
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 13:57
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	pH	5.56			SU		H	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: 0916284-AB03945
Lab Sample ID: 460-4872-25
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 13:57
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	508			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916285-AB03946
Lab Sample ID: 460-4872-26
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 14:00
Reporting Basis: DRY
Date Received: 08/20/2009 07:10
% Solids: 96.7

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	18.0	2.1		mg/Kg			10	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916285-AB03946
Lab Sample ID: 460-4872-26
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 14:00
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	pH	5.35			SU		H	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: 0916285-AB03946
Lab Sample ID: 460-4872-26
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 14:00
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	546			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916286-AB03947
Lab Sample ID: 460-4872-27
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 14:02
Reporting Basis: DRY
Date Received: 08/20/2009 07:10
% Solids: 94.1

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	3.9	2.2		mg/Kg			10	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916286-AB03947
Lab Sample ID: 460-4872-27
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 14:02
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	pH	6.12			SU		H	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: 0916286-AB03947
Lab Sample ID: 460-4872-27
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 14:02
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	527			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916287-AB03948
Lab Sample ID: 460-4872-28
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 14:05
Reporting Basis: DRY
Date Received: 08/20/2009 07:10
% Solids: 95.9

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	7.9	2.1		mg/Kg			10	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916287-AB03948
Lab Sample ID: 460-4872-28
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 14:05
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	pH	5.96			SU		H	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: 0916287-AB03948
Lab Sample ID: 460-4872-28
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 14:05
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	505			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916288-AB03949
Lab Sample ID: 460-4872-29
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 14:06
Reporting Basis: DRY
Date Received: 08/20/2009 07:10
% Solids: 90.1

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	2.8	2.2		mg/Kg			10	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916288-AB03949
Lab Sample ID: 460-4872-29
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 14:06
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	pH	6.20			SU		H	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: 0916288-AB03949
Lab Sample ID: 460-4872-29
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 14:06
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	508			millivolts			1	SM 2580B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916289-AB03950
Lab Sample ID: 460-4872-30
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 14:11
Reporting Basis: DRY
Date Received: 08/20/2009 07:10
% Solids: 95.6

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
18540-29-9	Chromium (hexavalent)	4.5	2.1		mg/Kg			10	7199

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 0916289-AB03950
Lab Sample ID: 460-4872-30
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 14:11
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	pH	5.23			SU		H	1	9045C

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: 0916289-AB03950
Lab Sample ID: 460-4872-30
Lab Name: TestAmerica Edison
Job No.: 460-4872-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/12/2009 14:11
Reporting Basis: WET
Date Received: 08/20/2009 07:10

CAS No.	Analyte	Conc.			Units	C	Q	DIL	Method
	Oxidation Reduction Potential	527			millivolts			1	SM 2580B

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-4872-1

SDG No.:

Analyst: JP Batch Start Date: 08/20/2009

Reporting Units: ug/L Analytical Batch No.: 15061

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
6	ICV	16:16	Cr (VI)	25.5	25.0	102	90-110		WThcrIM6_00017
7	ICB	16:23	Cr (VI)	1.0				U	
18	CCV	17:43	Cr (VI)	25.4	25.0	102	90-110		WThcrIM6_00017
19	CCB	17:50	Cr (VI)	1.0				U	
30	CCV	19:10	Cr (VI)	25.5	25.0	102	90-110		WThcrIM6_00017
31	CCB	19:18	Cr (VI)	1.0				U	
42	CCV	20:37	Cr (VI)	25.5	25.0	102	90-110		WThcrIM6_00017
43	CCB	20:44	Cr (VI)	1.0				U	
54	CCV	22:03	Cr (VI)	25.7	25.0	103	90-110		WThcrIM6_00017
55	CCB	22:10	Cr (VI)	1.0				U	

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.: 460-4872-1

SDG No.:

Analyst: JP Batch Start Date: 08/21/2009

Reporting Units: ug/L Analytical Batch No.: 15062

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
6	ICV	12:46	Cr (VI)	25.6	25.0	102	90-110		WThcrIM6_00018
7	ICB	12:53	Cr (VI)	1.0				U	
18	CCV	14:13	Cr (VI)	26.4	25.0	106	90-110		WThcrIM6_00018
19	CCB	14:20	Cr (VI)	1.0				U	
30	CCV	15:42	Cr (VI)	26.4	25.0	106	90-110		WThcrIM6_00018
31	CCB	15:49	Cr (VI)	1.0				U	
42	CCV	17:08	Cr (VI)	26.4	25.0	106	90-110		WThcrIM6_00018
43	CCB	17:16	Cr (VI)	1.0				U	
54	CCV	18:35	Cr (VI)	25.4	25.0	102	90-110		WThcrIM6_00018
55	CCB	18:42	Cr (VI)	1.23					
66	CCV	20:02	Cr (VI)	25.9	25.0	104	90-110		WThcrIM6_00018
67	CCB	20:09	Cr (VI)	1.0				U	

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.: 460-4872-1

SDG No.:

Analyst: LE Batch Start Date: 08/24/2009

Reporting Units: ug/L Analytical Batch No.: 15125

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
6	ICV	16:33	Cr (VI)	25.3	25.0	101	90-110		WThcrIM6_00019
7	ICB	16:40	Cr (VI)	1.0				U	
18	CCV	18:05	Cr (VI)	25.3	25.0	101	90-110		WThcrIM6_00019
19	CCB	18:13	Cr (VI)	1.0				U	
30	CCV	19:33	Cr (VI)	25.5	25.0	102	90-110		WThcrIM6_00019
31	CCB	19:40	Cr (VI)	1.0				U	
42	CCV	21:00	Cr (VI)	23.1	25.0	93	90-110		WThcrIM6_00019
43	CCB	21:07	Cr (VI)	1.0				U	

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.: 460-4872-1

SDG No.:

Analyst: LE Batch Start Date: 08/26/2009

Reporting Units: ug/L Analytical Batch No.: 15374

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
6	ICV	10:10	Cr (VI)	26.9	25.0	108	90-110		WThcrIM6_00021
7	ICB	10:17	Cr (VI)	1.0				U	
18	CCV	11:38	Cr (VI)	26.6	25.0	106	90-110		WThcrIM6_00021
19	CCB	11:45	Cr (VI)	1.0				U	
30	CCV	13:05	Cr (VI)	26.6	25.0	107	90-110		WThcrIM6_00021
31	CCB	13:13	Cr (VI)	1.0				U	
42	CCV	14:32	Cr (VI)	26.6	25.0	107	90-110		WThcrIM6_00021
43	CCB	14:39	Cr (VI)	1.0				U	

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.: 460-4872-1

SDG No.:

Analyst: XY Batch Start Date: 08/26/2009

Reporting Units: SU Analytical Batch No.: 15507

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
11	CCV	15:51	pH	6.960	7.00	99	99-101		WTpHCCV_00004
19	CCV	16:00	pH	6.960	7.00	99	99-101		WTpHCCV_00004

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.: 460-4872-1

SDG No.:

Analyst: XY Batch Start Date: 08/26/2009

Reporting Units: SU Analytical Batch No.: 15513

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
11	CCV	04:16	pH	6.970	7.00	100	99-101		WTpHCCV_00004
22	CCV	04:28	pH	6.990	7.00	100	99-101		WTpHCCV_00004

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.: 460-4872-1

SDG No.:

Analyst: HV Batch Start Date: 08/26/2009

Reporting Units: millivolts Analytical Batch No.: 15417

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
11	CCV	13:25	Oxidation Reduction Potential	681.0	679	100	98-102		WTredoxLCS_00001
22	CCV	13:52	Oxidation Reduction Potential	679.0	679	100	98-102		WTredoxLCS_00001
33	CCV	14:14	Oxidation Reduction Potential	681.0	679	100	98-102		WTredoxLCS_00001
39	CCV	14:30	Oxidation Reduction Potential	679.0	679	100	98-102		WTredoxLCS_00001

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.: 460-4872-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 15061	Date: 08/20/2009 16:30	Prep Batch: 14799		Date: 08/20/2009 12:47			
7199	MB 460-14799/1-A ^10	Chromium (hexavalent)	2.0	U	mg/Kg	2.0	10
Batch ID: 15125	Date: 08/24/2009 17:58	Prep Batch: 14913		Date: 08/21/2009 12:52			
7199	MB 460-14913/1-A	Chromium (hexavalent)	0.20	U	mg/Kg	0.20	1
Batch ID: 15513	Date: 08/26/2009 04:02						
9045C	MB 460-15513/1	pH	5.980		SU		1
Batch ID: 15507	Date: 08/26/2009 15:40						
9045C	MB 460-15507/1	pH	5.810		SU		1

FORM III-IN

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-4872-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 15061	Date: 08/20/2009 17:35		Prep Batch: 14799			Date: 08/20/2009 12:47					
7199	460-4872-1	Chromium (hexavalent)	27.5		mg/Kg						
7199	460-4872-1 MS	Chromium (hexavalent)	60.08		mg/Kg	41.9	78	75-125			
Batch ID: 15125	Date: 08/24/2009 19:11		Prep Batch: 14913			Date: 08/21/2009 12:52					
7199	460-4872-A-21 -B ^40	Chromium (hexavalent)	3.8		mg/Kg						
7199	460-4872-A-21 -B MS ^40 MS	Chromium (hexavalent)	45.19		mg/Kg	41.3	100	75-125			

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.: 460-4872-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 15061		Date: 08/20/2009 17:57	Prep Batch: 14799			Date: 08/20/2009 12:47					
7199	460-4872-1	Chromium (hexavalent)	27.5		mg/Kg						
7199	460-4872-1 MSI	Chromium (hexavalent)	583.7		mg/Kg	742	75	75-125			
Batch ID: 15125		Date: 08/24/2009 17:44	Prep Batch: 14799			Date: 08/20/2009 12:47					
7199	460-4872-1	Chromium (hexavalent)	27.5		mg/Kg						
7199	460-4872-1 PDS	Chromium (hexavalent)	86.26		mg/Kg	55.1	107	85-115			
Batch ID: 15125		Date: 08/24/2009 19:26	Prep Batch: 14913			Date: 08/21/2009 12:52					
7199	460-4872-21	Chromium (hexavalent)	3.9		mg/Kg						
7199	460-4872-21 MSI	Chromium (hexavalent)	577.2		mg/Kg	732	78	75-125			
Batch ID: 15374		Date: 08/26/2009 13:27	Prep Batch: 14913			Date: 08/21/2009 12:52					
7199	460-4872-21	Chromium (hexavalent)	3.9		mg/Kg						
7199	460-4872-21 PDS	Chromium (hexavalent)	43.85		mg/Kg	41.3	106	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

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-4872-1

SDG No.:

Matrix: Solid

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 15062	Date: 08/21/2009 13:51		Prep Batch: 14799	Date: 08/20/2009 12:47				
7199	0916260-AB03921	460-4872-1	Chromium (hexavalent)	27.5	mg/Kg			
7199	0916260-AB03921	460-4872-1 DU	Chromium (hexavalent)	26.36	mg/Kg	4	20	
Batch ID: 15062	Date: 08/21/2009 17:44		Prep Batch: 14799	Date: 08/20/2009 12:47				
7199	0916274-AB03935	460-4872-15	Chromium (hexavalent)	51.3	mg/Kg			
7199	0916274-AB03935	460-4872-15 DU	Chromium (hexavalent)	52.80	mg/Kg	3	20	
Batch ID: 15125	Date: 08/24/2009 18:57		Prep Batch: 14913	Date: 08/21/2009 12:52				
7199		460-4872-A-21-A	Chromium (hexavalent)	3.8	mg/Kg			
7199		460-4872-A-21-A DU ^10	Chromium (hexavalent)	5.24	mg/Kg	31	20	
Batch ID: 15513	Date: 08/26/2009 04:06							
9045C	0916274-AB03935	460-4872-15	pH	5.62	SU			
9045C	0916274-AB03935	460-4872-15 DU	pH	5.590	SU	1	10	H
Batch ID: 15513	Date: 08/26/2009 04:17							
9045C	0916280-AB03941	460-4872-21	pH	5.95	SU			
9045C	0916280-AB03941	460-4872-21 DU	pH	5.970	SU	0	10	H
Batch ID: 15507	Date: 08/26/2009 15:44							
9045C	0916260-AB03921	460-4872-1	pH	5.43	SU			
9045C	0916260-AB03921	460-4872-1 DU	pH	5.390	SU	1	10	H
Batch ID: 15417	Date: 08/26/2009 13:09							
SM 2580B	0916260-AB03921	460-4872-1	Oxidation Reduction Potential	563	millivolts			
SM 2580B	0916260-AB03921	460-4872-1 DU	Oxidation Reduction Potential	565.0	millivolts	0	10	
Batch ID: 15417	Date: 08/26/2009 13:47							
SM 2580B	0916274-AB03935	460-4872-15	Oxidation Reduction Potential	604	millivolts			
SM 2580B	0916274-AB03935	460-4872-15 DU	Oxidation Reduction Potential	602.0	millivolts	0	10	
Batch ID: 15417	Date: 08/26/2009 14:04							
SM 2580B	0916280-AB03941	460-4872-21	Oxidation Reduction Potential	578	millivolts			
SM 2580B	0916280-AB03941	460-4872-21 DU	Oxidation Reduction Potential	574.0	millivolts	1	10	

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.: 460-4872-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 15061		Date: 08/20/2009 16:52	Prep Batch: 14799			Date: 08/20/2009 12:47					
						LCS Source: WThcrsLCS_00006					
7199	LCS 460-14799/2-A ^10	Chromium (hexavalent)	5.14		mg/Kg	5.24	98	85-115			
Batch ID: 15125		Date: 08/24/2009 18:20	Prep Batch: 14913			Date: 08/21/2009 12:52					
						LCS Source: WThcrsLCS_00006					
7199	LCS 460-14913/2-A ^10	Chromium (hexavalent)	5.13		mg/Kg	5.24	98	85-115			
Batch ID: 15513		Date: 08/26/2009 04:03									
						LCS Source: WTpHLCS_00004					
9045C	LCS 460-15513/2	pH	5.890		SU	5.96	99	95-105			
Batch ID: 15507		Date: 08/26/2009 15:41									
						LCS Source: WTpHLCS_00004					
9045C	LCS 460-15507/2	pH	5.940		SU	5.96	100	95-105			
Batch ID: 15417		Date: 08/26/2009 13:05									
						LCS Source: WTredoxLCS_00001					
SM 2580B	LCS 460-15412/1-A	Oxidation Reduction Potential	681.0		millivolts	679	100	98-102			
Batch ID: 15417		Date: 08/26/2009 13:59									
						LCS Source: WTredoxLCS_00001					
SM 2580B	LCS 460-15412/26-A	Oxidation Reduction Potential	680.0		millivolts	679	100	98-102			

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.: 460-4872-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 15061	Date: 08/20/2009 17:06		Prep Batch: 14799			Date: 08/20/2009 12:47					
						LCS Source: WThcrPbCr_00002					
7199	LCSI 460-14799/3-A ^500	Chromium (hexavalent)	685.1		mg/Kg	708	97	85-115			
Batch ID: 15125	Date: 08/24/2009 18:35		Prep Batch: 14913			Date: 08/21/2009 12:52					
						LCS Source: WThcrPbCr_00002					
7199	LCSI 460-14913/3-A ^500	Chromium (hexavalent)	686.7		mg/Kg	708	97	85-115			

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: 460-4872-1

SDG Number:

Matrix: Solid Instrument ID: IC

Analysis Method: 7199 RL Date: 12/22/2008 11:17

Prep Method: 3060A

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/Kg)	
Chromium (hexavalent)		0.2	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-4872-1

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	

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-4872-1

SDG No.:

Preparation Method: 3060A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-14799/1-A ^10	08/20/2009 12:47	14799	2.50		100
LCS 460-14799/2-A ^10	08/20/2009 12:47	14799	2.50		100
LCSI 460-14799/3-A ^500	08/20/2009 12:47	14799	2.50		100
460-4872-1 DU	08/20/2009 12:47	14799	2.50		100
460-4872-1 MS	08/20/2009 12:47	14799	2.50		100
460-4872-1 MSI	08/20/2009 12:47	14799	2.50		100
460-4872-1	08/20/2009 12:47	14799	2.50		100
460-4872-2	08/20/2009 12:47	14799	2.45		100
460-4872-3	08/20/2009 12:47	14799	2.53		100
460-4872-4	08/20/2009 12:47	14799	2.46		100
460-4872-5	08/20/2009 12:47	14799	2.43		100
460-4872-6	08/20/2009 12:47	14799	2.48		100
460-4872-7	08/20/2009 12:47	14799	2.45		100
460-4872-8	08/20/2009 12:47	14799	2.56		100
460-4872-9	08/20/2009 12:47	14799	2.48		100
460-4872-10	08/20/2009 12:47	14799	2.45		100
460-4872-11	08/20/2009 12:47	14799	2.47		100
460-4872-12	08/20/2009 12:47	14799	2.48		100
460-4872-13	08/20/2009 12:47	14799	2.51		100
460-4872-14	08/20/2009 12:47	14799	2.48		100
460-4872-15	08/20/2009 12:47	14799	2.48		100
460-4872-15 DU	08/20/2009 12:47	14799	2.52		100
460-4872-16	08/20/2009 12:47	14799	2.51		100
460-4872-17	08/20/2009 12:47	14799	2.44		100
460-4872-18	08/20/2009 12:47	14799	2.51		100
460-4872-19	08/20/2009 12:47	14799	2.50		100
460-4872-20	08/20/2009 12:47	14799	2.50		100

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-4872-1

SDG No.:

Preparation Method: 3060A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-14913/1-A	08/21/2009 12:52	14913	2.50		100
LCS 460-14913/2-A ^10	08/21/2009 12:52	14913	2.50		100
LCSI 460-14913/3-A ^500	08/21/2009 12:52	14913	2.50		100
460-4872-A-21-A DU ^10	08/21/2009 12:52	14913	2.50		100
460-4872-A-21-B MS ^40	08/21/2009 12:52	14913	2.50		100
460-4872-21 MSI	08/21/2009 12:52	14913	2.50		100
460-4872-21	08/21/2009 12:52	14913	2.50		100
460-4872-22	08/21/2009 12:52	14913	2.42		100
460-4872-23	08/21/2009 12:52	14913	2.43		100
460-4872-24	08/21/2009 12:52	14913	2.49		100
460-4872-25	08/21/2009 12:52	14913	2.58		100
460-4872-26	08/21/2009 12:52	14913	2.49		100
460-4872-27	08/21/2009 12:52	14913	2.45		100
460-4872-28	08/21/2009 12:52	14913	2.46		100
460-4872-29	08/21/2009 12:52	14913	2.49		100
460-4872-30	08/21/2009 12:52	14913	2.50		100

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-4872-1

SDG No.:

Instrument ID: IC Method: 7199

Start Date: 08/20/2009 15:32 End Date: 08/21/2009 03:15

Lab Sample ID	D/F	Type	Time	Analytes																			
				Cr6																			
ZZZZZZ			15:32																				
ZZZZZZ			15:47																				
ZZZZZZ			15:54																				
ZZZZZZ			16:01																				
ZZZZZZ			16:08																				
ICV 460-15061/6	1		16:16	X																			
ICB 460-15061/7	1		16:23	X																			
MB 460-14799/1-A ^10	10	T	16:30	X																			
ZZZZZZ			16:37																				
ZZZZZZ			16:44																				
LCS 460-14799/2-A ^10	10	T	16:52	X																			
ZZZZZZ			16:59																				
LCSI 460-14799/3-A ^500	500	T	17:06	X																			
ZZZZZZ			17:13																				
ZZZZZZ			17:21																				
ZZZZZZ			17:28																				
460-4872-1 MS	40	T	17:35	X																			
CCV 460-15061/18	1		17:43	X																			
CCB 460-15061/19	1		17:50	X																			
460-4872-1 MSI	500	T	17:57	X																			
ZZZZZZ			18:05																				
ZZZZZZ			18:12																				
ZZZZZZ			18:19																				
ZZZZZZ			18:27																				
460-4872-2	10	T	18:34	X																			
ZZZZZZ			18:41																				
ZZZZZZ			18:48																				
ZZZZZZ			18:56																				
ZZZZZZ			19:03																				
CCV 460-15061/30	1		19:10	X																			
CCB 460-15061/31	1		19:18	X																			
ZZZZZZ			19:25																				
ZZZZZZ			19:32																				
ZZZZZZ			19:39																				
ZZZZZZ			19:47																				
ZZZZZZ			19:54																				
ZZZZZZ			20:01																				
ZZZZZZ			20:08																				
ZZZZZZ			20:15																				
460-4872-9	10	T	20:23	X																			
ZZZZZZ			20:30																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-4872-1

SDG No.:

Instrument ID: IC Method: 7199

Start Date: 08/20/2009 15:32 End Date: 08/21/2009 03:15

Lab Sample ID	D/F	Type	Time	Analytes																			
				Cr6																			
CCV 460-15061/42	1		20:37	X																			
CCB 460-15061/43	1		20:44	X																			
460-4872-10	10	T	20:51	X																			
ZZZZZZ			20:58																				
ZZZZZZ			21:06																				
ZZZZZZ			21:13																				
ZZZZZZ			21:20																				
ZZZZZZ			21:27																				
ZZZZZZ			21:34																				
ZZZZZZ			21:41																				
ZZZZZZ			21:49																				
ZZZZZZ			21:56																				
CCV 460-15061/54	1		22:03	X																			
CCB 460-15061/55	1		22:10	X																			
ZZZZZZ			22:18																				
ZZZZZZ			22:25																				
ZZZZZZ			22:32																				
ZZZZZZ			22:39																				
ZZZZZZ			22:47																				
ZZZZZZ			22:54																				
ZZZZZZ			23:01																				
ZZZZZZ			23:09																				
ZZZZZZ			23:16																				
ZZZZZZ			23:23																				
CCV 460-15061/66			23:31																				
CCB 460-15061/67			23:38																				
ZZZZZZ			23:45																				
ZZZZZZ			23:53																				
ZZZZZZ			00:00																				
ZZZZZZ			00:07																				
ZZZZZZ			00:14																				
ZZZZZZ			00:22																				
ZZZZZZ			00:29																				
ZZZZZZ			00:36																				
ZZZZZZ			00:43																				
ZZZZZZ			00:50																				
CCV 460-15061/78			00:58																				
CCB 460-15061/79			01:05																				
ZZZZZZ			01:12																				
ZZZZZZ			01:19																				
ZZZZZZ			01:26																				
ZZZZZZ			01:34																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-4872-1

SDG No.:

Instrument ID: IC Method: 7199

Start Date: 08/20/2009 15:32 End Date: 08/21/2009 03:15

Lab Sample ID	D/F	Type	Time	Analytes																			
				Cr6																			
ZZZZZZ			01:41																				
ZZZZZZ			01:48																				
ZZZZZZ			01:55																				
ZZZZZZ			02:02																				
ZZZZZZ			02:09																				
ZZZZZZ			02:17																				
CCV 460-15061/90			02:24																				
CCB 460-15061/91			02:31																				
ZZZZZZ			02:38																				
ZZZZZZ			02:45																				
ZZZZZZ			02:53																				
ZZZZZZ			03:00																				
CCV 460-15061/96			03:07																				
CCB 460-15061/97			03:15																				

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-4872-1

SDG No.:

Instrument ID: IC Method: 7199

Start Date: 08/21/2009 12:10 End Date: 08/22/2009 00:59

Lab Sample ID	D/F	Type	Time	Analytes																			
				Cr6																			
ZZZZZZ			12:10																				
ZZZZZZ			12:17																				
ZZZZZZ			12:24																				
ZZZZZZ			12:32																				
ZZZZZZ			12:39																				
ICV 460-15062/6	1		12:46	X																			
ICB 460-15062/7	1		12:53	X																			
ZZZZZZ			13:00																				
ZZZZZZ			13:08																				
ZZZZZZ			13:15																				
ZZZZZZ			13:22																				
ZZZZZZ			13:29																				
ZZZZZZ			13:37																				
ZZZZZZ			13:44																				
460-4872-1 DU	20	T	13:51	X																			
ZZZZZZ			13:58																				
460-4872-1	20	T	14:06	X																			
CCV 460-15062/18	1		14:13	X																			
CCB 460-15062/19	1		14:20	X																			
460-4872-3	20	T	14:28	X																			
ZZZZZZ			14:35																				
ZZZZZZ			14:42																				
460-4872-4	20	T	14:50	X																			
460-4872-5	20	T	14:57	X																			
ZZZZZZ			15:04																				
460-4872-6	20	T	15:12	X																			
ZZZZZZ			15:19																				
460-4872-7	20	T	15:26	X																			
ZZZZZZ			15:34																				
CCV 460-15062/30	1		15:42	X																			
CCB 460-15062/31	1		15:49	X																			
460-4872-8	20	T	15:56	X																			
ZZZZZZ			16:04																				
ZZZZZZ			16:11																				
ZZZZZZ			16:18																				
460-4872-12	40	T	16:25	X																			
ZZZZZZ			16:32																				
460-4872-13	20	T	16:40	X																			
ZZZZZZ			16:47																				
460-4872-14	50	T	16:54	X																			
ZZZZZZ			17:01																				
CCV 460-15062/42	1		17:08	X																			

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-4872-1

SDG No.:

Instrument ID: IC Method: 7199

Start Date: 08/21/2009 12:10 End Date: 08/22/2009 00:59

Lab Sample ID	D/F	Type	Time	Analytes																			
				Cr6																			
CCB 460-15062/43	1		17:16	X																			
ZZZZZZ			17:23																				
460-4872-15	50	T	17:30	X																			
ZZZZZZ			17:37																				
460-4872-15 DU	50	T	17:44	X																			
ZZZZZZ			17:51																				
460-4872-16	40	T	17:58	X																			
ZZZZZZ			18:06																				
460-4872-17	20	T	18:13	X																			
460-4872-18	50	T	18:20	X																			
ZZZZZZ			18:27																				
CCV 460-15062/54	1		18:35	X																			
CCB 460-15062/55	1		18:42	X																			
ZZZZZZ			18:49																				
460-4872-19	40	T	18:56	X																			
460-4872-20	50	T	19:04	X																			
ZZZZZZ			19:11																				
ZZZZZZ			19:18																				
460-4872-11	50	T	19:26	X																			
ZZZZZZ			19:33																				
ZZZZZZ			19:40																				
ZZZZZZ			19:47																				
ZZZZZZ			19:55																				
CCV 460-15062/66	1		20:02	X																			
CCB 460-15062/67	1		20:09	X																			
ZZZZZZ			20:17																				
ZZZZZZ			20:24																				
ZZZZZZ			20:31																				
ZZZZZZ			20:39																				
ZZZZZZ			20:46																				
ZZZZZZ			20:53																				
ZZZZZZ			21:00																				
ZZZZZZ			21:08																				
ZZZZZZ			21:15																				
ZZZZZZ			21:22																				
CCV 460-15062/78			21:29																				
CCB 460-15062/79			21:36																				
ZZZZZZ			21:44																				
ZZZZZZ			21:51																				
ZZZZZZ			21:58																				
ZZZZZZ			22:05																				
ZZZZZZ			22:12																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-4872-1

SDG No.:

Instrument ID: IC Method: 7199

Start Date: 08/21/2009 12:10 End Date: 08/22/2009 00:59

Lab Sample ID	D/F	Type	Time	Analytes																			
				Cr6																			
ZZZZZZ			22:19																				
ZZZZZZ			22:27																				
ZZZZZZ			22:34																				
ZZZZZZ			22:41																				
ZZZZZZ			22:48																				
CCV 460-15062/90			22:55																				
CCB 460-15062/91			23:03																				
ZZZZZZ			23:10																				
ZZZZZZ			23:17																				
ZZZZZZ			23:24																				
ZZZZZZ			23:32																				
ZZZZZZ			23:39																				
ZZZZZZ			23:46																				
ZZZZZZ			23:53																				
ZZZZZZ			00:01																				
ZZZZZZ			00:08																				
ZZZZZZ			00:15																				
CCV 460-15062/102			00:23																				
CCB 460-15062/103			00:30																				
ZZZZZZ			00:37																				
ZZZZZZ			00:45																				
CCV 460-15062/106			00:52																				
CCB 460-15062/107			00:59																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-4872-1

SDG No.:

Instrument ID: IC Method: 7199

Start Date: 08/24/2009 15:57 End Date: 08/24/2009 23:31

Lab Sample ID	D/F	Type	Time	Analytes																			
				Cr6																			
ZZZZZZ			15:57																				
ZZZZZZ			16:04																				
ZZZZZZ			16:11																				
ZZZZZZ			16:18																				
ZZZZZZ			16:26																				
ICV 460-15125/6	1		16:33	X																			
ICB 460-15125/7	1		16:40	X																			
ZZZZZZ			16:47																				
ZZZZZZ			16:54																				
ZZZZZZ			17:02																				
ZZZZZZ			17:13																				
ZZZZZZ			17:22																				
ZZZZZZ			17:29																				
ZZZZZZ			17:36																				
460-4872-1 PDS	100	T	17:44	X																			
ZZZZZZ			17:51																				
MB 460-14913/1-A	1	T	17:58	X																			
CCV 460-15125/18	1		18:05	X																			
CCB 460-15125/19	1		18:13	X																			
LCS 460-14913/2-A ^10	10	T	18:20	X																			
ZZZZZZ			18:27																				
LCSI 460-14913/3-A ^500	500	T	18:35	X																			
ZZZZZZ			18:42																				
ZZZZZZ			18:49																				
460-4872-A-21-A DU ^10	10	T	18:57	X																			
ZZZZZZ			19:04																				
460-4872-A-21-B MS ^40	40	T	19:11	X																			
ZZZZZZ			19:19																				
460-4872-21 MSI	500	T	19:26	X																			
CCV 460-15125/30	1		19:33	X																			
CCB 460-15125/31	1		19:40	X																			
460-4872-21	10	T	19:48	X																			
ZZZZZZ			19:55																				
ZZZZZZ			20:02																				
ZZZZZZ			20:09																				
460-4872-23	10	T	20:17	X																			
ZZZZZZ			20:24																				
ZZZZZZ			20:31																				
ZZZZZZ			20:38																				
ZZZZZZ			20:45																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-4872-1

SDG No.:

Instrument ID: IC Method: 7199

Start Date: 08/24/2009 15:57 End Date: 08/24/2009 23:31

Lab Sample ID	D/F	Type	Time	Analytes																			
				Cr6																			
460-4872-25	10	T	20:53	X																			
CCV 460-15125/42	1		21:00	X																			
CCB 460-15125/43	1		21:07	X																			
ZZZZZZ			21:14																				
ZZZZZZ			21:21																				
ZZZZZZ			21:28																				
ZZZZZZ			21:35																				
ZZZZZZ			21:43																				
ZZZZZZ			21:50																				
ZZZZZZ			21:57																				
ZZZZZZ			22:04																				
ZZZZZZ			22:11																				
ZZZZZZ			22:19																				
CCV 460-15125/54			22:26																				
CCB 460-15125/55			22:33																				
ZZZZZZ			22:40																				
ZZZZZZ			22:48																				
ZZZZZZ			22:55																				
ZZZZZZ			23:02																				
ZZZZZZ			23:09																				
ZZZZZZ			23:17																				
CCV 460-15125/62			23:24																				
CCB 460-15125/63			23:31																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-4872-1

SDG No.:

Instrument ID: IC Method: 7199

Start Date: 08/26/2009 09:34 End Date: 08/26/2009 17:24

Lab Sample ID	D/F	Type	Time	Analytes																			
				Cr6																			
ZZZZZZ			09:34																				
ZZZZZZ			09:41																				
ZZZZZZ			09:48																				
ZZZZZZ			09:56																				
ZZZZZZ			10:03																				
ICV 460-15374/6	1		10:10	X																			
ICB 460-15374/7	1		10:17	X																			
ZZZZZZ			10:25																				
ZZZZZZ			10:32																				
ZZZZZZ			10:39																				
ZZZZZZ			10:46																				
ZZZZZZ			10:53																				
ZZZZZZ			11:01																				
460-4872-26	10	T	11:08	X																			
ZZZZZZ			11:15																				
460-4872-27	10	T	11:23	X																			
ZZZZZZ			11:30																				
CCV 460-15374/18	1		11:38	X																			
CCB 460-15374/19	1		11:45	X																			
ZZZZZZ			11:52																				
460-4872-28	10	T	12:00	X																			
ZZZZZZ			12:07																				
460-4872-29	10	T	12:14	X																			
460-4872-30	10	T	12:22	X																			
ZZZZZZ			12:29																				
ZZZZZZ			12:36																				
460-4872-22	40	T	12:43	X																			
ZZZZZZ			12:51																				
460-4872-24	20	T	12:58	X																			
CCV 460-15374/30	1		13:05	X																			
CCB 460-15374/31	1		13:13	X																			
ZZZZZZ			13:20																				
460-4872-21 PDS	40	T	13:27	X																			
ZZZZZZ			13:34																				
ZZZZZZ			13:42																				
ZZZZZZ			13:49																				
ZZZZZZ			13:56																				
ZZZZZZ			14:03																				
ZZZZZZ			14:10																				
ZZZZZZ			14:18																				
ZZZZZZ			14:25																				
CCV 460-15374/42	1		14:32	X																			

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-4872-1

SDG No.:

Instrument ID: IC Method: 7199

Start Date: 08/26/2009 09:34 End Date: 08/26/2009 17:24

Lab Sample ID	D/F	Type	Time	Analytes																			
				Cr6																			
CCB 460-15374/43	1		14:39	X																			
ZZZZZZ			14:46																				
ZZZZZZ			14:53																				
ZZZZZZ			15:00																				
ZZZZZZ			15:08																				
ZZZZZZ			15:15																				
ZZZZZZ			15:22																				
ZZZZZZ			15:29																				
ZZZZZZ			15:36																				
ZZZZZZ			15:44																				
ZZZZZZ			15:51																				
CCV 460-15374/54			15:58																				
CCB 460-15374/55			16:05																				
CCV 460-15374/56			16:47																				
CCB 460-15374/57			16:54																				
ZZZZZZ			17:02																				
ZZZZZZ			17:09																				
CCV 460-15374/60			17:16																				
CCB 460-15374/61			17:24																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-4872-1

SDG No.:

Instrument ID: NOEQUIP Method: 9045C

Start Date: 08/26/2009 04:02 End Date: 08/26/2009 04:28

Lab Sample ID	D/F	Type	Time	Analytes																			
				pH																			
MB 460-15513/1	1	T	04:02	X																			
LCS 460-15513/2	1	T	04:03	X																			
460-4872-15	1	T	04:05	X																			
460-4872-15 DU	1	T	04:06	X																			
460-4872-16	1	T	04:07	X																			
460-4872-17	1	T	04:08	X																			
460-4872-18	1	T	04:09	X																			
460-4872-19	1	T	04:10	X																			
460-4872-20	1	T	04:11	X																			
460-4872-21	1	T	04:12	X																			
CCV 460-15513/11	1		04:16	X																			
460-4872-21 DU	1	T	04:17	X																			
460-4872-22	1	T	04:18	X																			
460-4872-23	1	T	04:19	X																			
460-4872-24	1	T	04:20	X																			
460-4872-25	1	T	04:21	X																			
460-4872-26	1	T	04:22	X																			
460-4872-27	1	T	04:23	X																			
460-4872-28	1	T	04:24	X																			
460-4872-29	1	T	04:25	X																			
460-4872-30	1	T	04:26	X																			
CCV 460-15513/22	1		04:28	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-4872-1

SDG No.:

Instrument ID: NOEQUIP Method: 9045C

Start Date: 08/26/2009 15:40 End Date: 08/26/2009 16:00

Lab Sample ID	D/F	Type	Time	Analytes																			
				pH																			
MB 460-15507/1	1	T	15:40	X																			
LCS 460-15507/2	1	T	15:41	X																			
460-4872-1	1	T	15:43	X																			
460-4872-1 DU	1	T	15:44	X																			
460-4872-2	1	T	15:45	X																			
460-4872-3	1	T	15:46	X																			
460-4872-4	1	T	15:47	X																			
460-4872-5	1	T	15:48	X																			
460-4872-6	1	T	15:49	X																			
460-4872-7	1	T	15:50	X																			
CCV 460-15507/11	1		15:51	X																			
460-4872-8	1	T	15:52	X																			
460-4872-9	1	T	15:53	X																			
460-4872-10	1	T	15:54	X																			
460-4872-11	1	T	15:55	X																			
460-4872-12	1	T	15:56	X																			
460-4872-13	1	T	15:57	X																			
460-4872-14	1	T	15:58	X																			
CCV 460-15507/19	1		16:00	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-4872-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 08/20/2009 18:13 End Date: 08/21/2009 00:05

Lab Sample ID	D/F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			18:13																				
ZZZZZZ			18:13																				
ZZZZZZ			18:13																				
ZZZZZZ			18:13																				
ZZZZZZ			18:13																				
ZZZZZZ			18:13																				
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ZZZZZZ			18:44																				
ZZZZZZ			18:56																				
ZZZZZZ			18:56																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-4872-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 08/20/2009 18:13 End Date: 08/21/2009 00:05

Lab Sample ID	D/F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			18:56																				
ZZZZZZ			18:56																				
ZZZZZZ			18:56																				
ZZZZZZ			18:56																				
ZZZZZZ			18:56																				
ZZZZZZ			18:56																				
ZZZZZZ			18:56																				
ZZZZZZ			18:56																				
ZZZZZZ			18:56																				
460-4872-1	1	T	18:56	X	X																		
460-4872-2	1	T	18:56	X	X																		
460-4872-3	1	T	18:56	X	X																		
460-4872-4	1	T	18:56	X	X																		
460-4872-5	1	T	18:56	X	X																		
460-4872-6	1	T	18:56	X	X																		
460-4872-7	1	T	18:56	X	X																		
460-4872-8	1	T	18:56	X	X																		
460-4872-9	1	T	18:56	X	X																		
460-4872-10	1	T	19:26	X	X																		
ZZZZZZ			19:26																				
460-4872-11	1	T	19:26	X	X																		
460-4872-12	1	T	19:26	X	X																		
460-4872-13	1	T	19:26	X	X																		
460-4872-14	1	T	19:26	X	X																		
460-4872-15	1	T	19:26	X	X																		
460-4872-16	1	T	19:26	X	X																		
460-4872-17	1	T	19:26	X	X																		
460-4872-18	1	T	19:26	X	X																		
460-4872-19	1	T	19:26	X	X																		
460-4872-20	1	T	19:26	X	X																		
460-4872-21	1	T	19:26	X	X																		
460-4872-22	1	T	19:26	X	X																		
460-4872-23	1	T	19:26	X	X																		
460-4872-24	1	T	19:26	X	X																		
460-4872-25	1	T	19:26	X	X																		
460-4872-26	1	T	19:26	X	X																		
460-4872-27	1	T	19:26	X	X																		
460-4872-28	1	T	19:26	X	X																		
460-4872-29	1	T	19:36	X	X																		
460-4872-30	1	T	19:36	X	X																		
ZZZZZZ			19:36																				
ZZZZZZ			22:22																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-4872-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 08/20/2009 18:13 End Date: 08/21/2009 00:05

Lab Sample ID	D/F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			22:22																				
ZZZZZZ			22:22																				
ZZZZZZ			22:22																				
ZZZZZZ			22:22																				
ZZZZZZ			22:22																				
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ZZZZZZ			22:53																				
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ZZZZZZ			22:53																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-4872-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 08/20/2009 18:13 End Date: 08/21/2009 00:05

Lab Sample ID	D/F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			22:53																				
ZZZZZZ			22:53																				
ZZZZZZ			22:53																				
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ZZZZZZ			22:53																				
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ZZZZZZ			23:45																				
ZZZZZZ			00:05																				
ZZZZZZ			00:05																				
ZZZZZZ			00:05																				
ZZZZZZ			00:05																				
ZZZZZZ			00:05																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-4872-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 08/20/2009 18:13 End Date: 08/21/2009 00:05

Lab Sample ID	D/F	Type	Time	Analytes																			
				% Sol	Moist																		
ZZZZZZ			00:05																				

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-4872-1

SDG No.:

Instrument ID: NOEQUIP Method: SM 2580B

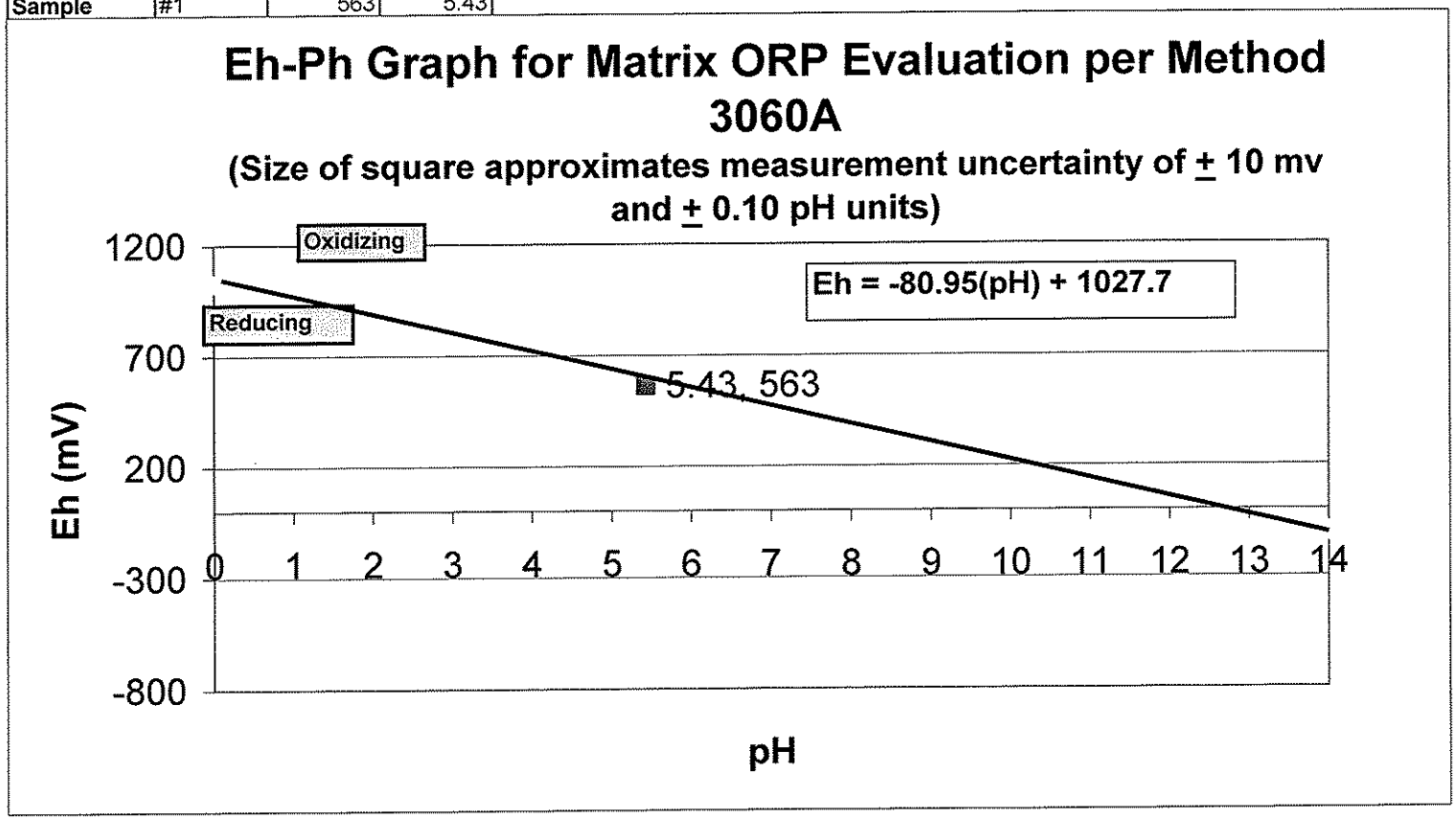
Start Date: 08/26/2009 13:05 End Date: 08/26/2009 14:30

Lab Sample ID	D/F	Type	Time	Analytes																			
				ORP																			
LCS 460-15412/1-A	1	S	13:05	X																			
460-4872-1	1	S	13:07	X																			
460-4872-1 DU	1	S	13:09	X																			
460-4872-2	1	S	13:11	X																			
460-4872-3	1	S	13:13	X																			
460-4872-4	1	S	13:15	X																			
460-4872-5	1	S	13:17	X																			
460-4872-6	1	S	13:19	X																			
460-4872-7	1	S	13:21	X																			
460-4872-8	1	S	13:23	X																			
CCV 460-15412/11-A	1		13:25	X																			
460-4872-9	1	S	13:27	X																			
460-4872-10	1	S	13:29	X																			
460-4872-11	1	S	13:31	X																			
460-4872-12	1	S	13:33	X																			
460-4872-13	1	S	13:35	X																			
460-4872-14	1	S	13:37	X																			
460-4872-15	1	S	13:45	X																			
460-4872-15 DU	1	S	13:47	X																			
460-4872-16	1	S	13:48	X																			
460-4872-17	1	S	13:50	X																			
CCV 460-15412/22-A	1		13:52	X																			
460-4872-18	1	S	13:53	X																			
460-4872-19	1	S	13:55	X																			
460-4872-20	1	S	13:57	X																			
LCS 460-15412/26-A	1	S	13:59	X																			
460-4872-21	1	S	14:02	X																			
460-4872-21 DU	1	S	14:04	X																			
460-4872-22	1	S	14:06	X																			
460-4872-23	1	S	14:08	X																			
460-4872-24	1	S	14:10	X																			
460-4872-25	1	S	14:12	X																			
CCV 460-15412/33-A	1		14:14	X																			
460-4872-26	1	S	14:16	X																			
460-4872-27	1	S	14:18	X																			
460-4872-28	1	S	14:20	X																			
460-4872-29	1	S	14:22	X																			
460-4872-30	1	S	14:24	X																			
CCV 460-15412/39-A	1		14:30	X																			

Prep Types
S = Soluble

Eh-pH Graph
Method SW-846 Method 3060A
LAB ID

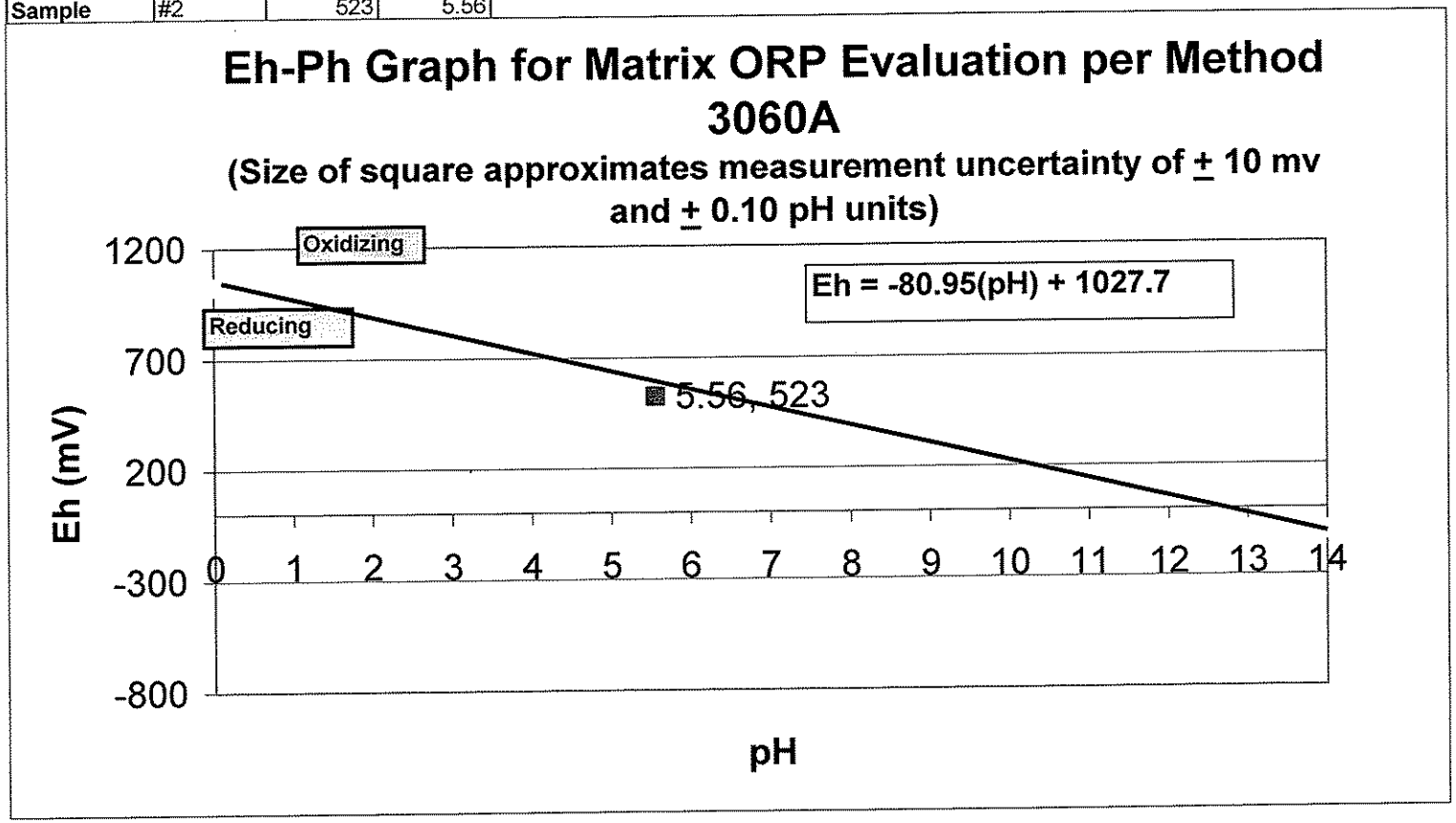
Job	4872	Eh	pH
Sample	#1	563	5.43



Eh values plotted on this diagram are corrected for the reference electrode voltage.
Using a combination Platinum electrode, the Eh readings at 20 deg C are adjusted by adding 204 Mv.

Eh-pH Graph
Method SW-846 Method 3060A
LAB ID

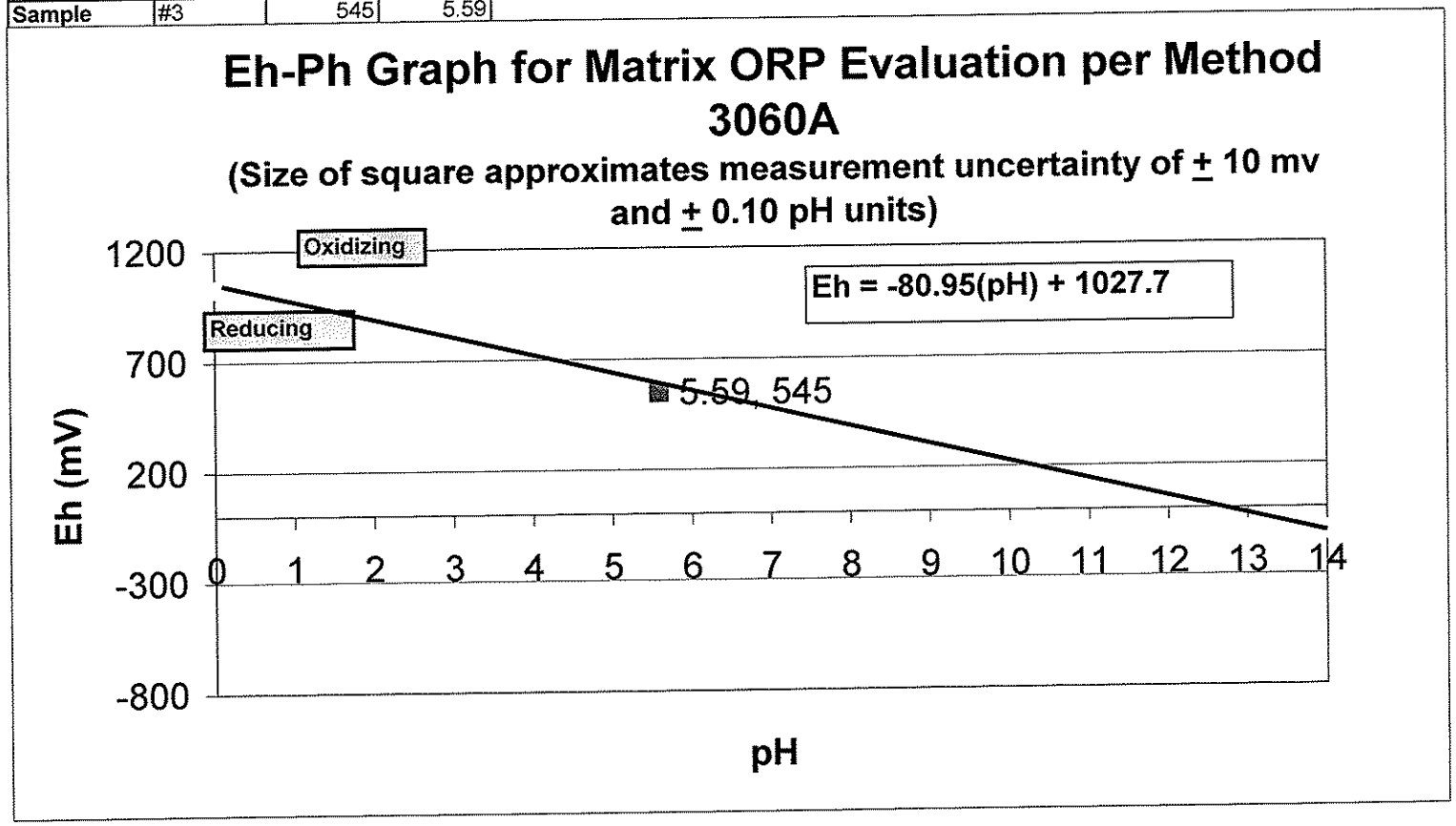
Job	4872	Eh	pH
Sample	#2	523	5.56



Eh values plotted on this diagram are corrected for the reference electrode voltage.
Using a combination Platinum electrode, the Eh readings at 20 deg C are adjusted by adding 204 Mv.

Eh-pH Graph
Method SW-846 Method 3060A
LAB ID

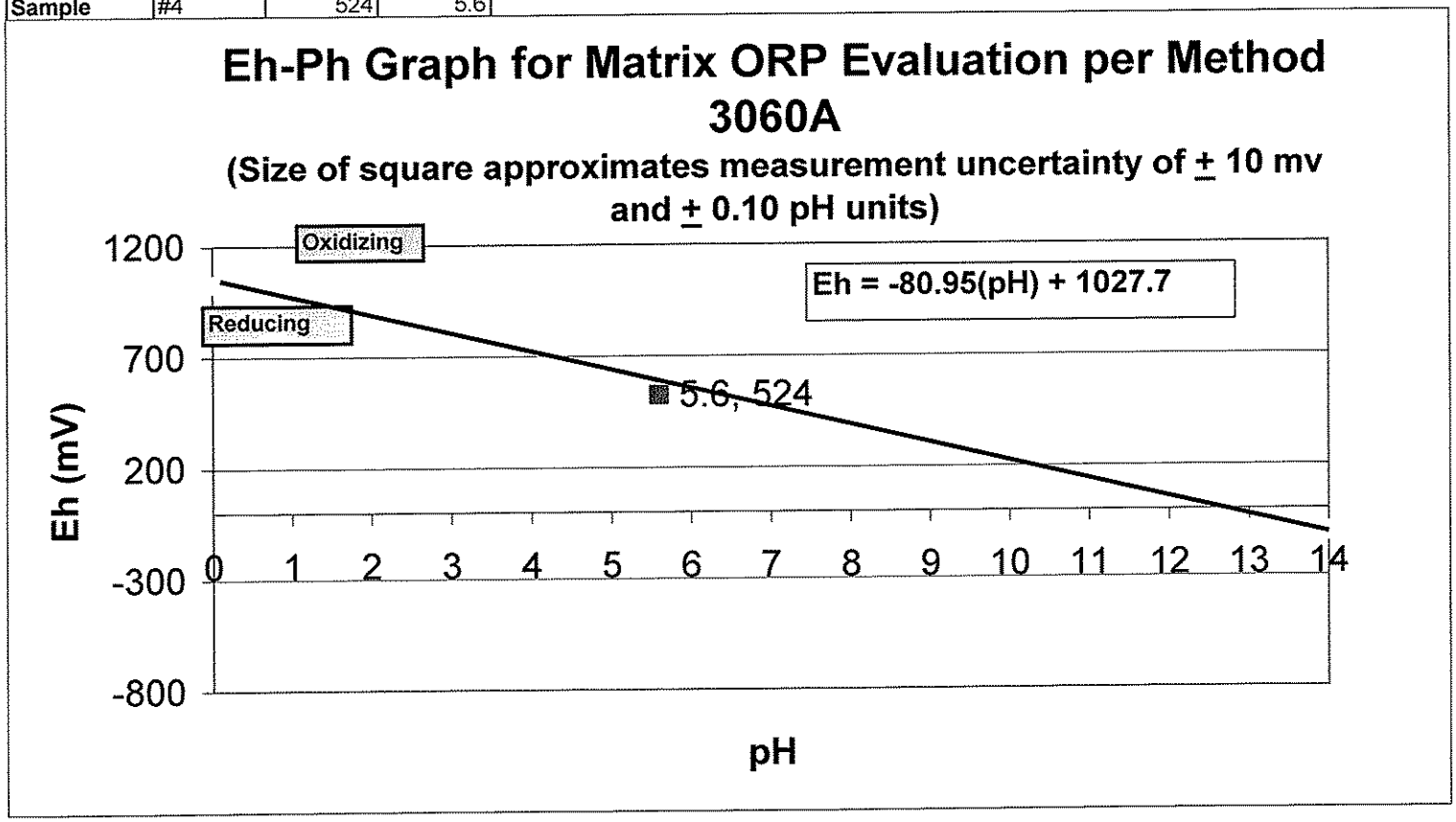
Job	4872	Eh	pH
Sample	#3	545	5.59



Eh values plotted on this diagram are corrected for the reference electrode voltage.
Using a combination Platinum electrode, the Eh readings at 20 deg C are adjusted by adding 204 Mv.

Eh-pH Graph
Method SW-846 Method 3060A
LAB ID

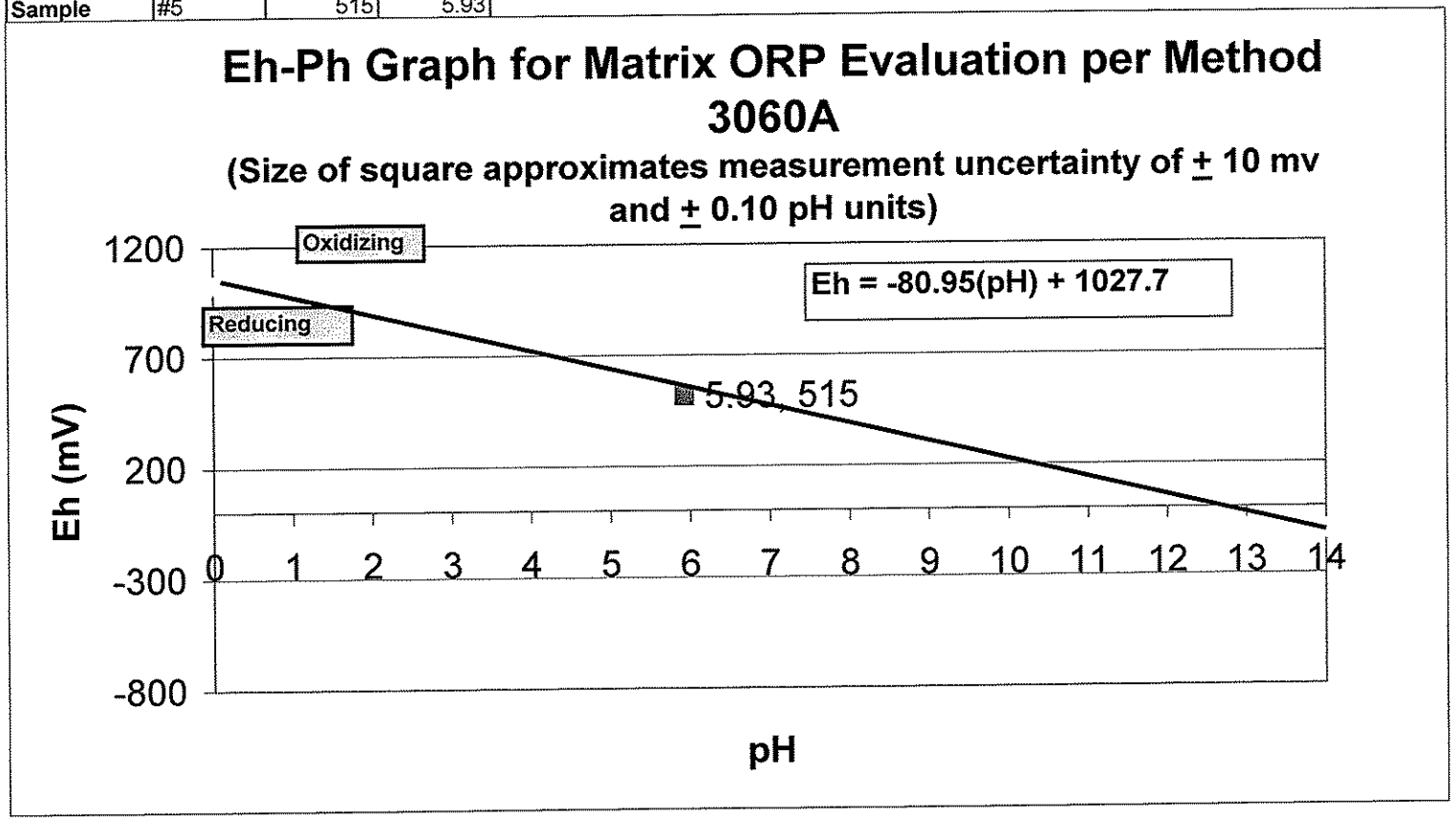
Job	4872	Eh	pH
Sample	#4	524	5.6



Eh values plotted on this diagram are corrected for the reference electrode voltage.
Using a combination Platinum electrode, the Eh readings at 20 deg C are adjusted by adding 204 Mv.

Eh-pH Graph
Method SW-846 Method 3060A
LAB ID

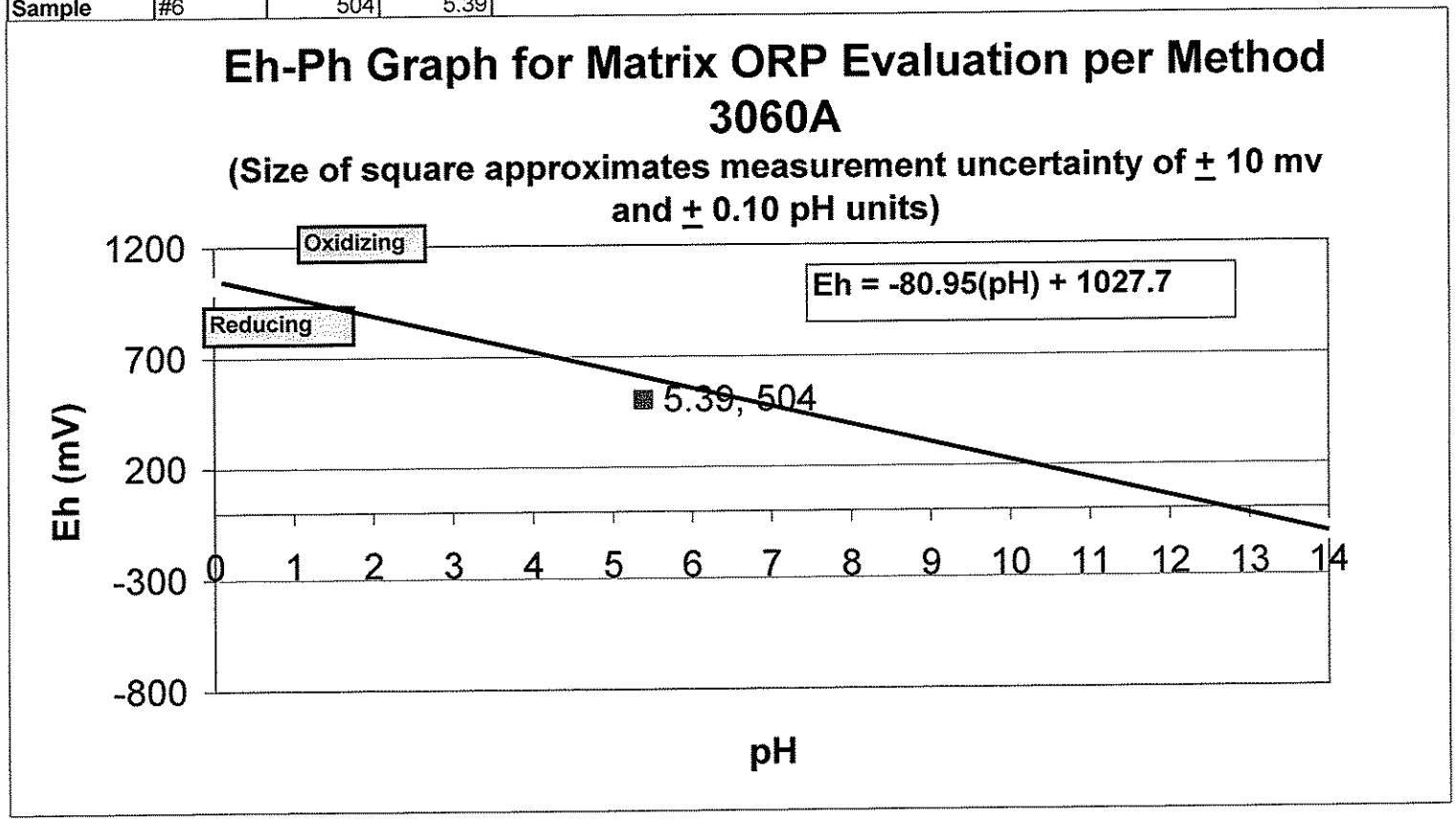
Job	4872	Eh	pH
Sample	#5	515	5.93



Eh values plotted on this diagram are corrected for the reference electrode voltage.
Using a combination Platinum electrode, the Eh readings at 20 deg C are adjusted by adding 204 Mv.

Eh-pH Graph
Method SW-846 Method 3060A
LAB ID

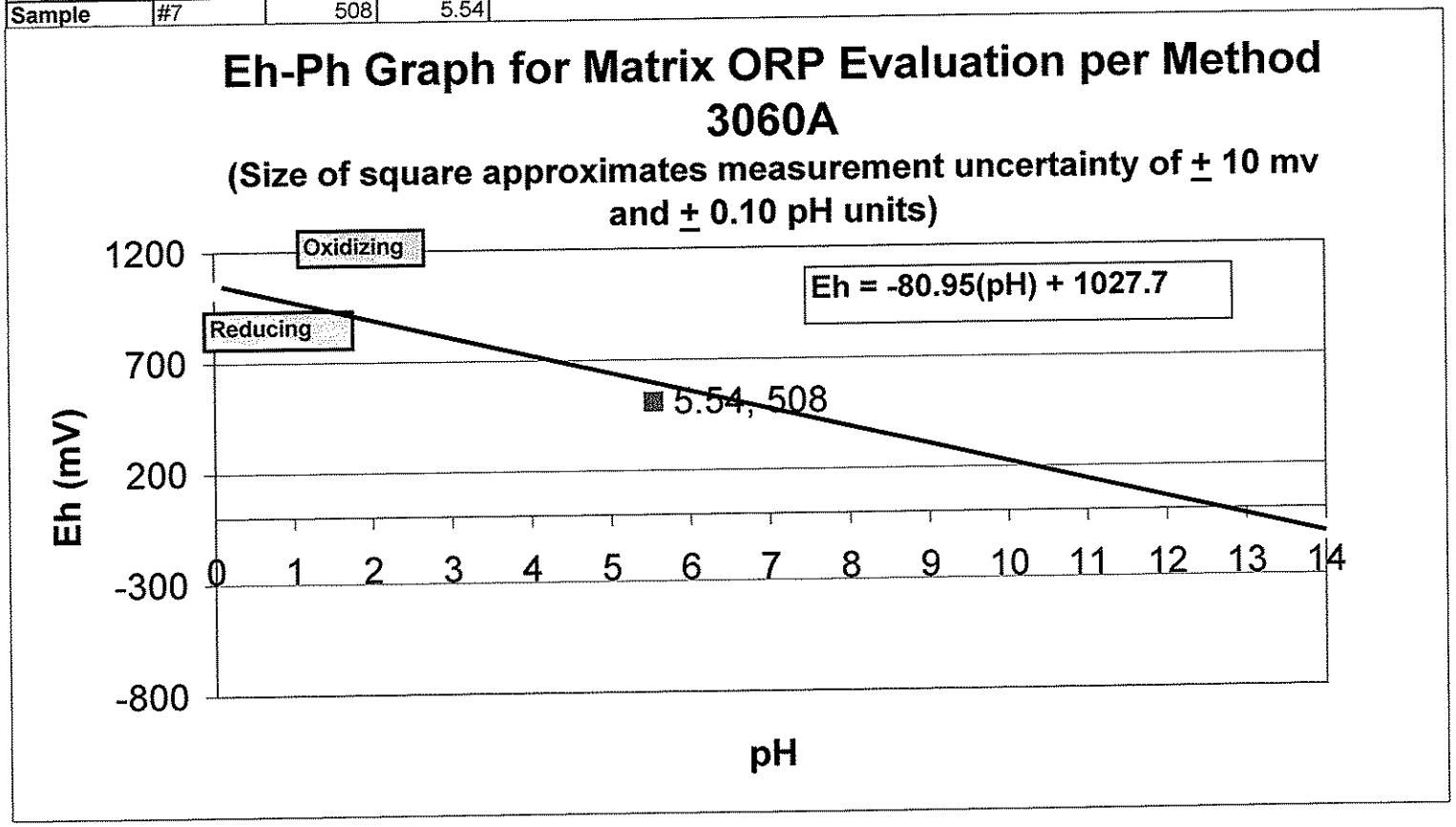
Job	4872	Eh	pH
Sample	#6	504	5.39



Eh values plotted on this diagram are corrected for the reference electrode voltage.
Using a combination Platinum electrode, the Eh readings at 20 deg C are adjusted by adding 204 Mv.

Eh-pH Graph
Method SW-846 Method 3060A
LAB ID

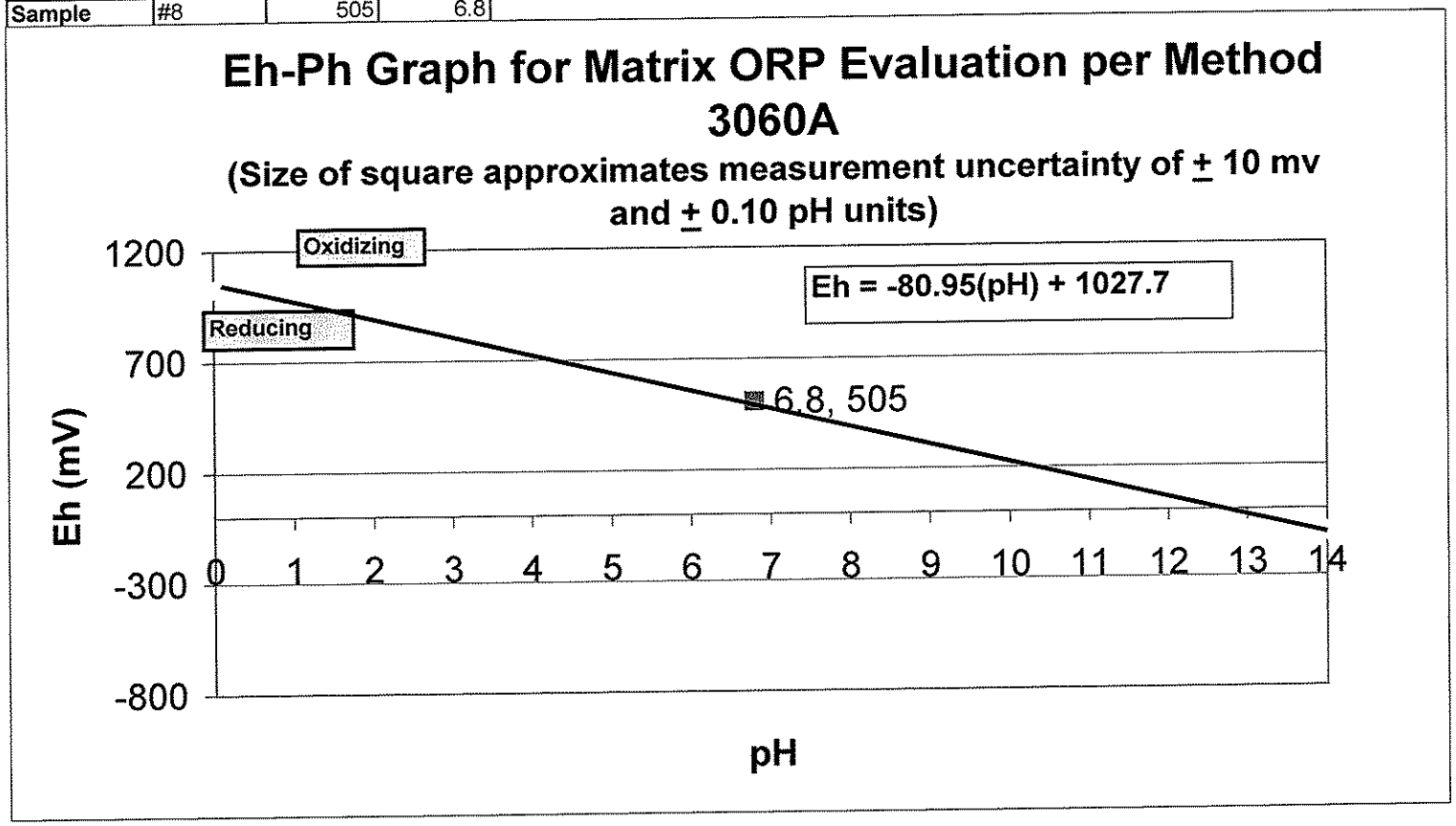
Job	4872	Eh	pH
Sample	#7	508	5.54



Eh values plotted on this diagram are corrected for the reference electrode voltage.
Using a combination Platinum electrode, the Eh readings at 20 deg C are adjusted by adding 204 Mv.

Eh-pH Graph
Method SW-846 Method 3060A
LAB ID

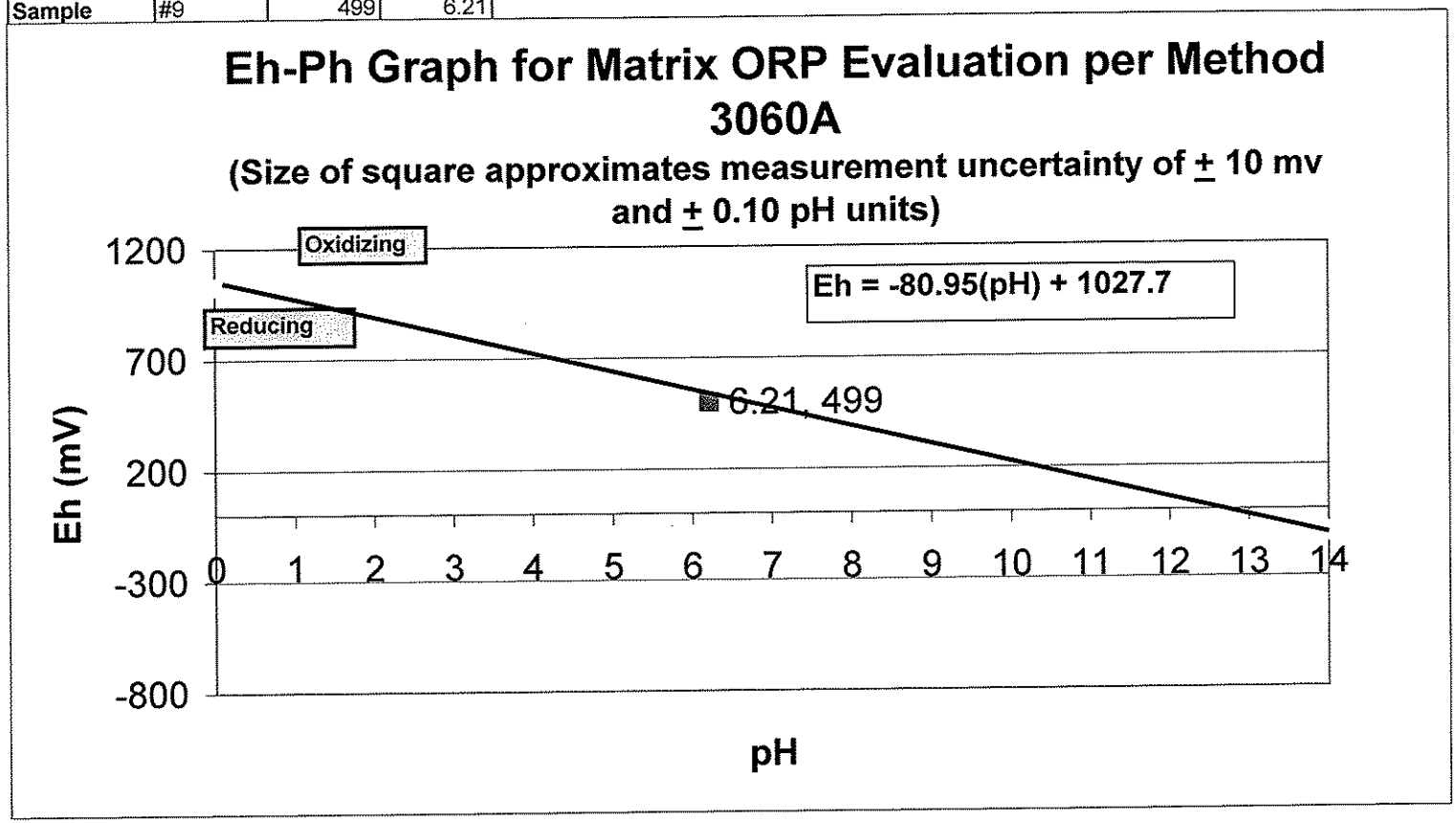
Job	4872	Eh	pH
Sample	#8	505	6.8



Eh values plotted on this diagram are corrected for the reference electrode voltage.
Using a combination Platinum electrode, the Eh readings at 20 deg C are adjusted by adding 204 Mv.

Eh-pH Graph
Method SW-846 Method 3060A
LAB ID

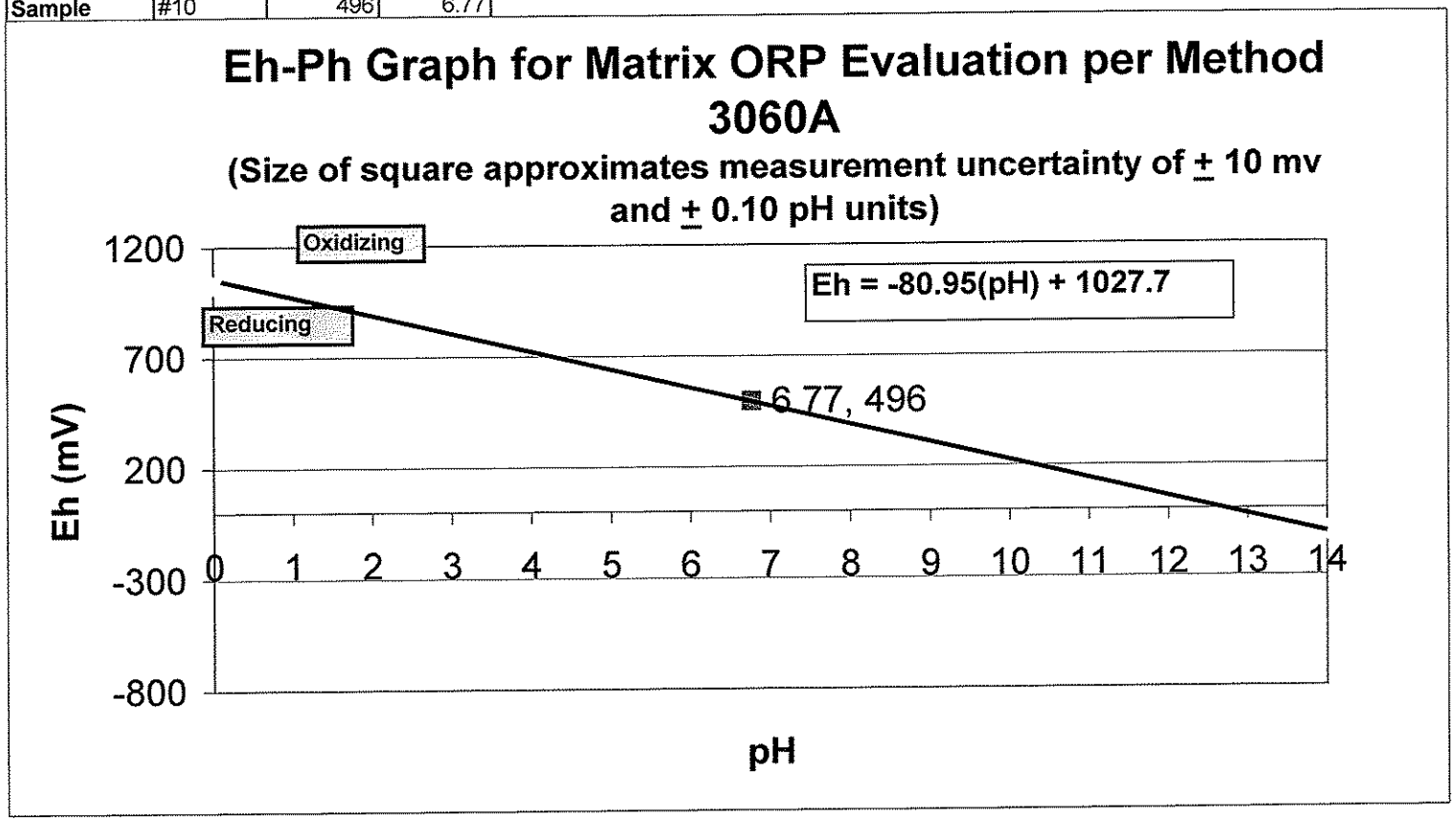
Job	4872	Eh	pH
Sample	#9	499	6.21



Eh values plotted on this diagram are corrected for the reference electrode voltage.
Using a combination Platinum electrode, the Eh readings at 20 deg C are adjusted by adding 204 Mv.

Eh-pH Graph
Method SW-846 Method 3060A
LAB ID

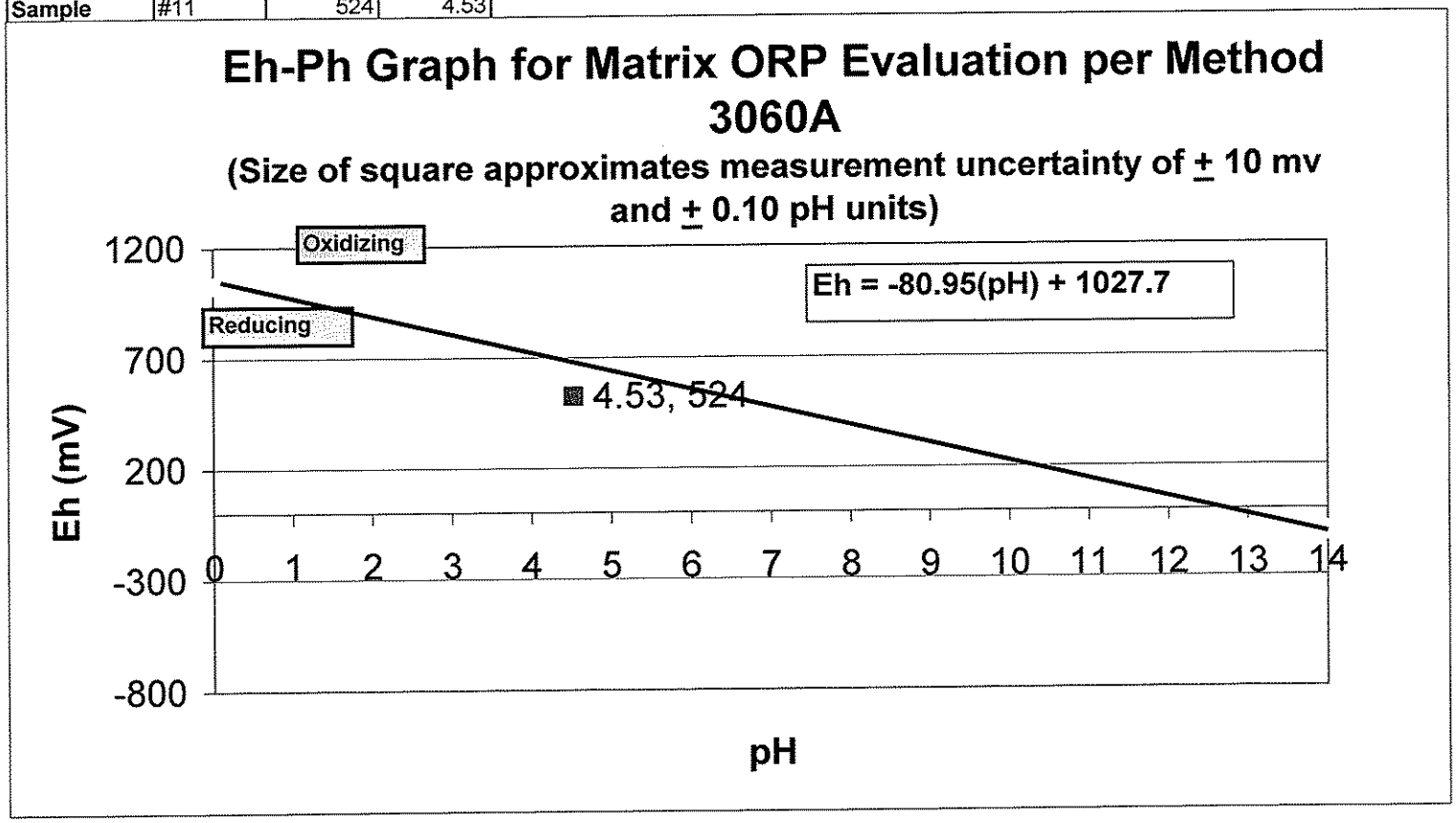
Job	4872	Eh	pH
Sample	#10	496	6.77



Eh values plotted on this diagram are corrected for the reference electrode voltage.
Using a combination Platinum electrode, the Eh readings at 20 deg C are adjusted by adding 204 Mv.

Eh-pH Graph
Method SW-846 Method 3060A
LAB ID

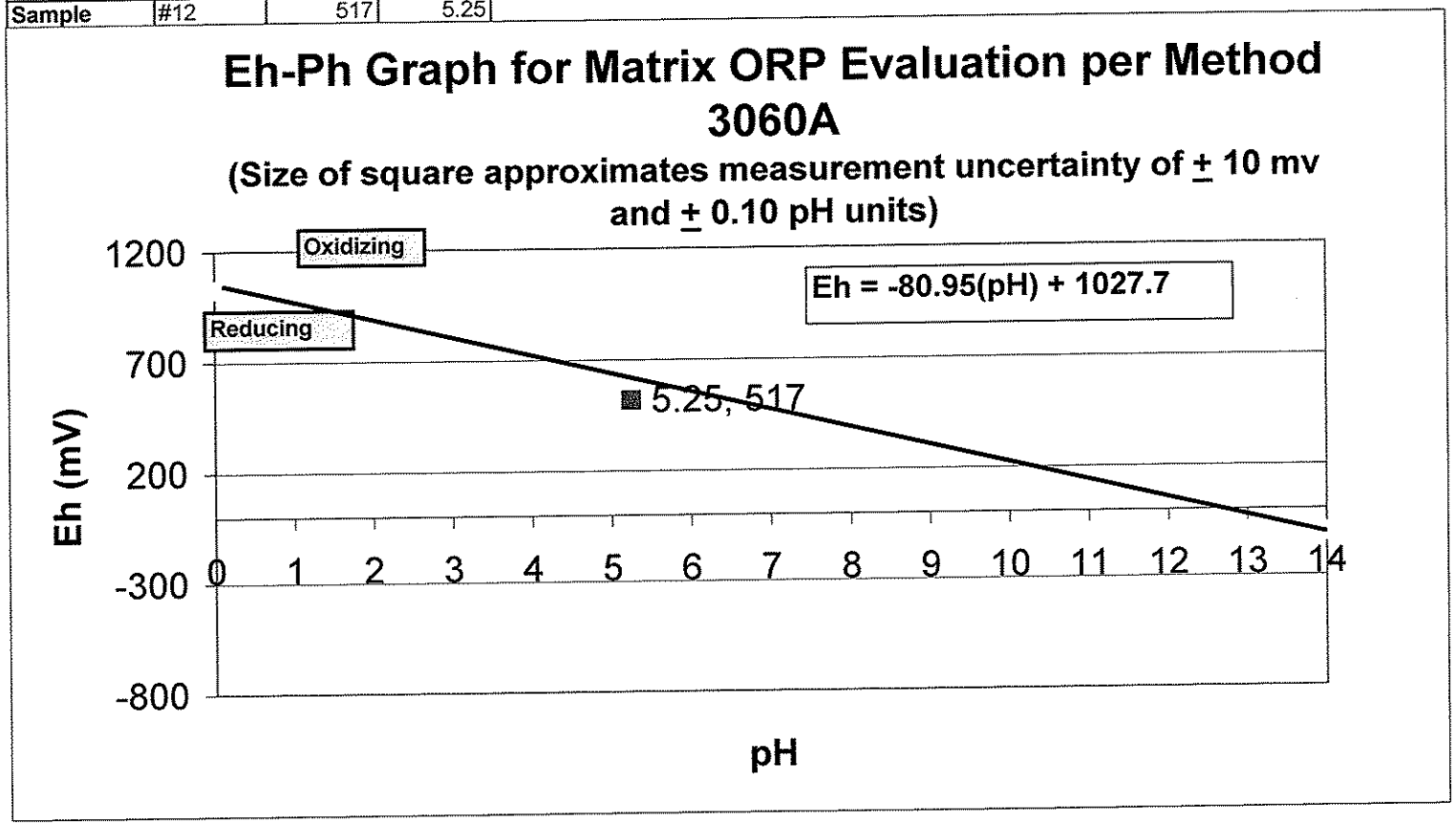
Job	4872	Eh	pH
Sample	#11	524	4.53



Eh values plotted on this diagram are corrected for the reference electrode voltage.
Using a combination Platinum electrode, the Eh readings at 20 deg C are adjusted by adding 204 Mv.

Eh-pH Graph
Method SW-846 Method 3060A
LAB ID

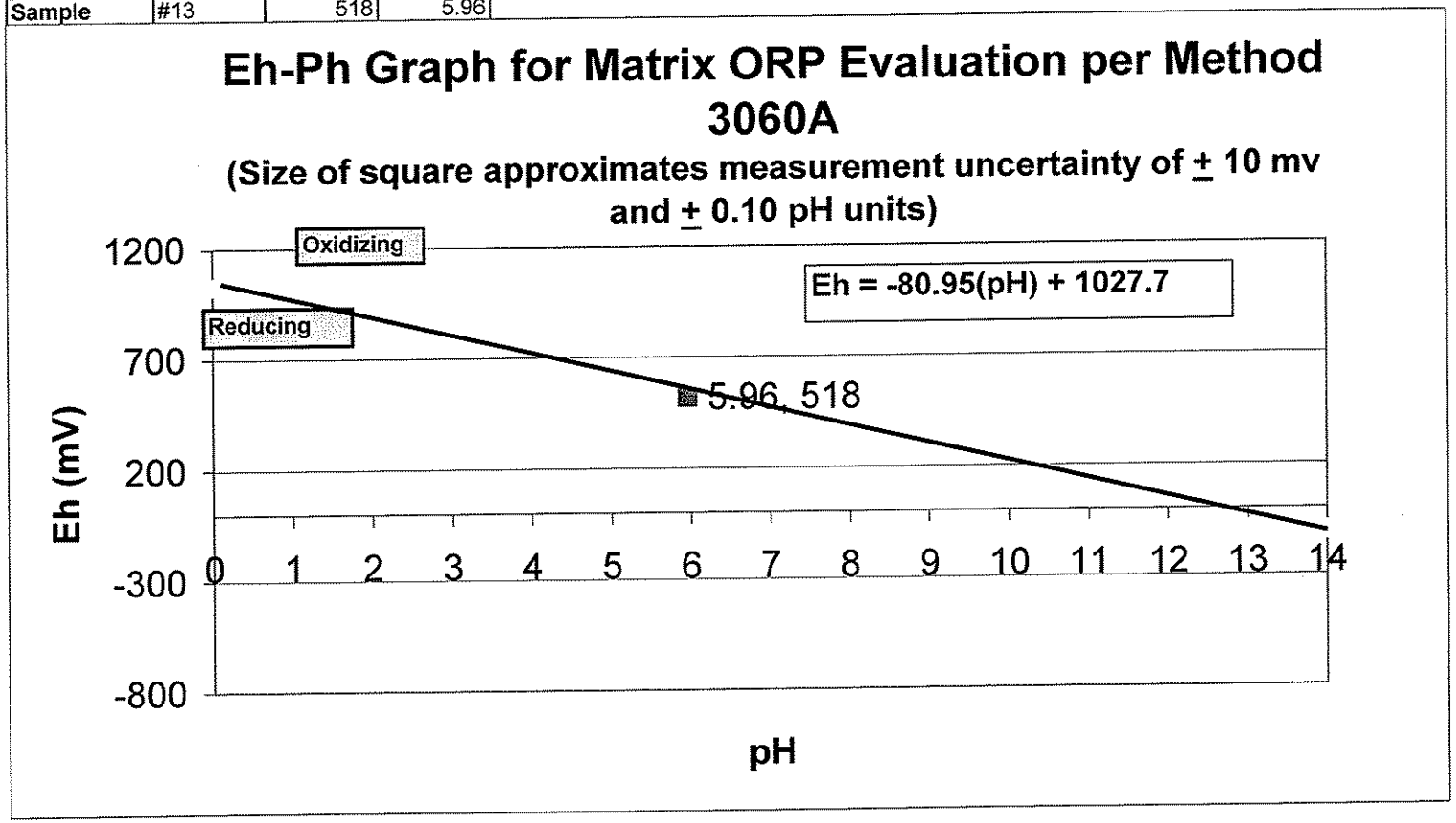
Job	4872	Eh	pH
Sample	#12	517	5.25



Eh values plotted on this diagram are corrected for the reference electrode voltage.
Using a combination Platinum electrode, the Eh readings at 20 deg C are adjusted by adding 204 Mv.

Eh-pH Graph
Method SW-846 Method 3060A
LAB ID

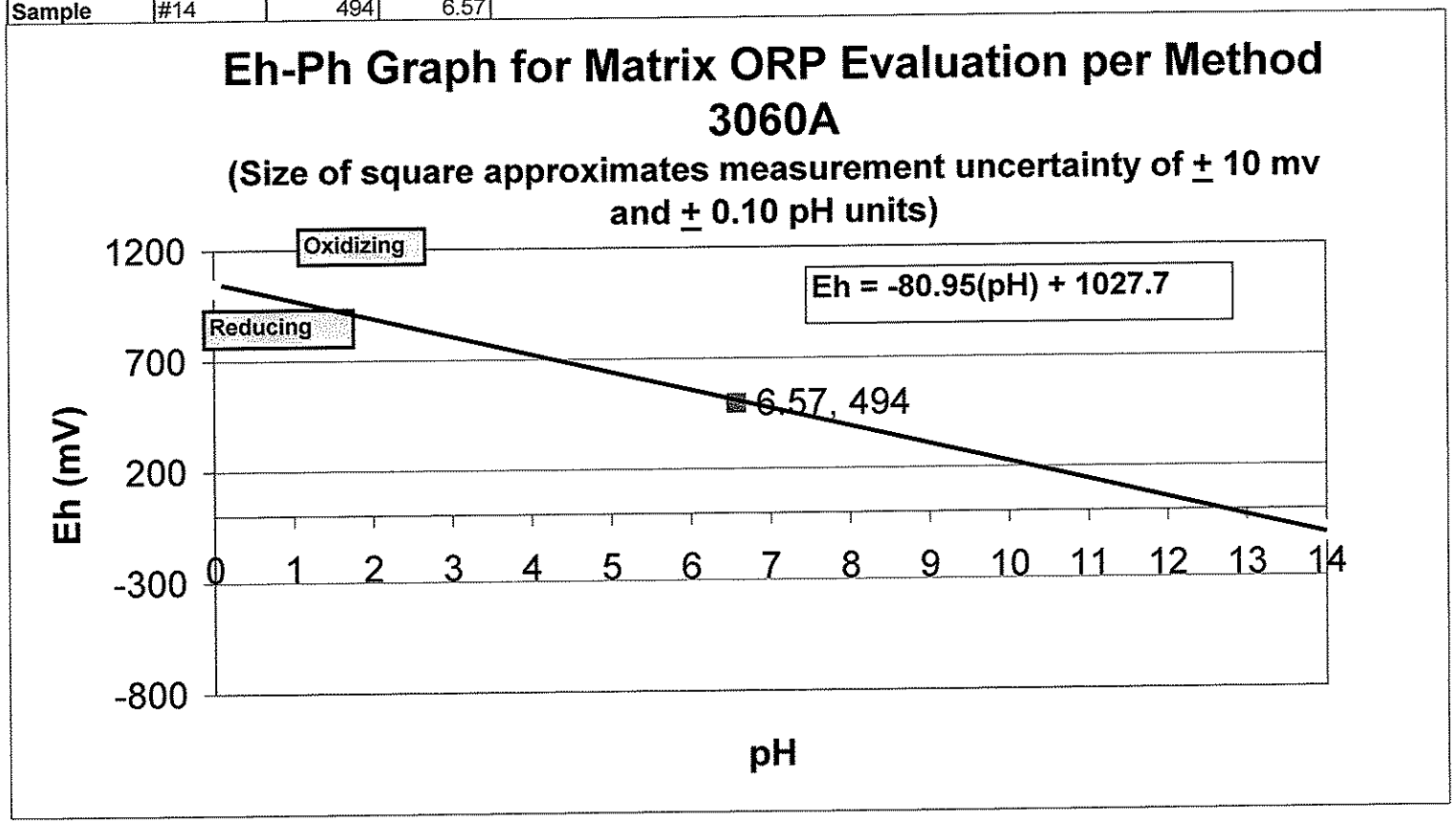
Job	4872	Eh	pH
Sample	#13	518	5.96



Eh values plotted on this diagram are corrected for the reference electrode voltage.
Using a combination Platinum electrode, the Eh readings at 20 deg C are adjusted by adding 204 Mv.

Eh-pH Graph
Method SW-846 Method 3060A
LAB ID

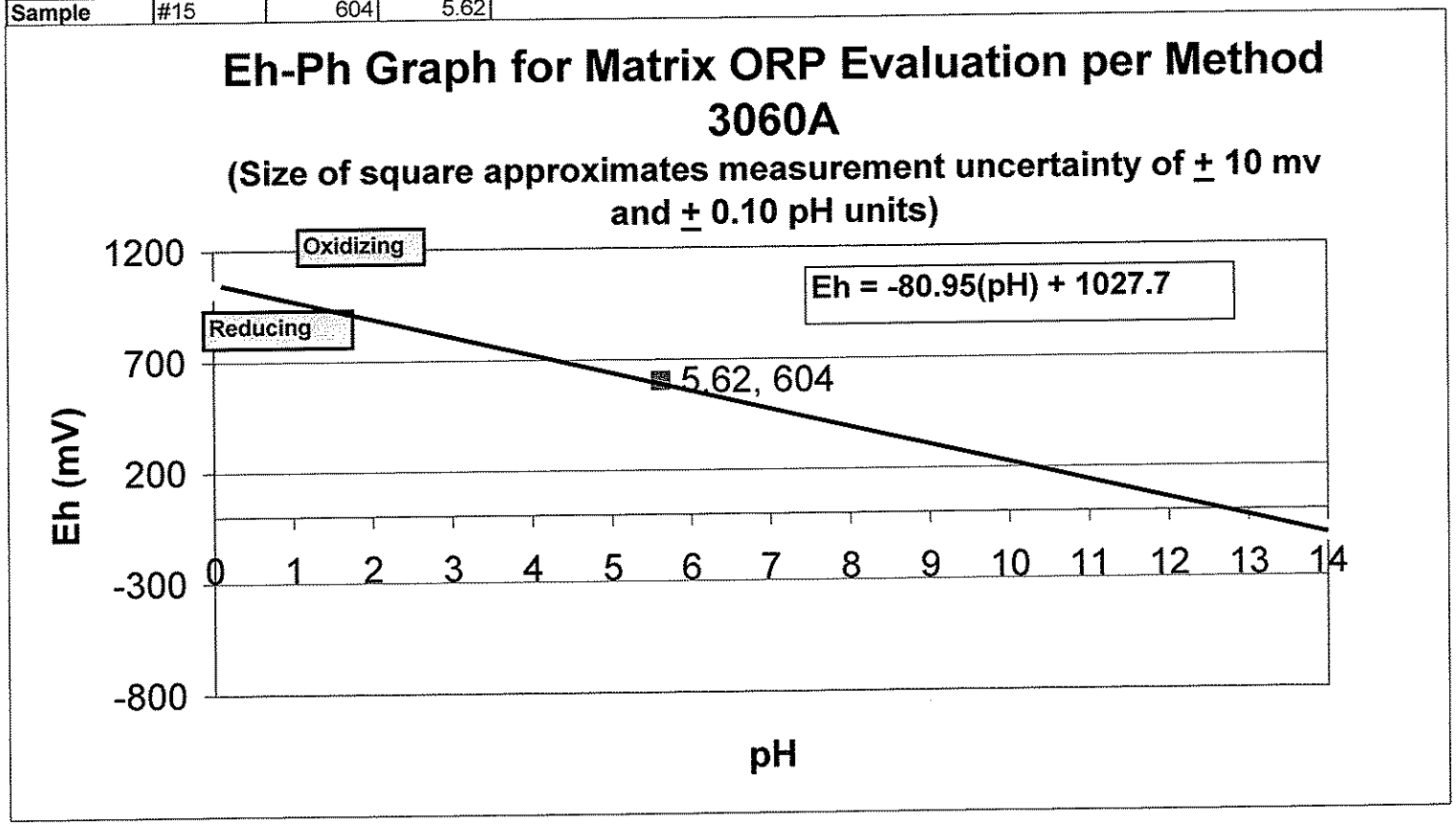
Job	4872	Eh	pH
Sample	#14	494	6.57



Eh values plotted on this diagram are corrected for the reference electrode voltage.
Using a combination Platinum electrode, the Eh readings at 20 deg C are adjusted by adding 204 Mv.

Eh-pH Graph
Method SW-846 Method 3060A
LAB ID

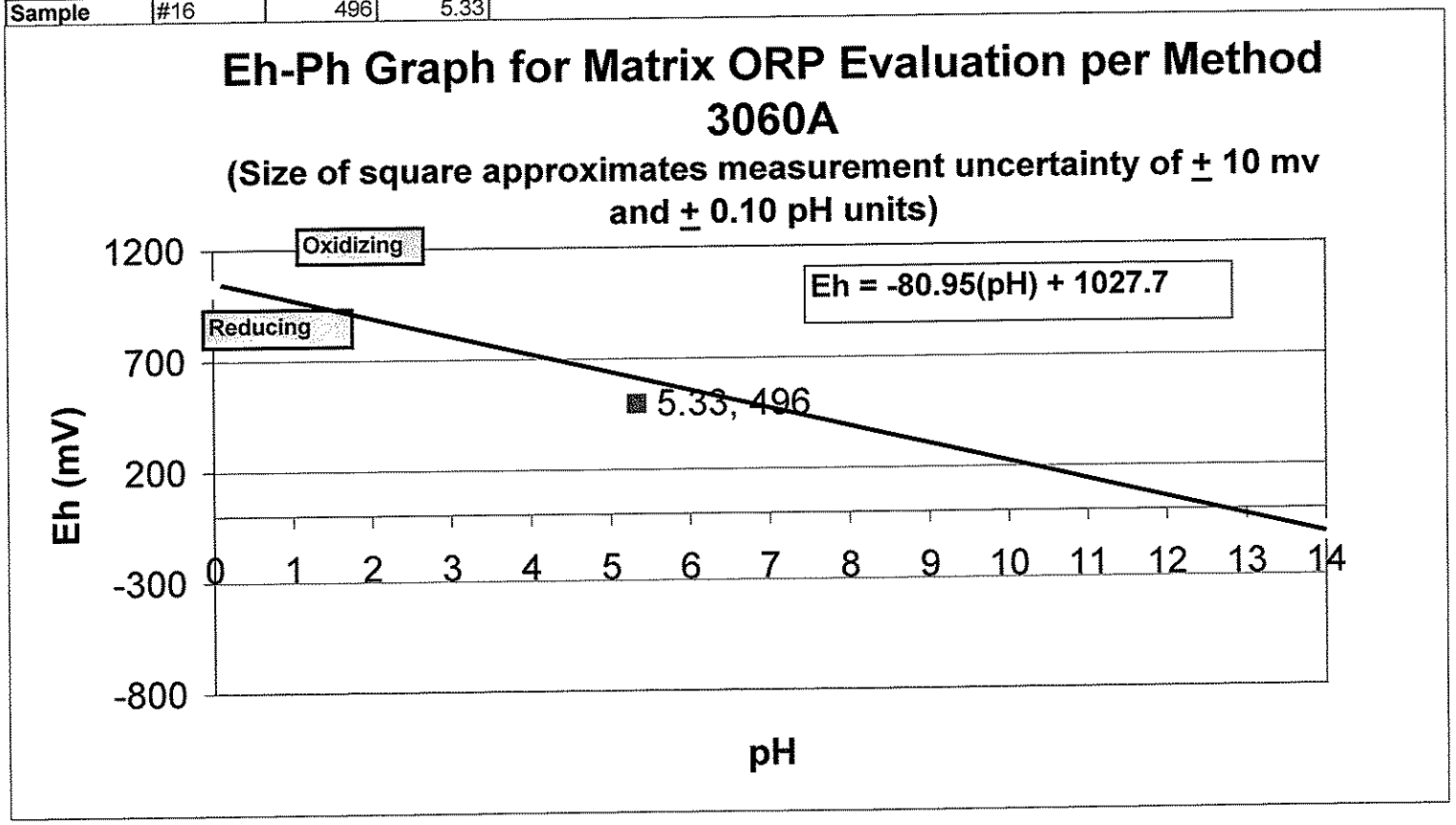
Job	4872	Eh	pH
Sample	#15	604	5.62



Eh values plotted on this diagram are corrected for the reference electrode voltage.
Using a combination Platinum electrode, the Eh readings at 20 deg C are adjusted by adding 204 Mv.

Eh-pH Graph
Method SW-846 Method 3060A
LAB ID

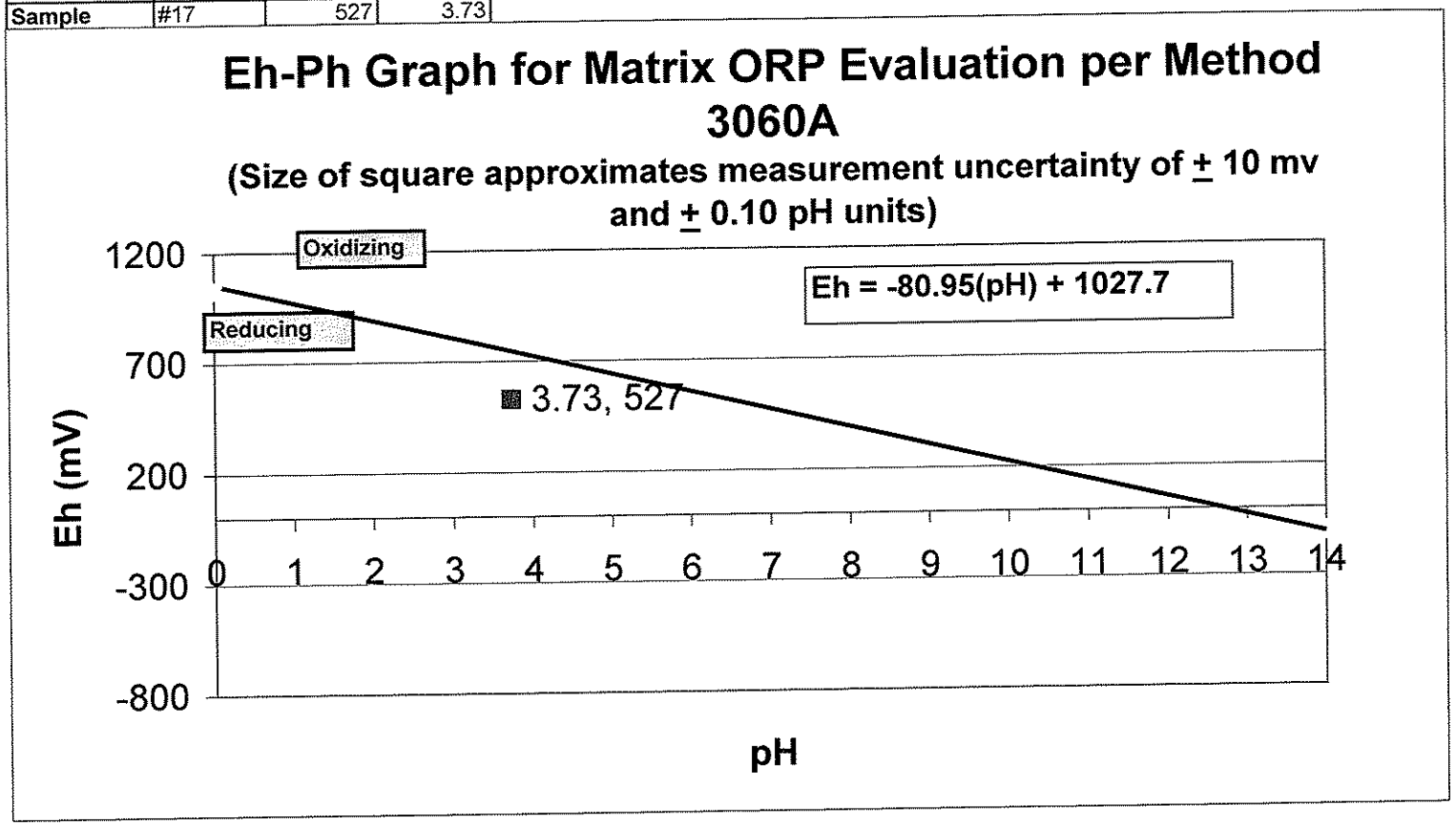
Job	4872	Eh	pH
Sample	#16	496	5.33



Eh values plotted on this diagram are corrected for the reference electrode voltage.
Using a combination Platinum electrode, the Eh readings at 20 deg C are adjusted by adding 204 Mv.

Eh-pH Graph
Method SW-846 Method 3060A
LAB ID

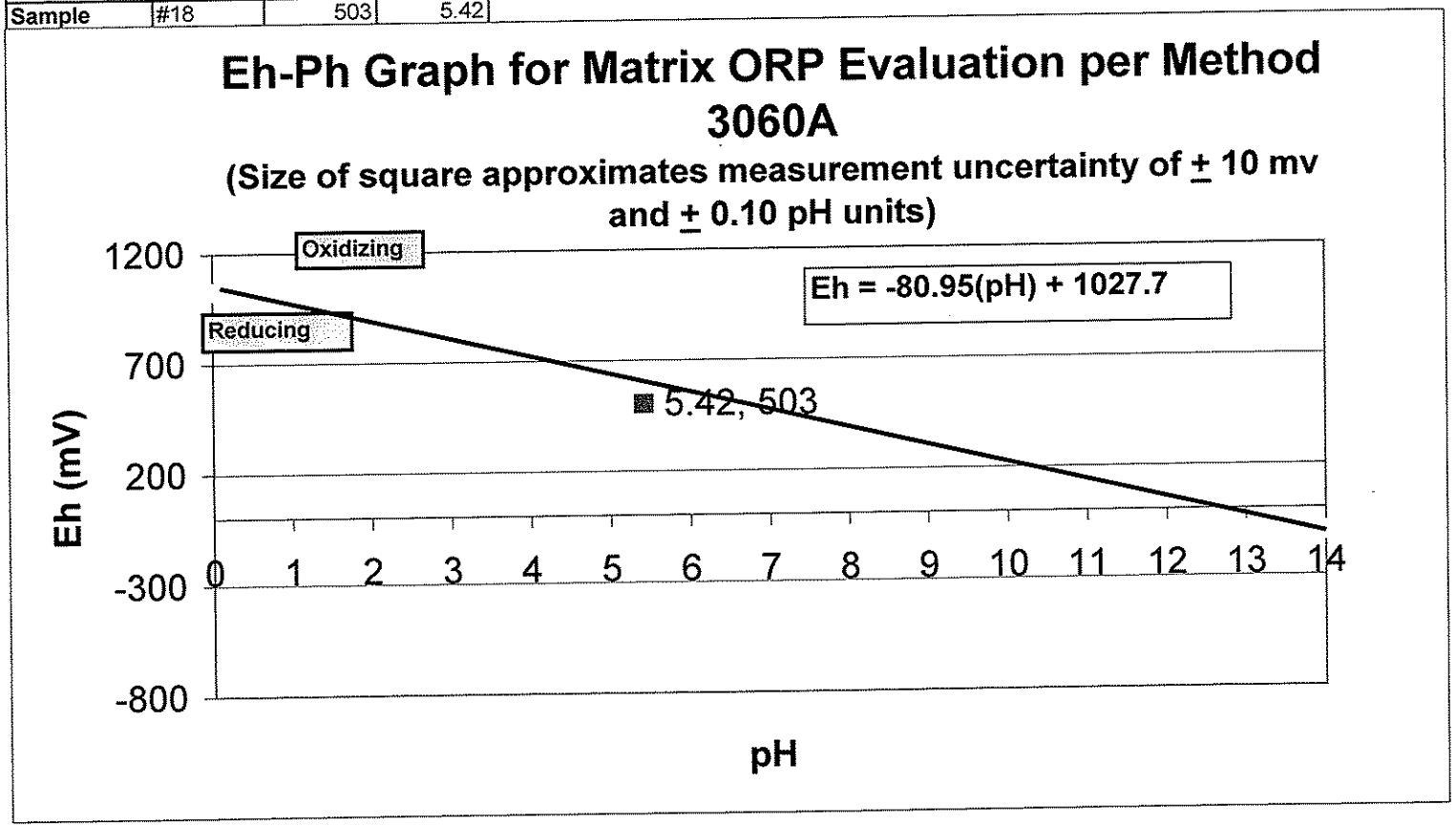
Job	4872	Eh	pH
Sample	#17	527	3.73



Eh values plotted on this diagram are corrected for the reference electrode voltage.
Using a combination Platinum electrode, the Eh readings at 20 deg C are adjusted by adding 204 Mv.

Eh-pH Graph
Method SW-846 Method 3060A
LAB ID

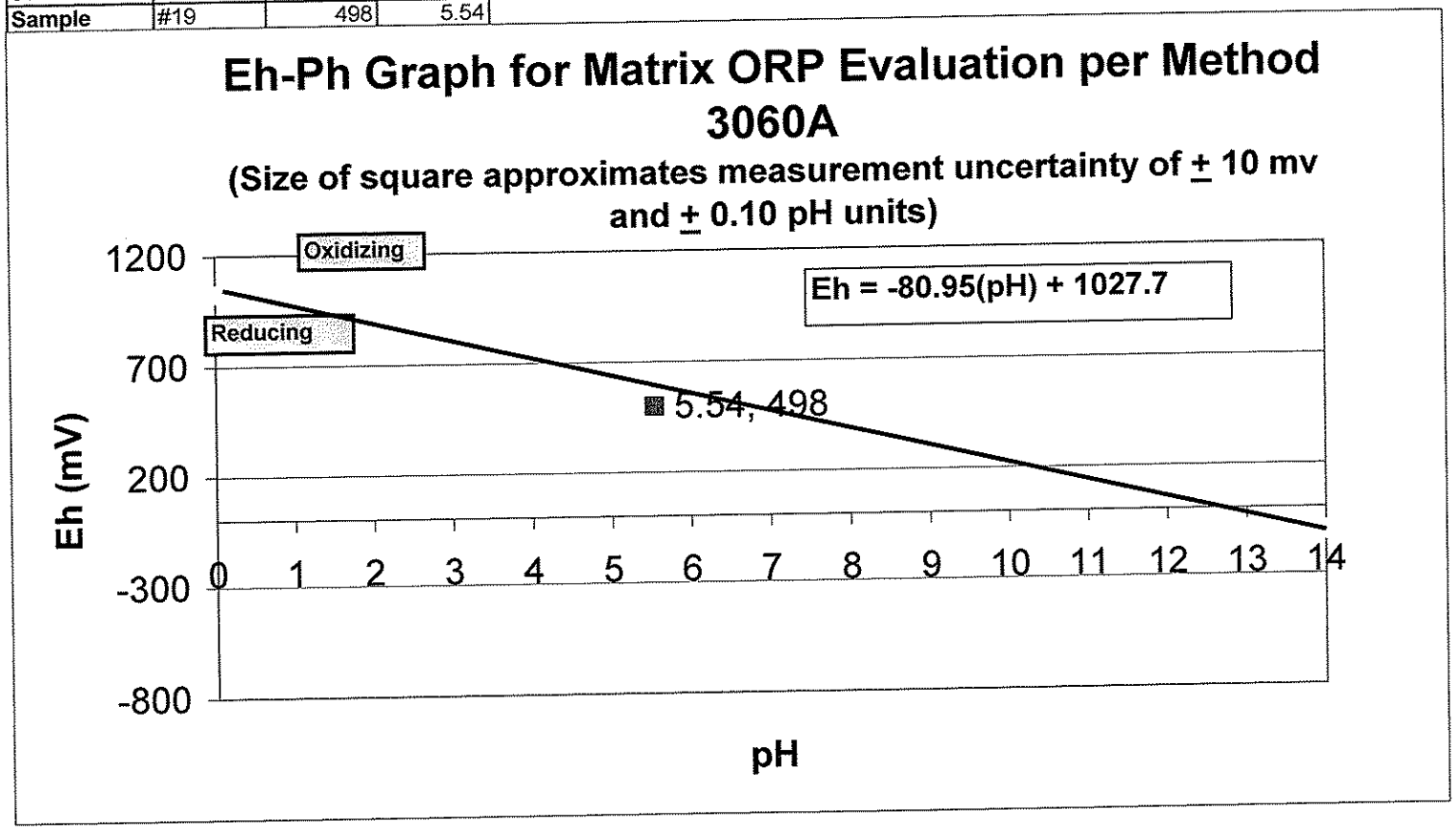
Job	4872	Eh	pH
Sample	#18	503	5.42



Eh values plotted on this diagram are corrected for the reference electrode voltage.
Using a combination Platinum electrode, the Eh readings at 20 deg C are adjusted by adding 204 Mv.

Eh-pH Graph
Method SW-846 Method 3060A
LAB ID

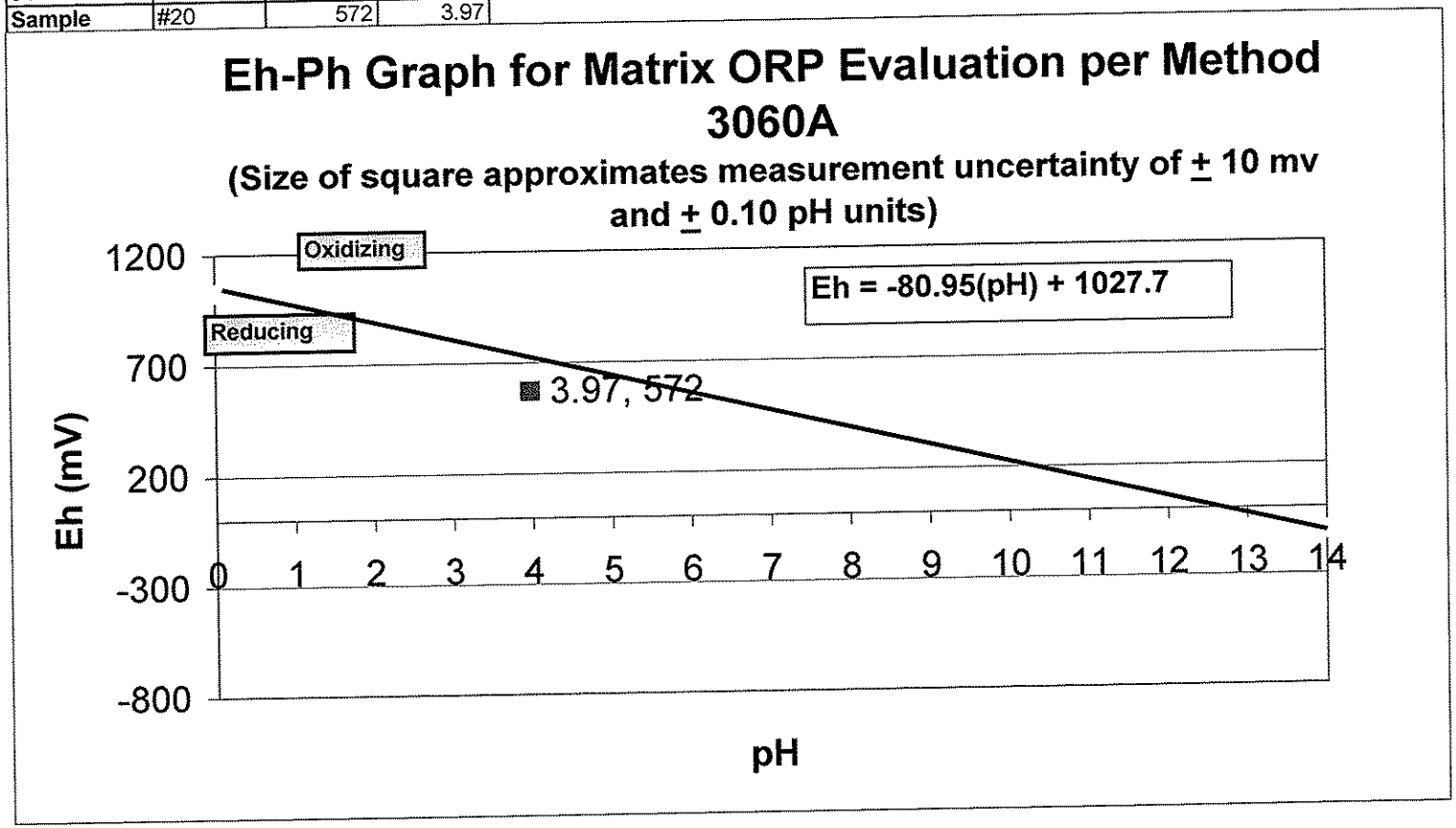
Job	4872	Eh	pH
Sample	#19	498	5.54



Eh values plotted on this diagram are corrected for the reference electrode voltage.
Using a combination Platinum electrode, the Eh readings at 20 deg C are adjusted by adding 204 Mv.

Eh-pH Graph
Method SW-846 Method 3060A
LAB ID

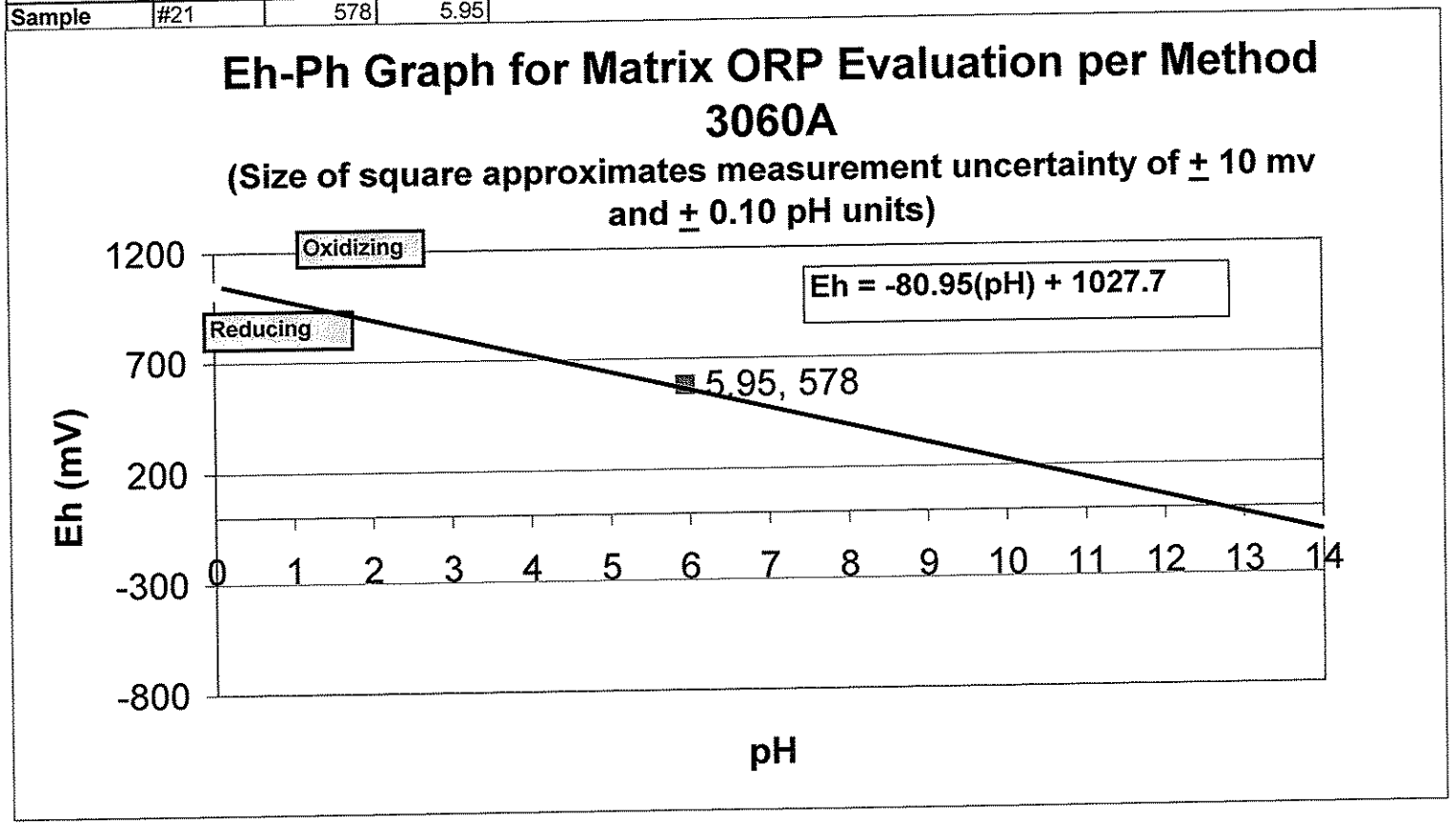
Job	4872	Eh	pH
Sample	#20	572	3.97



Eh values plotted on this diagram are corrected for the reference electrode voltage.
Using a combination Platinum electrode, the Eh readings at 20 deg C are adjusted by adding 204 Mv.

Eh-pH Graph
Method SW-846 Method 3060A
LAB ID

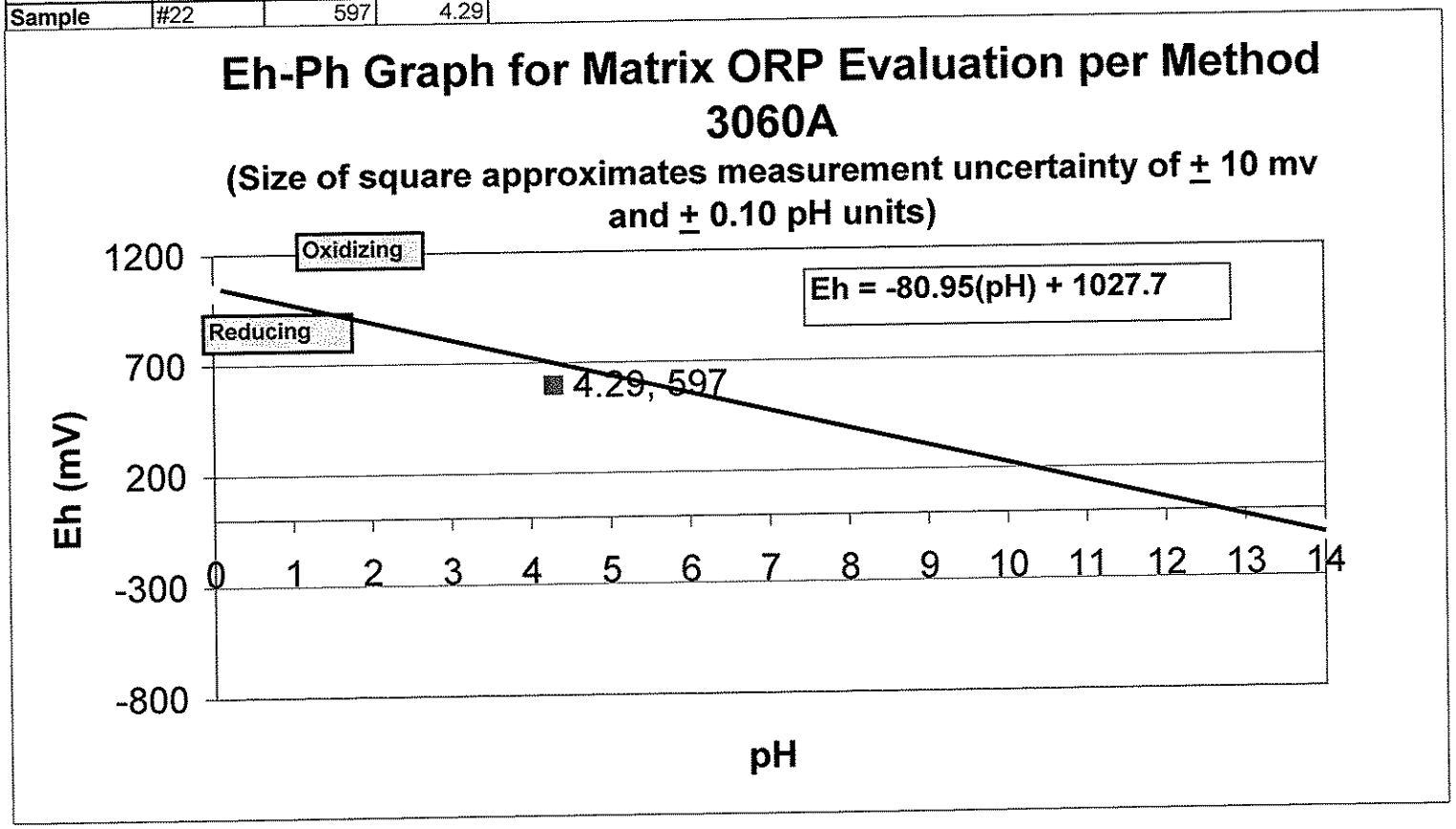
Job	4872	Eh	pH
Sample	#21	578	5.95



Eh values plotted on this diagram are corrected for the reference electrode voltage.
Using a combination Platinum electrode, the Eh readings at 20 deg C are adjusted by adding 204 Mv.

Eh-pH Graph
Method SW-846 Method 3060A
LAB ID

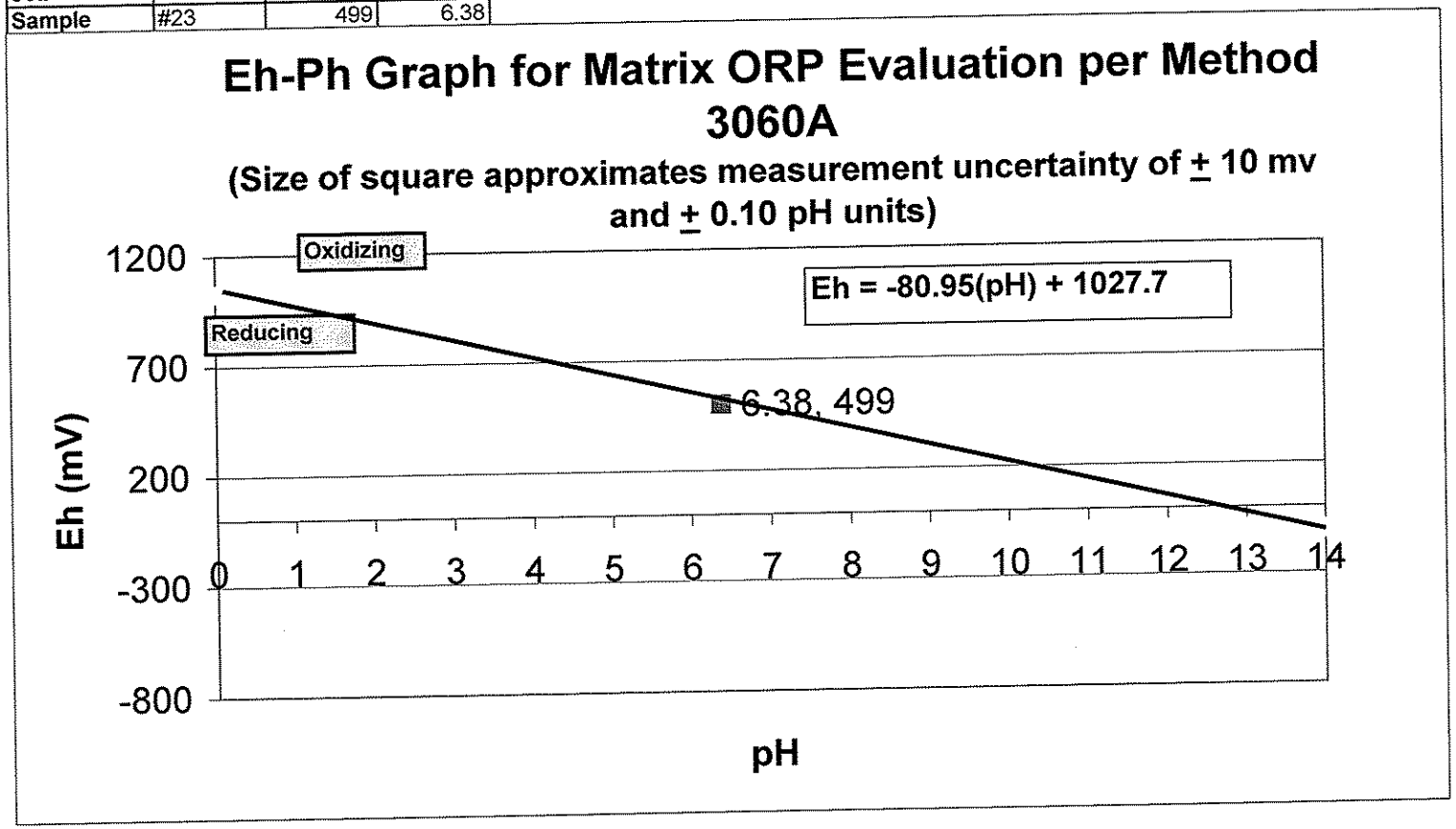
Job	4872	Eh	pH
Sample	#22	597	4.29



Eh values plotted on this diagram are corrected for the reference electrode voltage.
Using a combination Platinum electrode, the Eh readings at 20 deg C are adjusted by adding 204 Mv.

Eh-pH Graph
Method SW-846 Method 3060A
LAB ID

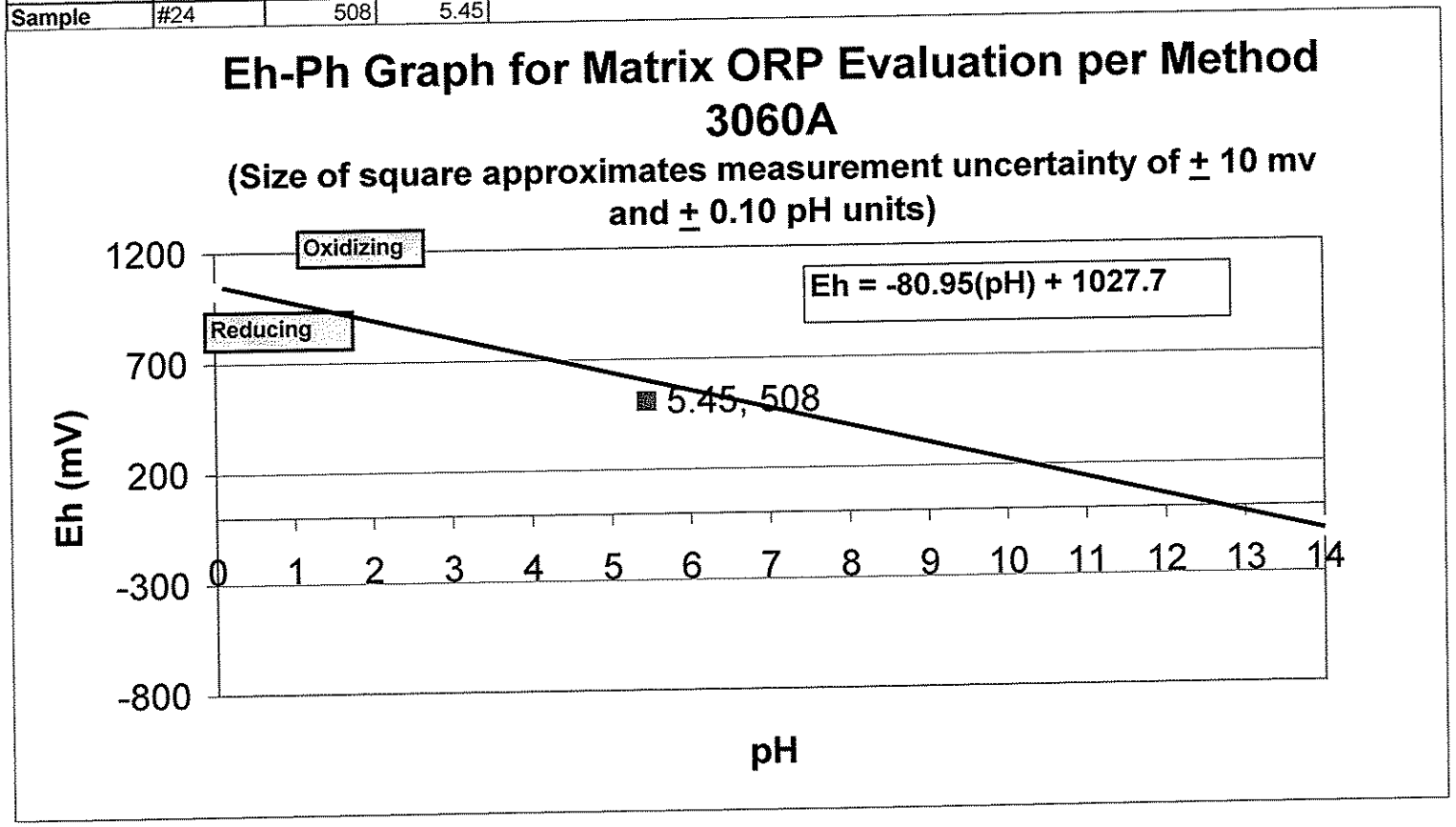
Job	4872	Eh	pH
Sample	#23	499	6.38



Eh values plotted on this diagram are corrected for the reference electrode voltage.
Using a combination Platinum electrode, the Eh readings at 20 deg C are adjusted by adding 204 Mv.

Eh-pH Graph
Method SW-846 Method 3060A
LAB ID

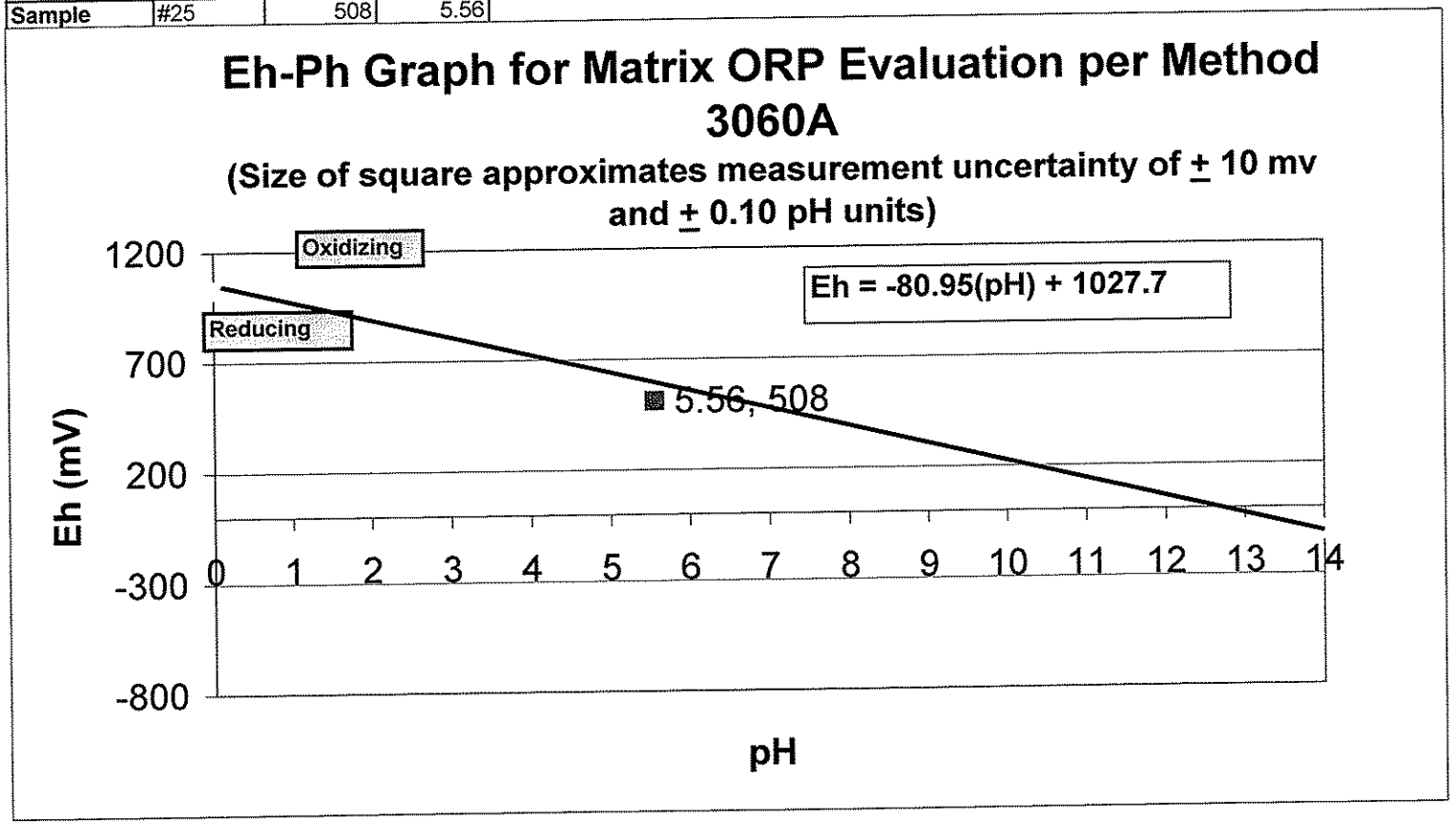
Job	4872	Eh	pH
Sample	#24	508	5.45



Eh values plotted on this diagram are corrected for the reference electrode voltage.
Using a combination Platinum electrode, the Eh readings at 20 deg C are adjusted by adding 204 Mv.

Eh-pH Graph
Method SW-846 Method 3060A
LAB ID

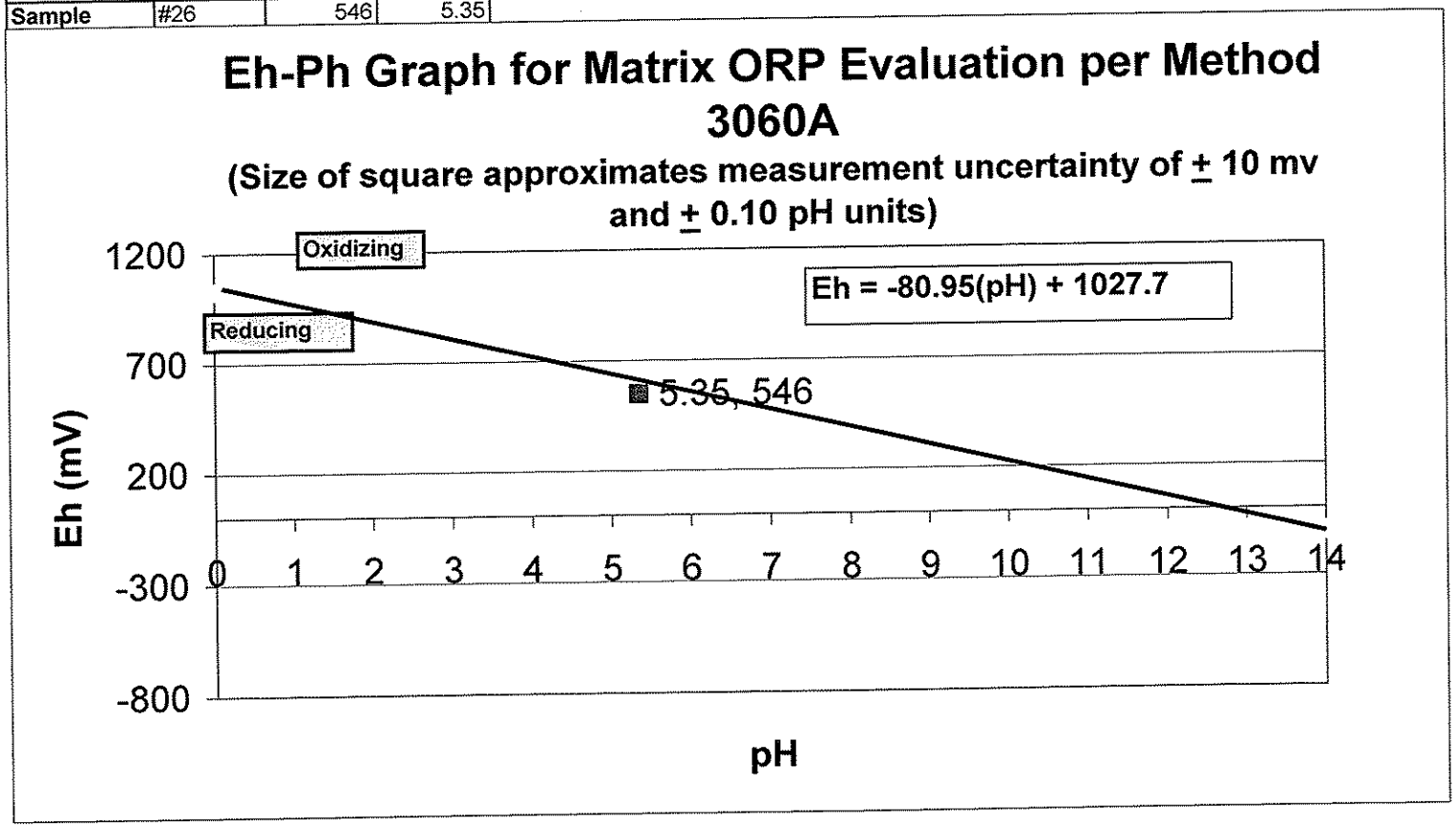
Job	4872	Eh	pH
Sample	#25	508	5.56



Eh values plotted on this diagram are corrected for the reference electrode voltage.
Using a combination Platinum electrode, the Eh readings at 20 deg C are adjusted by adding 204 Mv.

Eh-pH Graph
Method SW-846 Method 3060A
LAB ID

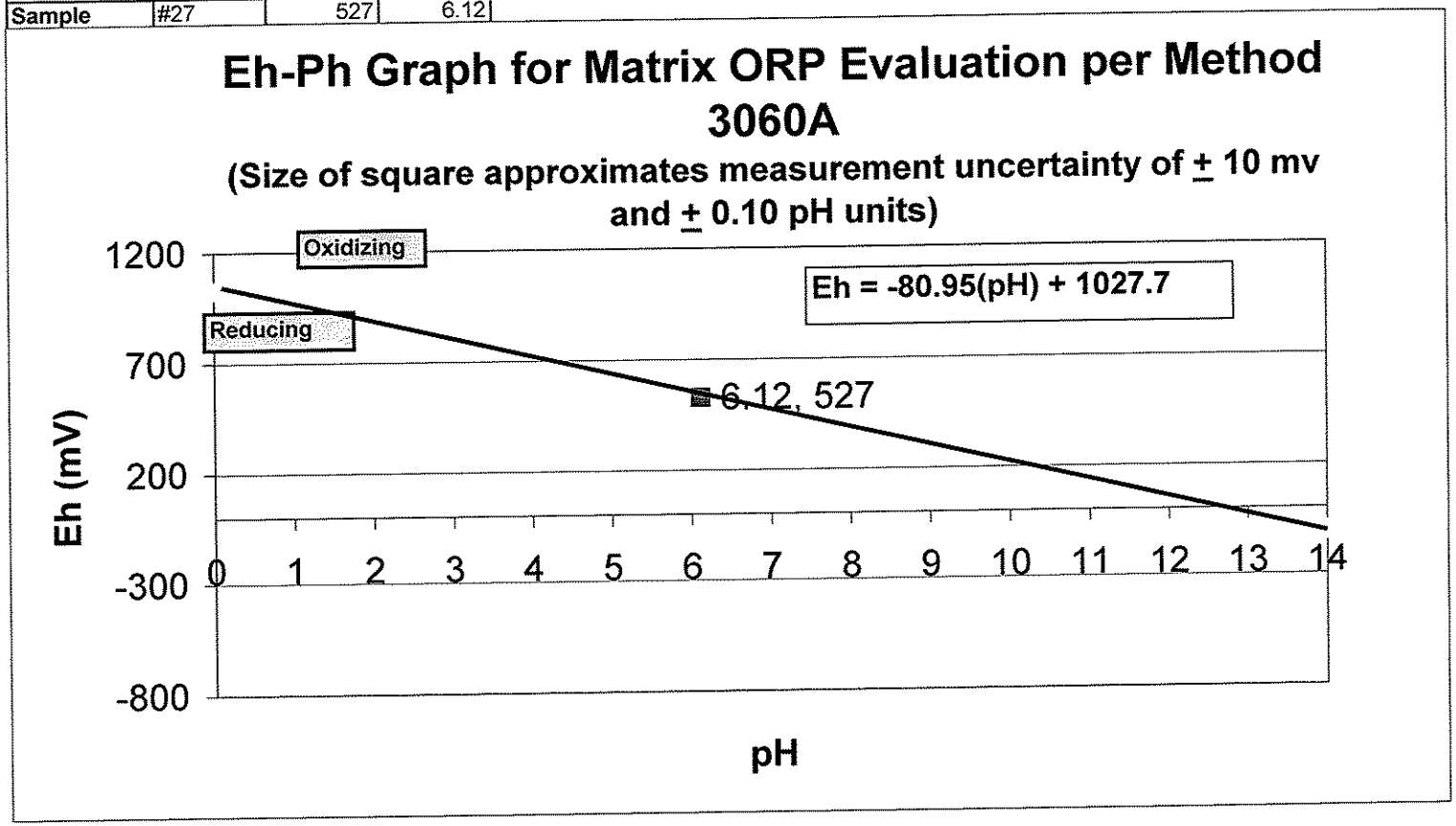
Job	4872	Eh	pH
Sample	#26	546	5.35



Eh values plotted on this diagram are corrected for the reference electrode voltage.
Using a combination Platinum electrode, the Eh readings at 20 deg C are adjusted by adding 204 Mv.

Eh-pH Graph
Method SW-846 Method 3060A
LAB ID

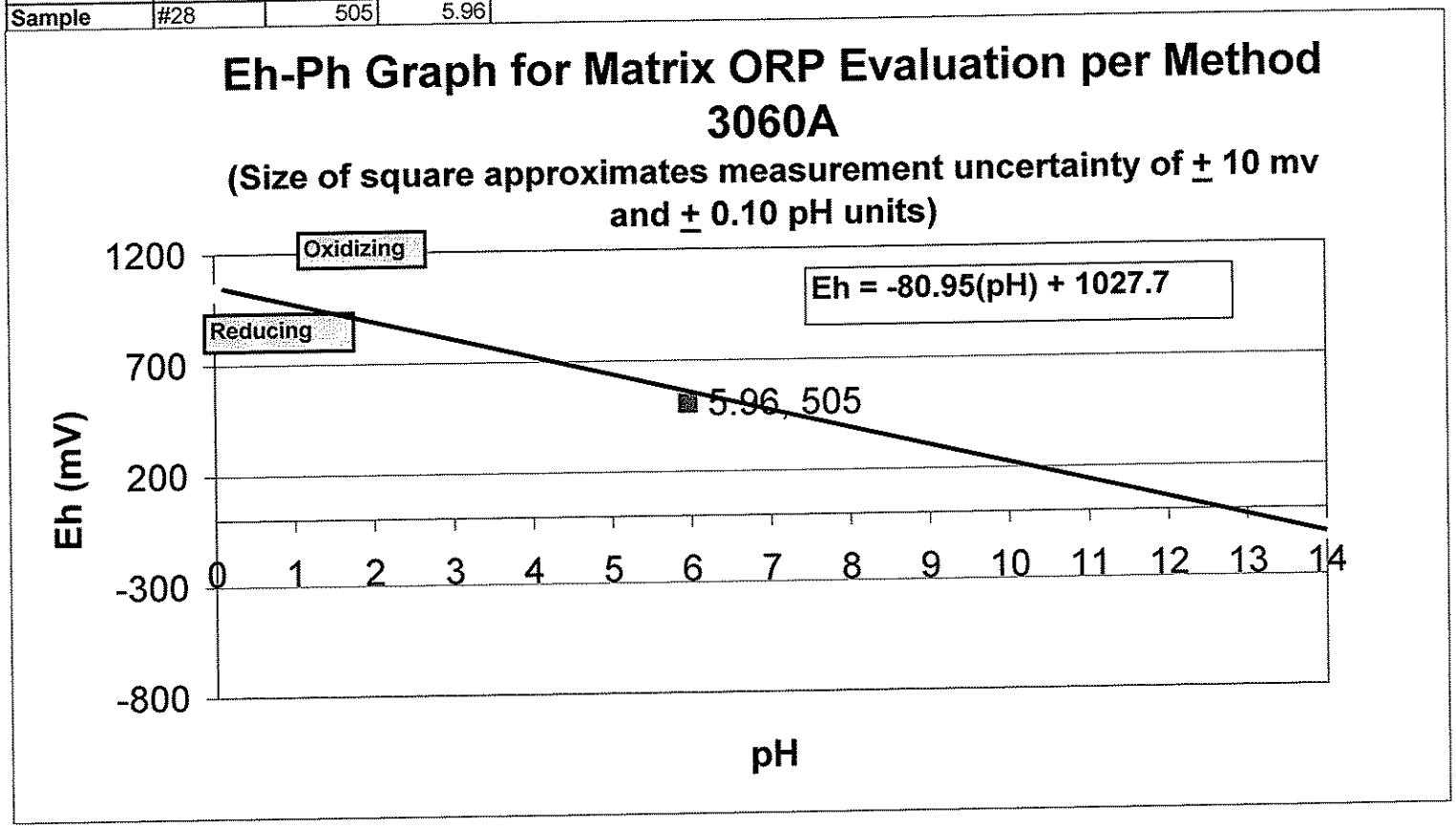
Job	4872	Eh	pH
Sample	#27	527	6.12



Eh values plotted on this diagram are corrected for the reference electrode voltage.
Using a combination Platinum electrode, the Eh readings at 20 deg C are adjusted by adding 204 Mv.

Eh-pH Graph
Method SW-846 Method 3060A
LAB ID

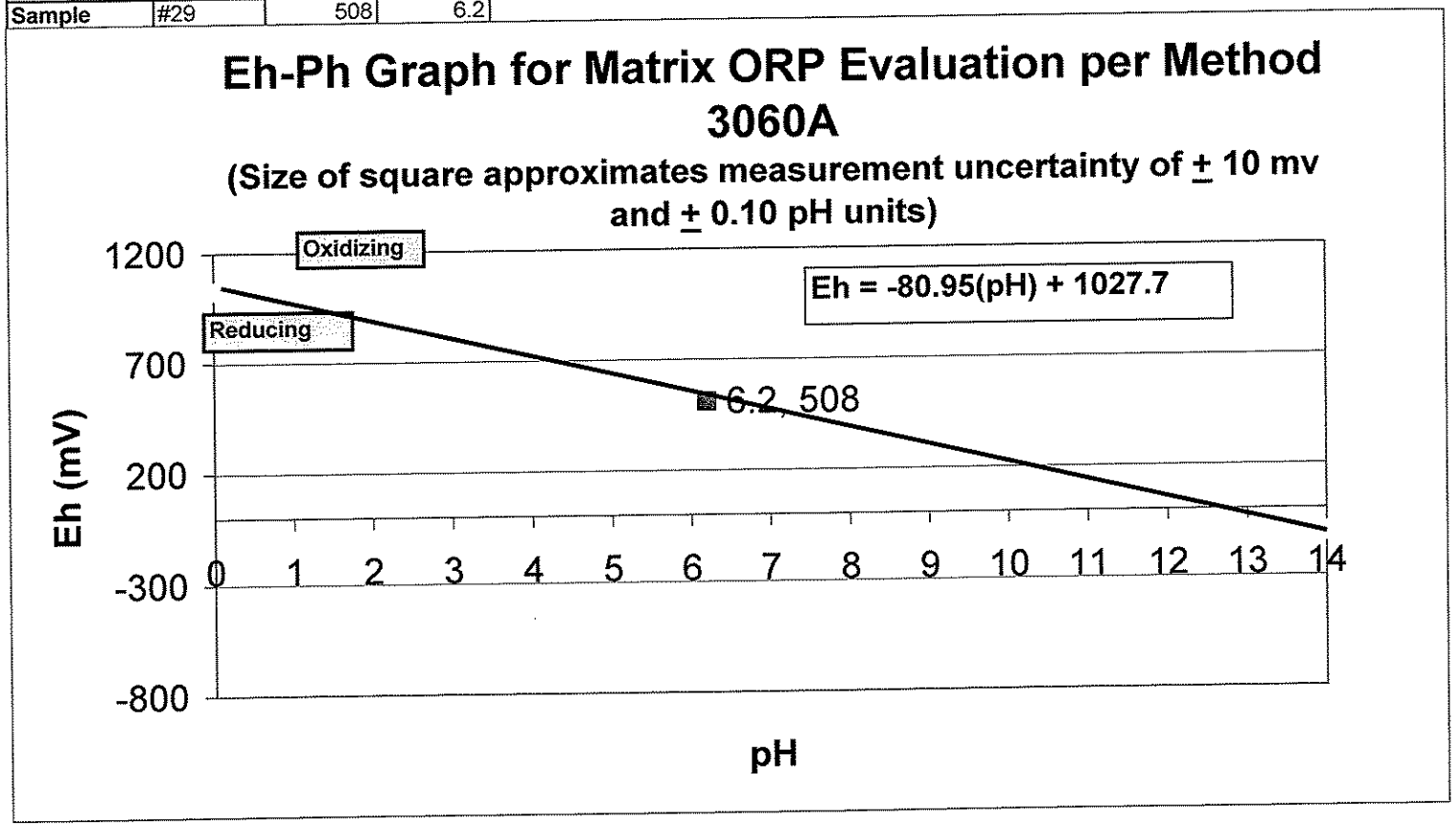
Job	4872	Eh	pH
Sample	#28	505	5.96



Eh values plotted on this diagram are corrected for the reference electrode voltage.
Using a combination Platinum electrode, the Eh readings at 20 deg C are adjusted by adding 204 Mv.

Eh-pH Graph
Method SW-846 Method 3060A
LAB ID

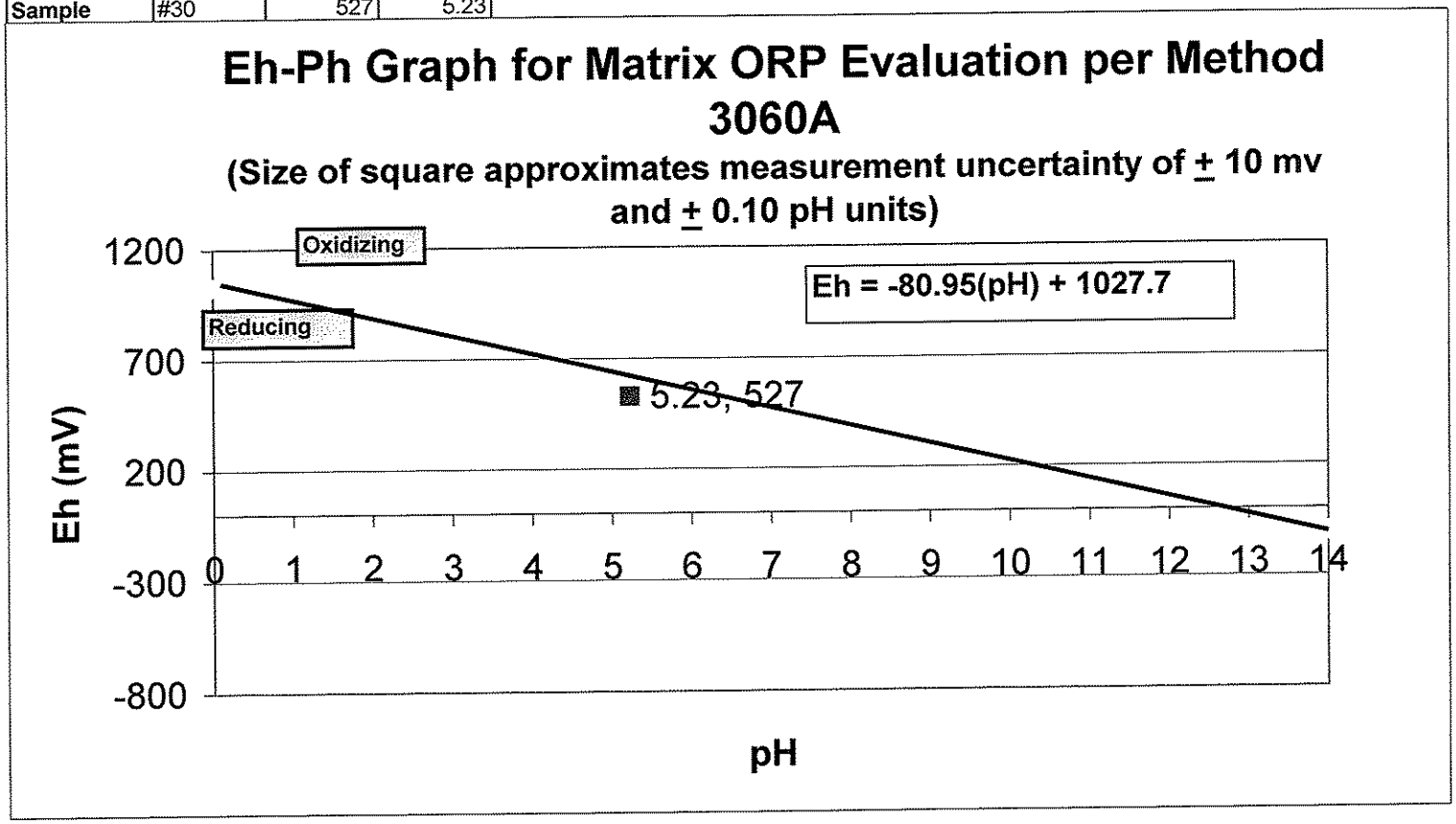
Job	4872	Eh	pH
Sample	#29	508	6.2



Eh values plotted on this diagram are corrected for the reference electrode voltage.
Using a combination Platinum electrode, the Eh readings at 20 deg C are adjusted by adding 204 Mv.

Eh-pH Graph
Method SW-846 Method 3060A
LAB ID

Job	4872	Eh	pH
Sample	#30	527	5.23



Eh values plotted on this diagram are corrected for the reference electrode voltage.
Using a combination Platinum electrode, the Eh readings at 20 deg C are adjusted by adding 204 Mv.

Report date: 8/27/2009 11:48:14 AM
Printed by: TestAmerica - Edison

Ident: 0 ppb
Analysis from: 8/20/2009 3:32:58 PM
File: t8201532.chw Last save: 8/27/2009 11:46:17 AM

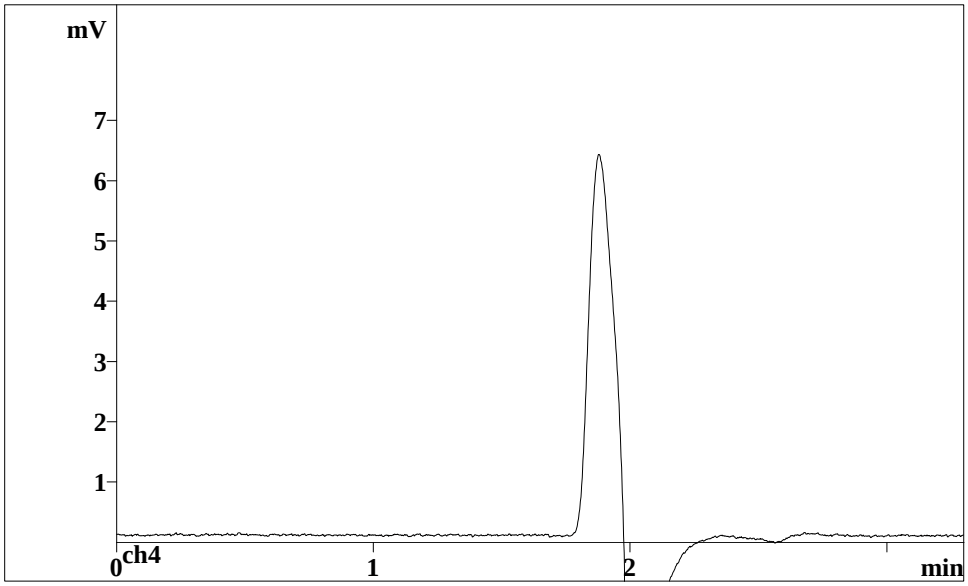
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17641

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: 7.3 MPa



No peaks

Report date: 8/27/2009 11:48:31 AM
Printed by: TestAmerica - Edison

Ident: 5 ppb
Analysis from: 8/20/2009 3:47:13 PM
File: t8201547.chw Last save: 8/27/2009 11:46:17 AM

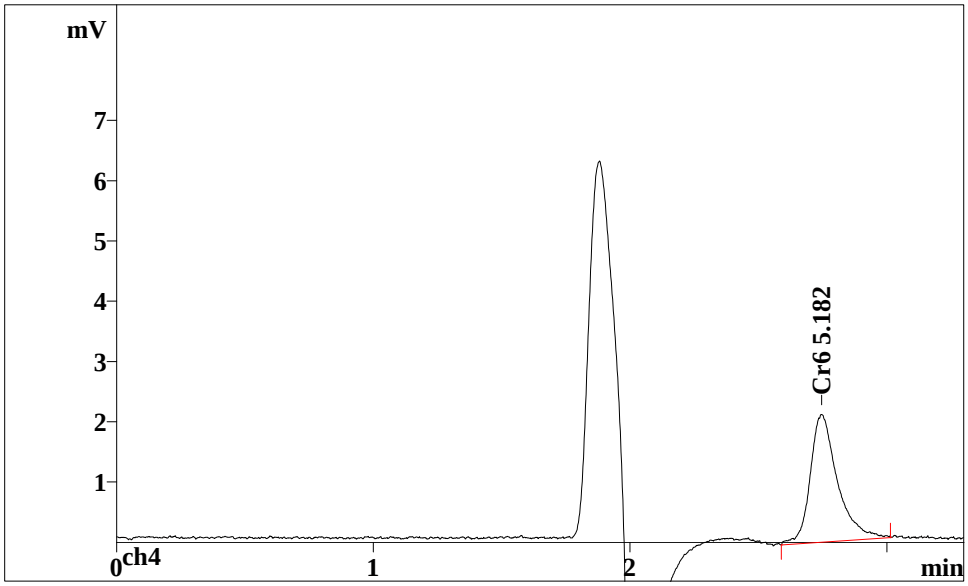
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17642

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: 7.3 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.75;	0.104;	2.12;	99.92;	15.643;	100.00;	0.00;	0.00;	31

Report date: 8/27/2009 11:48:36 AM
Printed by: TestAmerica - Edison

Ident: 10 ppb
Analysis from: 8/20/2009 3:54:25 PM
File: t8201554.chw Last save: 8/27/2009 11:46:18 AM

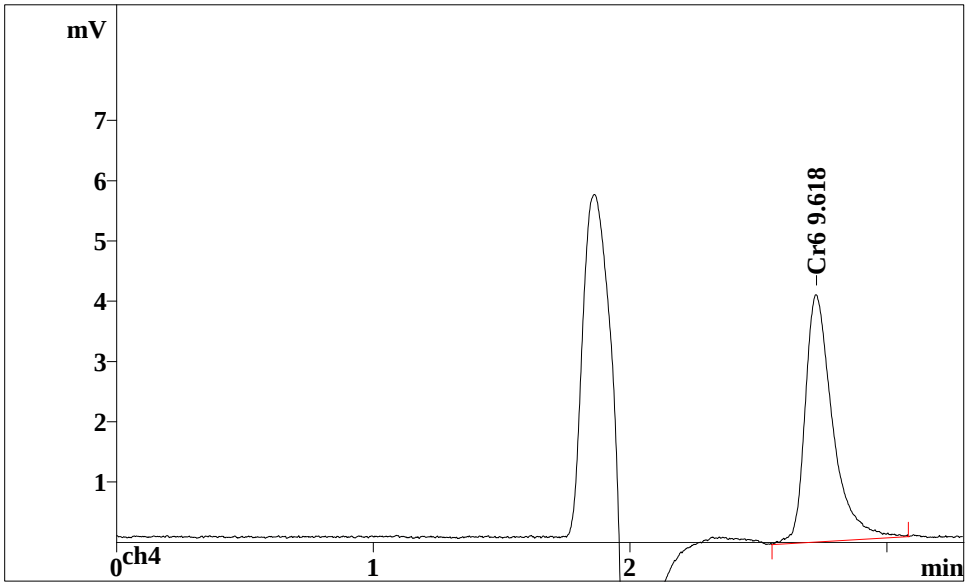
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17643

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: 7.3 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.107;	4.11;	99.99;	30.671;	100.00;	0.00;	0.00;	30

Report date: 8/27/2009 11:48:40 AM
Printed by: TestAmerica - Edison

Ident: 25 ppb
Analysis from: 8/20/2009 4:01:37 PM
File: t8201601.chw Last save: 8/27/2009 11:46:18 AM

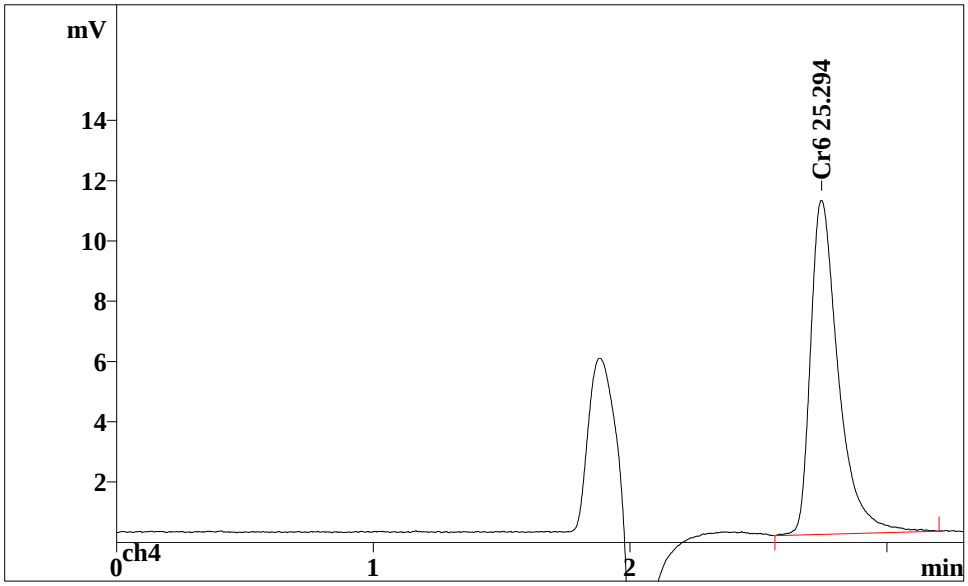
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17644

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: 7.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.75;	0.109;	11.10;	99.96;	83.787;	100.00;	0.00;	0.00;	29

Report date: 8/27/2009 11:48:44 AM
Printed by: TestAmerica - Edison

Ident: 50 ppb
Analysis from: 8/20/2009 4:08:48 PM
File: t8201608.chw Last save: 8/27/2009 11:46:18 AM

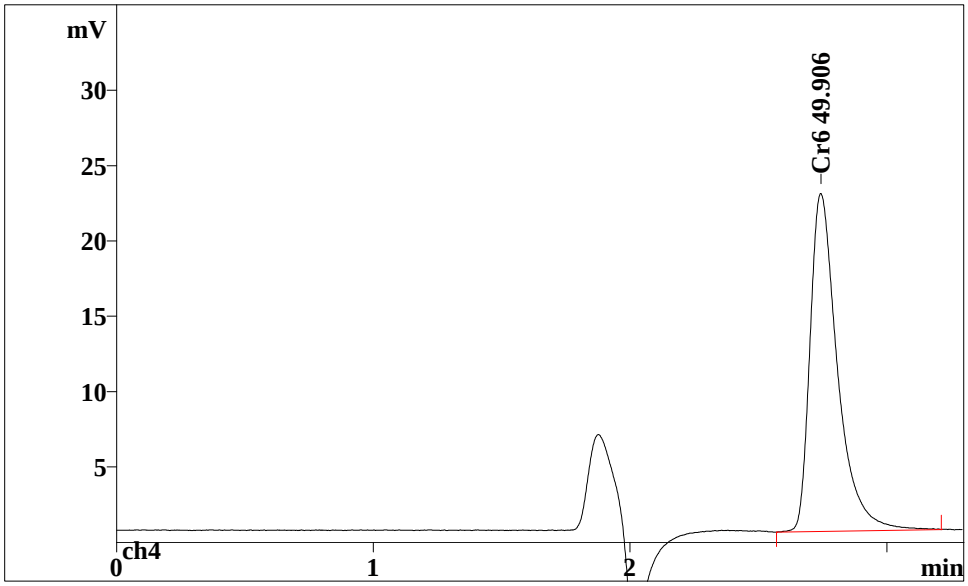
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17645

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

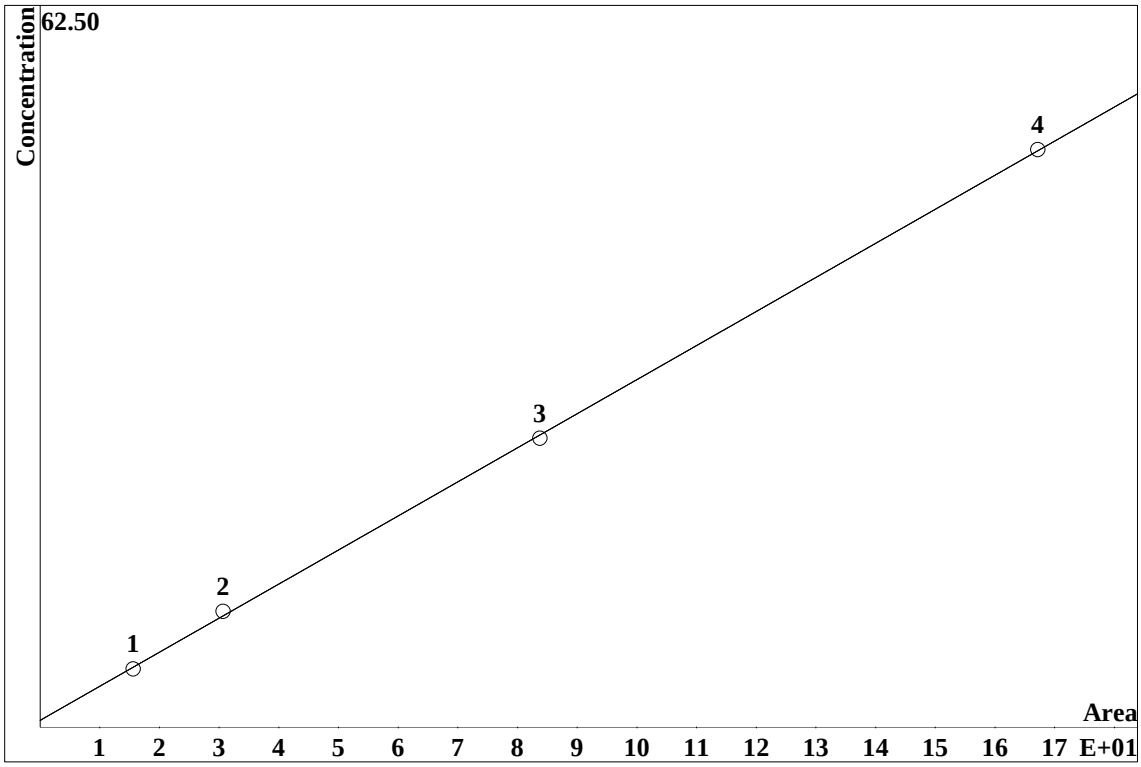
Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.108;	22.44;	99.98;	167.174;	100.00;	0.00;	0.00;	30

CALIBRATION OF COMPONENT Cr6

Method: stl_hexchrome_soil.mtw
Equation: Q = 0.295143·A + 0.565389
RSD: 1.648 %
Correlation coefficient: 0.999888



K3 = 0 K2 = 0 K1 = 0.295143 K0 = 0.565389
Base: Area
Ref.channel: ch4
ISTD:
Formula: Linear
Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1;	2.121;	15.64;	5;	1;	2.746;	Yes;	t8201547.chw
2;	4.107;	30.67;	10;	1;	2.746;	Yes;	t8201554.chw
3;	11.1;	83.79;	25;	1;	2.746;	Yes;	t8201601.chw
4;	22.44;	167.2;	50;	1;	2.746;	Yes;	t8201608.chw

Report date: 8/27/2009 11:49:09 AM
Printed by: TestAmerica - Edison

Ident: ICV
Analysis from: 8/20/2009 4:16:00 PM
File: t8201616.chw Last save: 8/27/2009 11:46:18 AM

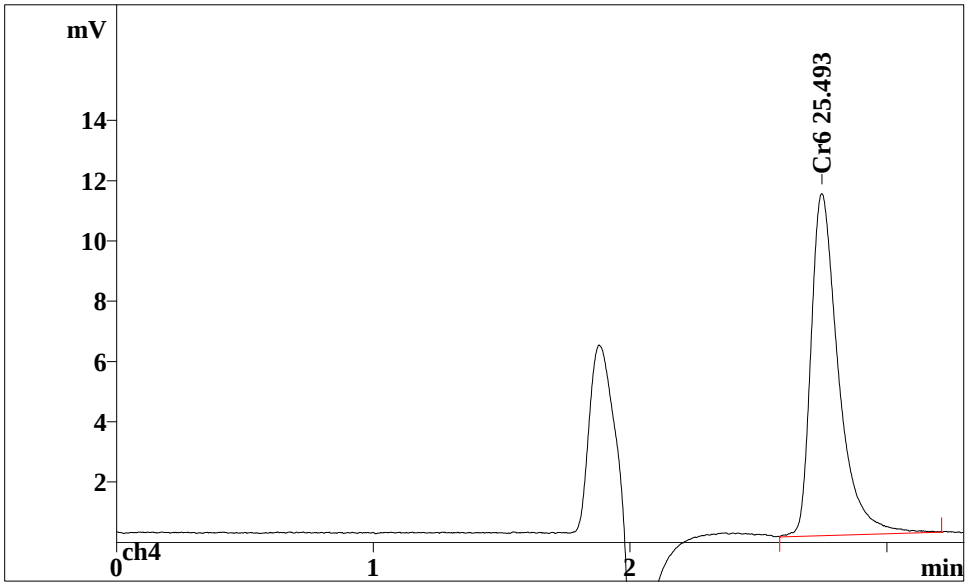
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17646

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: 7.3 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.75;	0.108;	11.35;	100.03;	84.460;	100.00;	0.00;	0.00;	30

Report date: 8/27/2009 11:49:14 AM
Printed by: TestAmerica - Edison

Ident: ICB
Analysis from: 8/20/2009 4:23:11 PM
File: t8201623.chw Last save: 8/27/2009 11:46:18 AM

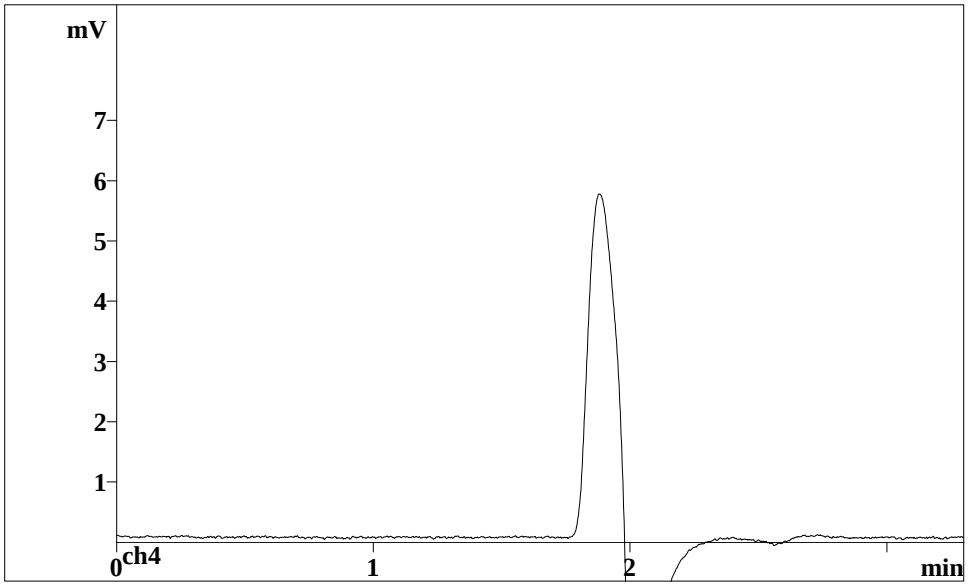
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17647

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: 7.3 MPa



No peaks

Report date: 8/27/2009 11:49:17 AM
Printed by: TestAmerica - Edison

Ident: MB 460-14799/1-A@10
Analysis from: 8/20/2009 4:30:24 PM
File: t8201630.chw Last save: 8/27/2009 11:46:18 AM

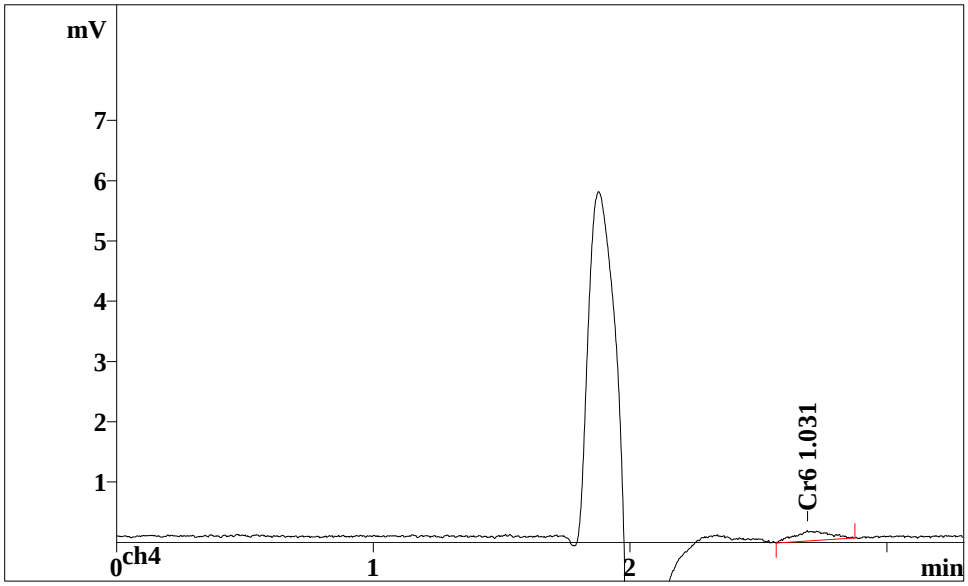
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17648

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: 7.3 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.159;	0.16;	91.54;	1.576;	100.00;	0.00;	0.00;	19

Report date: 8/27/2009 11:49:21 AM
Printed by: TestAmerica - Edison

Ident: MB 460-14799/1-A@10
Analysis from: 8/20/2009 4:37:38 PM
File: t8201637.chw Last save: 8/27/2009 11:46:18 AM

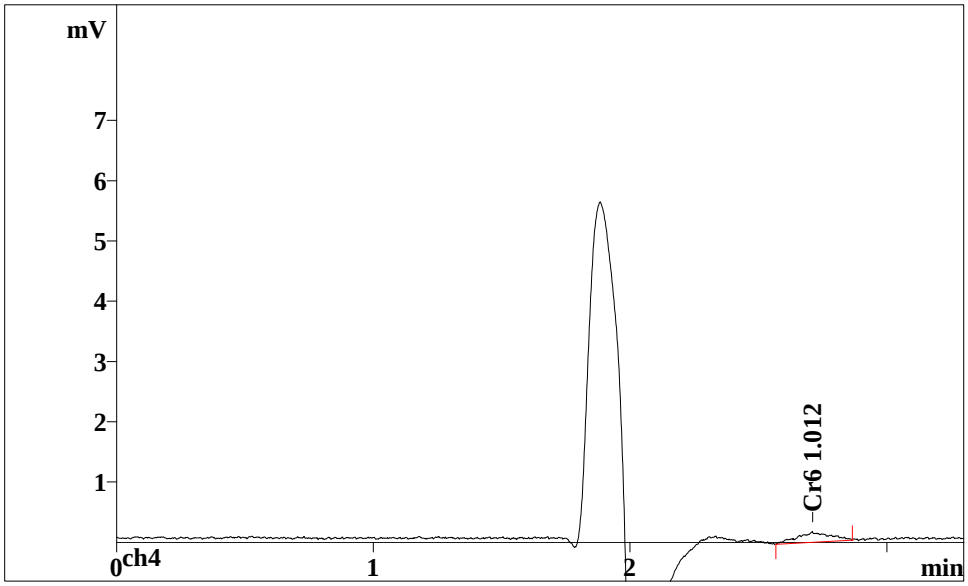
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17649

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: 7.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.144;	0.16;	92.75;	1.515;	100.00;	0.00;	0.00;	22

Report date: 8/27/2009 11:49:25 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-14799/2-A@10
Analysis from: 8/20/2009 4:44:51 PM
File: t8201644.chw Last save: 8/27/2009 11:46:18 AM

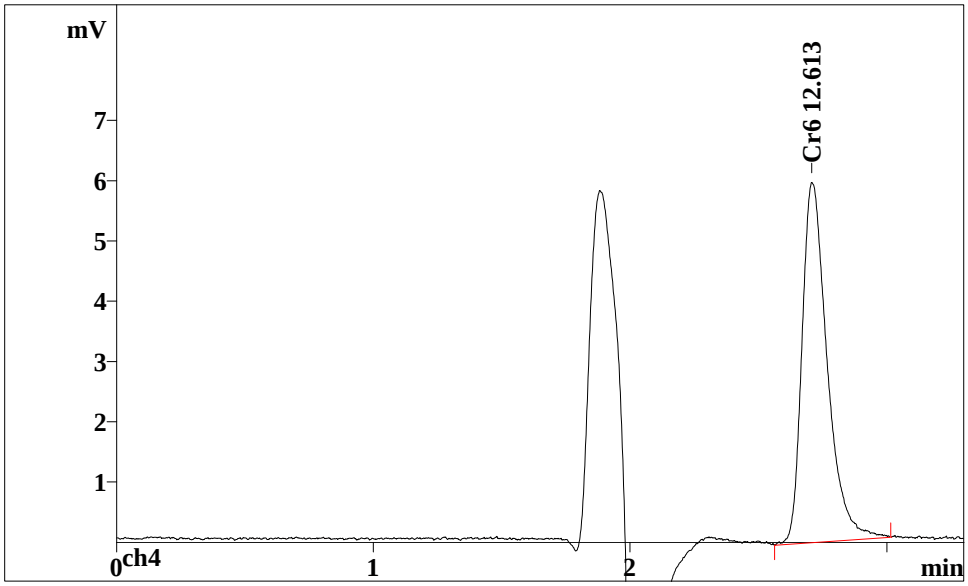
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17650

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: 7.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.101;	5.98;	100.01;	40.821;	100.00;	0.00;	0.00;	35

Report date: 8/27/2009 11:49:29 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-14799/2-A@10
Analysis from: 8/20/2009 4:52:06 PM
File: t8201652.chw Last save: 8/27/2009 11:46:19 AM

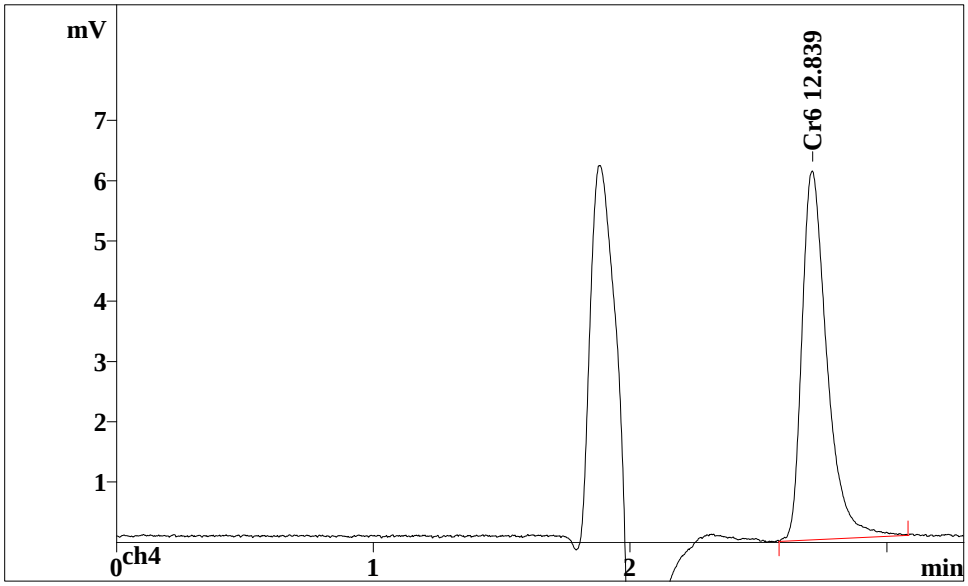
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17651

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: 7.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.100;	6.12;	99.98;	41.586;	100.00;	0.00;	0.00;	35

Report date: 8/27/2009 11:49:33 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-14799/3-A@500
Analysis from: 8/20/2009 4:59:21 PM
File: t8201659.chw Last save: 8/27/2009 11:46:19 AM

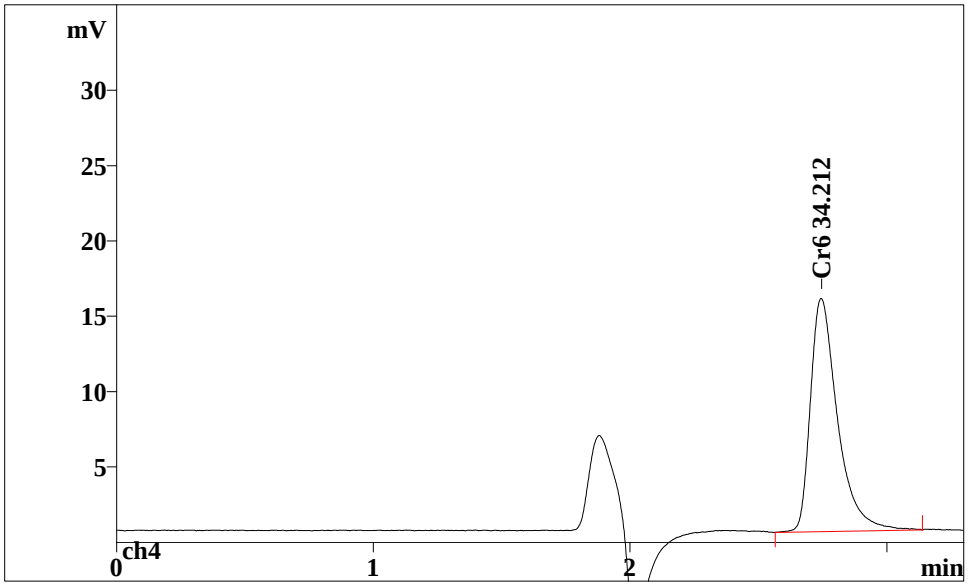
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17652

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: 7.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.107;	15.49;	99.95;	114.003;	100.00;	0.00;	0.00;	31

Report date: 8/27/2009 11:49:36 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-14799/3-A@500
Analysis from: 8/20/2009 5:06:36 PM
File: t8201706.chw Last save: 8/27/2009 11:46:19 AM

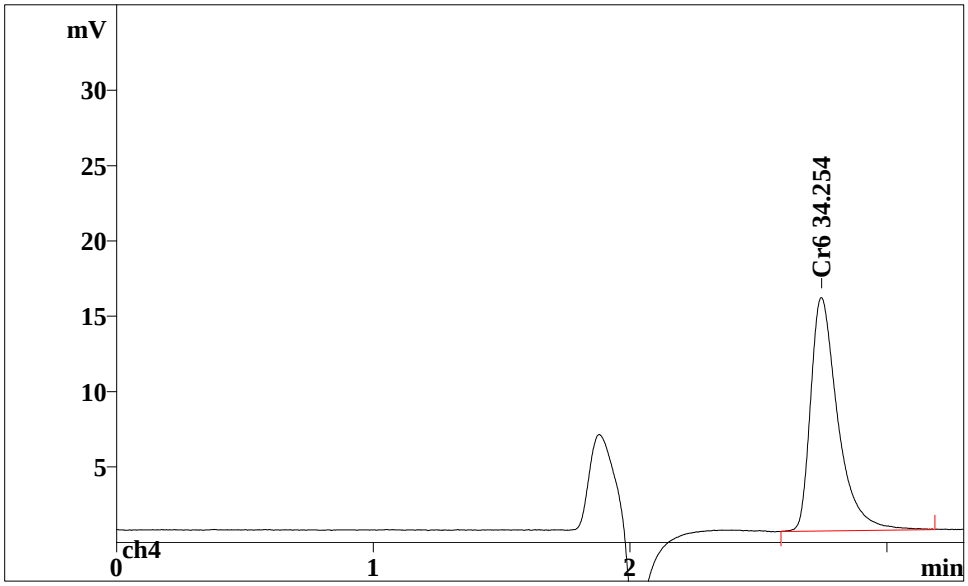
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17653

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: 7.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.107;	15.50;	99.99;	114.145;	100.00;	0.00;	0.00;	31

Report date: 8/27/2009 11:49:39 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-1-A DU@10
Analysis from: 8/20/2009 5:13:55 PM
File: t8201713.chw Last save: 8/27/2009 11:46:19 AM

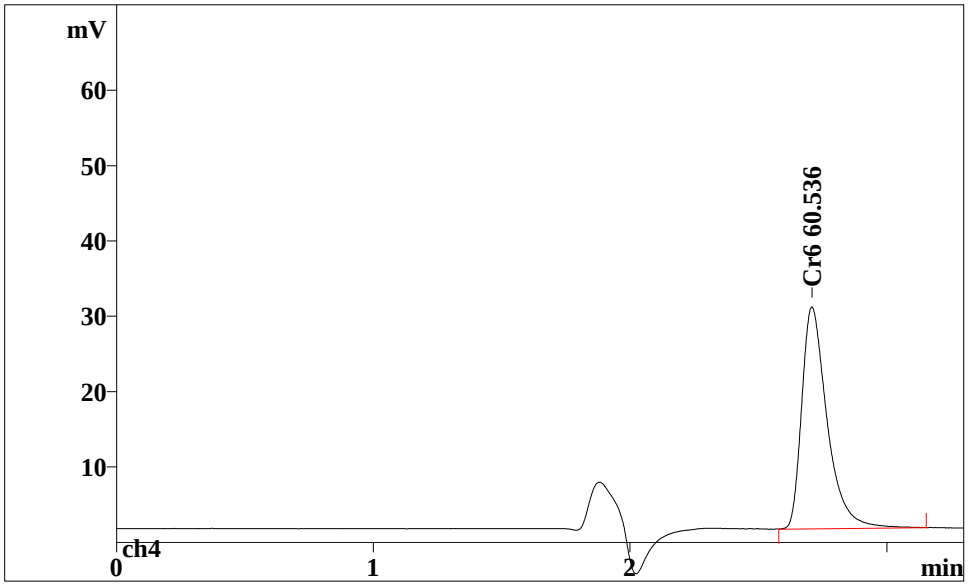
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17654

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: 7.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.101;	29.45;	100.00;	203.193;	100.00;	0.00;	0.00;	34

Report date: 8/27/2009 11:49:43 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-1-A DU@10
Analysis from: 8/20/2009 5:21:12 PM
File: t8201721.chw Last save: 8/27/2009 11:46:19 AM

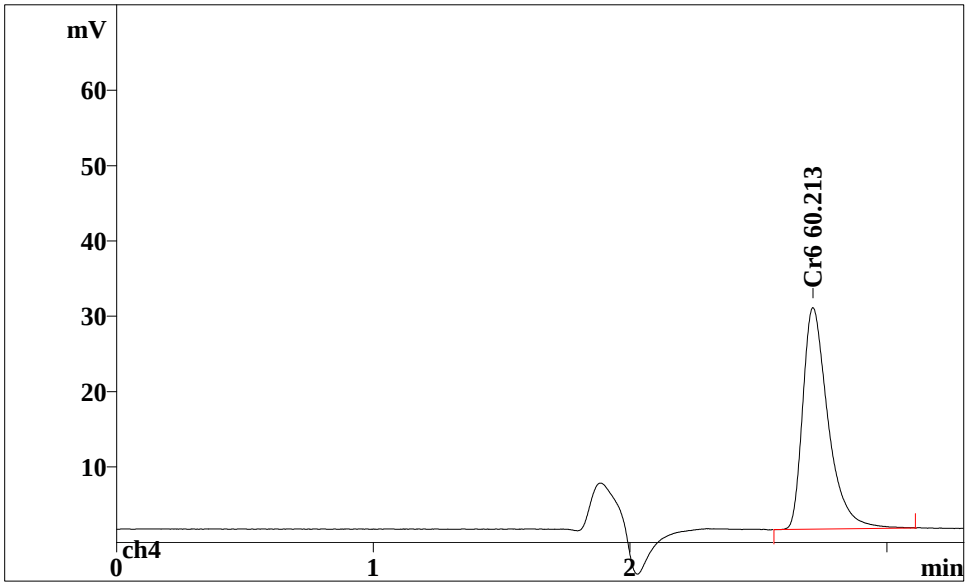
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17655

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: 7.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.101;	29.43;	100.01;	202.097;	100.00;	0.00;	0.00;	35

Report date: 8/27/2009 11:49:47 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-1-B MS@40
Analysis from: 8/20/2009 5:28:30 PM
File: t8201728.chw Last save: 8/27/2009 11:46:19 AM

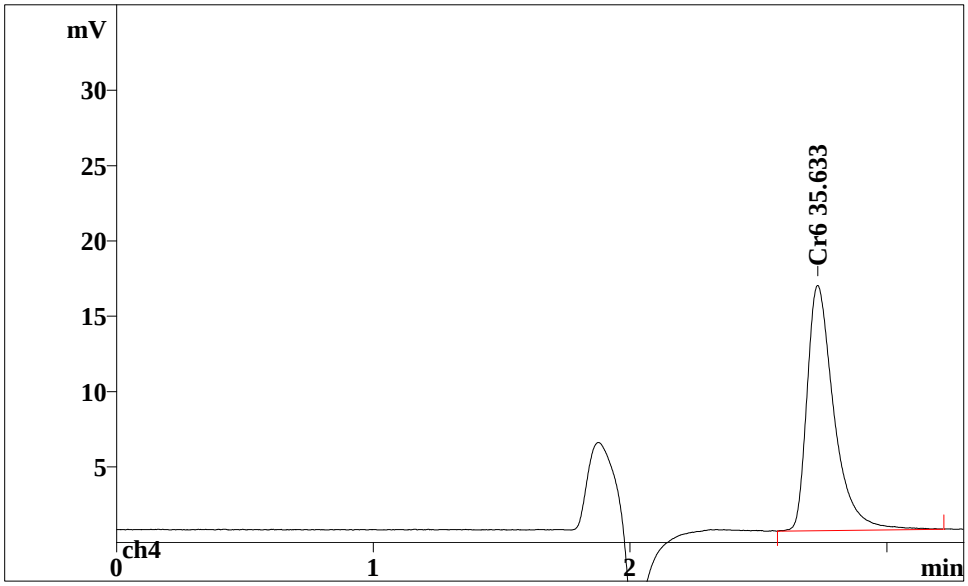
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17656

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: 7.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.106;	16.29;	100.02;	118.815;	100.00;	0.00;	0.00;	31

Report date: 8/27/2009 11:49:49 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-1-B MS@40
Analysis from: 8/20/2009 5:35:48 PM
File: t8201735.chw Last save: 8/27/2009 11:46:19 AM

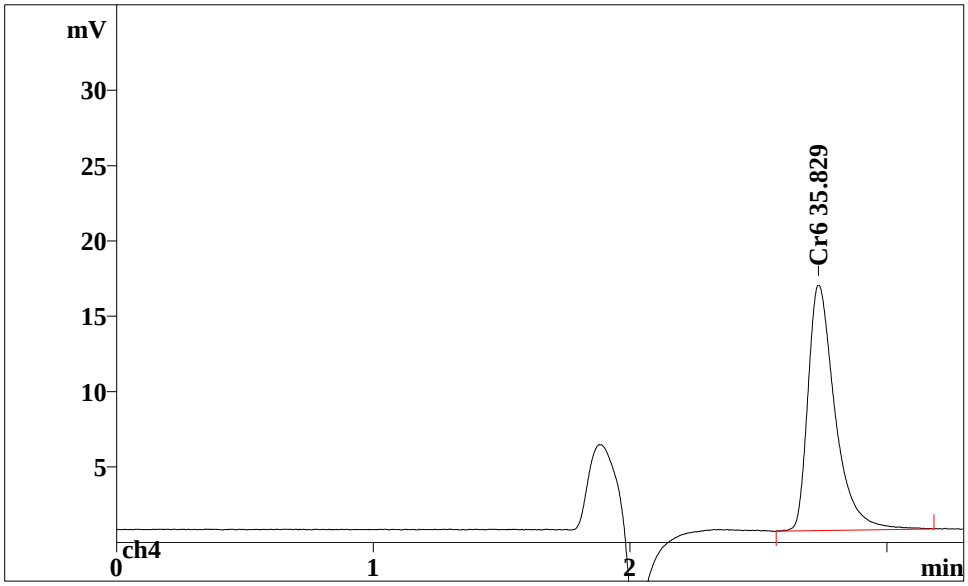
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17657

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: 7.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.107;	16.31;	100.05;	119.478;	100.00;	0.00;	0.00;	31

Report date: 8/27/2009 11:49:53 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 8/20/2009 5:43:07 PM
File: t8201743.chw Last save: 8/27/2009 11:46:19 AM

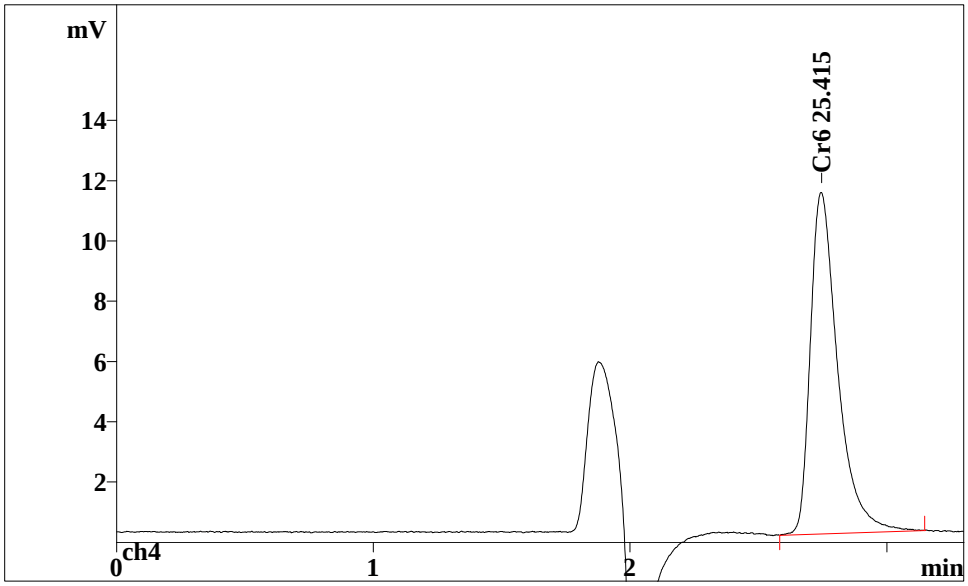
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17658

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: 7.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.108;	11.35;	100.00;	84.196;	100.00;	0.00;	0.00;	30

Report date: 8/27/2009 11:49:56 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 8/20/2009 5:50:26 PM
File: t8201750.chw Last save: 8/27/2009 11:46:19 AM

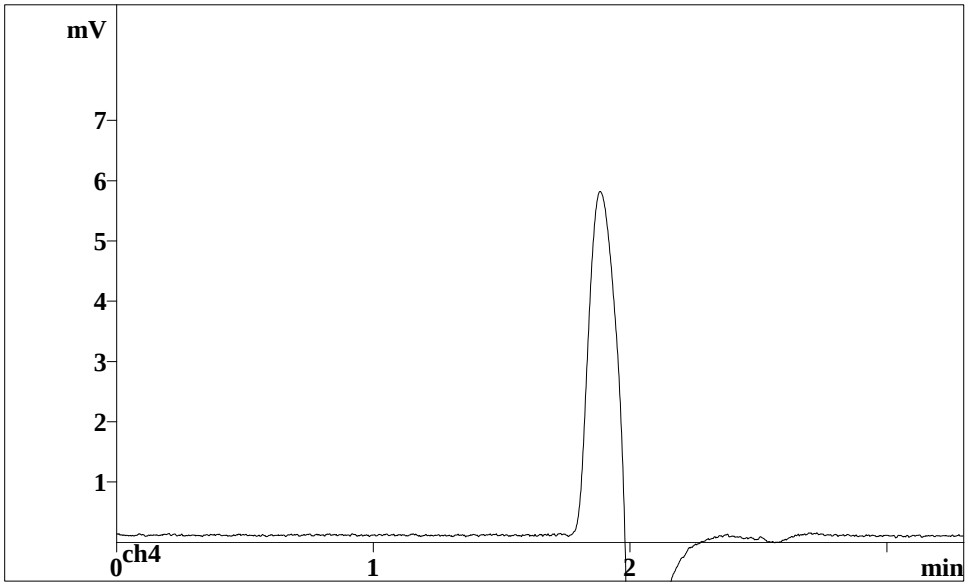
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17659

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: 7.4 MPa



No peaks

Report date: 8/27/2009 11:50:02 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-1-C MSI@500
Analysis from: 8/20/2009 5:57:46 PM
File: t8201757.chw Last save: 8/27/2009 11:46:20 AM

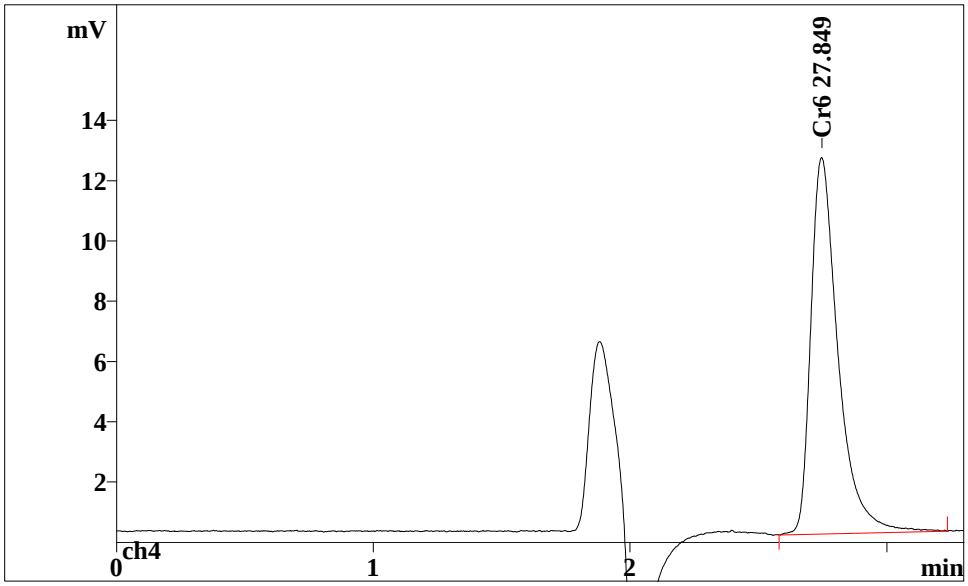
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17660

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: 7.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.75;	0.107;	12.50;	100.00;	92.444;	100.00;	0.00;	0.00;	31

Report date: 8/27/2009 11:50:06 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-1-C MSI@500
Analysis from: 8/20/2009 6:05:05 PM
File: t8201805.chw Last save: 8/27/2009 11:46:20 AM

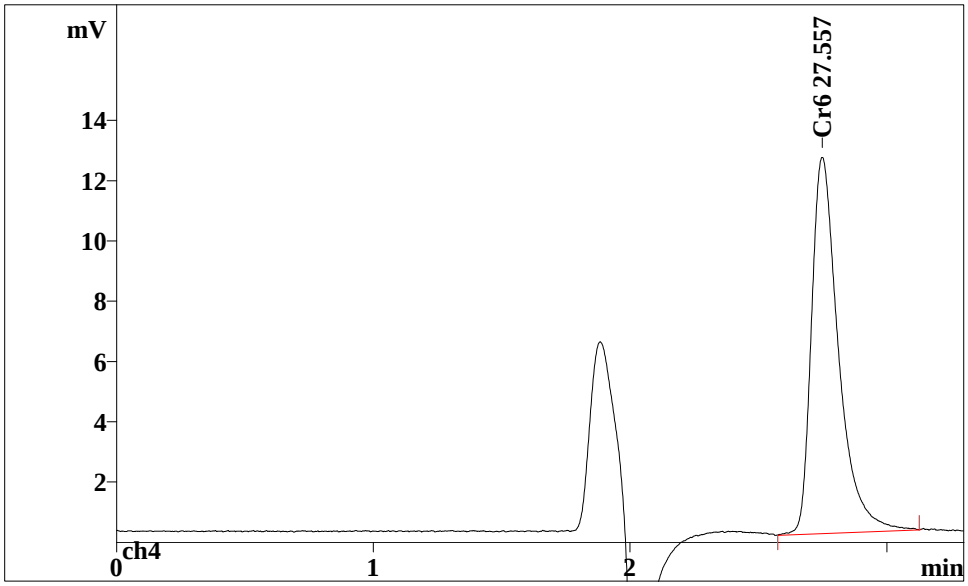
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17661

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: 7.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.75;	0.107;	12.50;	100.01;	91.452;	100.00;	0.00;	0.00;	31

Report date: 8/27/2009 11:50:09 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-1-D@10
Analysis from: 8/20/2009 6:12:24 PM
File: t8201812.chw Last save: 8/27/2009 11:46:20 AM

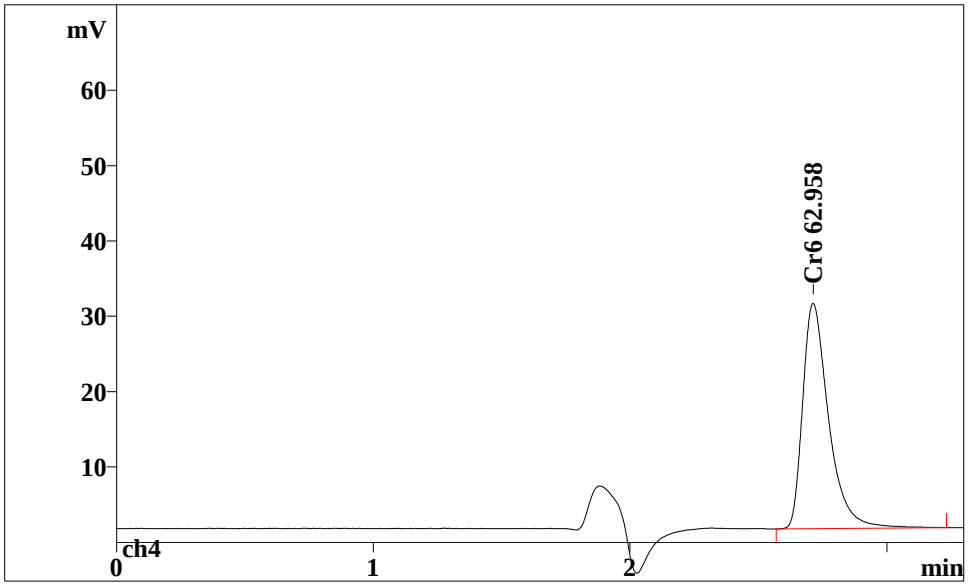
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17662

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: 7.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.103;	29.93;	100.01;	211.400;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 11:50:12 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-1-D@10
Analysis from: 8/20/2009 6:19:42 PM
File: t8201819.chw Last save: 8/27/2009 11:46:20 AM

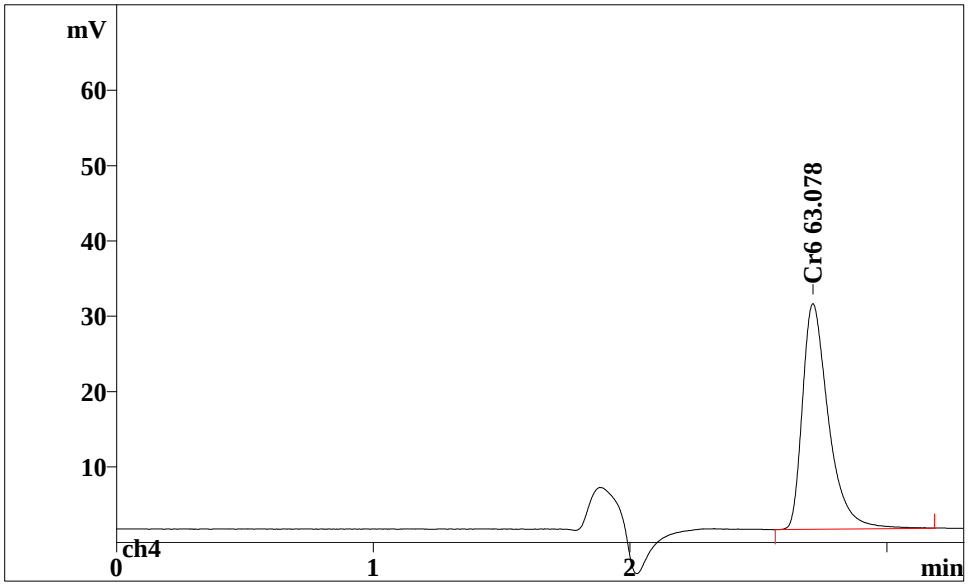
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17663

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: 7.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.104;	29.97;	100.00;	211.803;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 11:50:17 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-2-A@10
Analysis from: 8/20/2009 6:27:01 PM
File: t8201827.chw Last save: 8/27/2009 11:46:20 AM

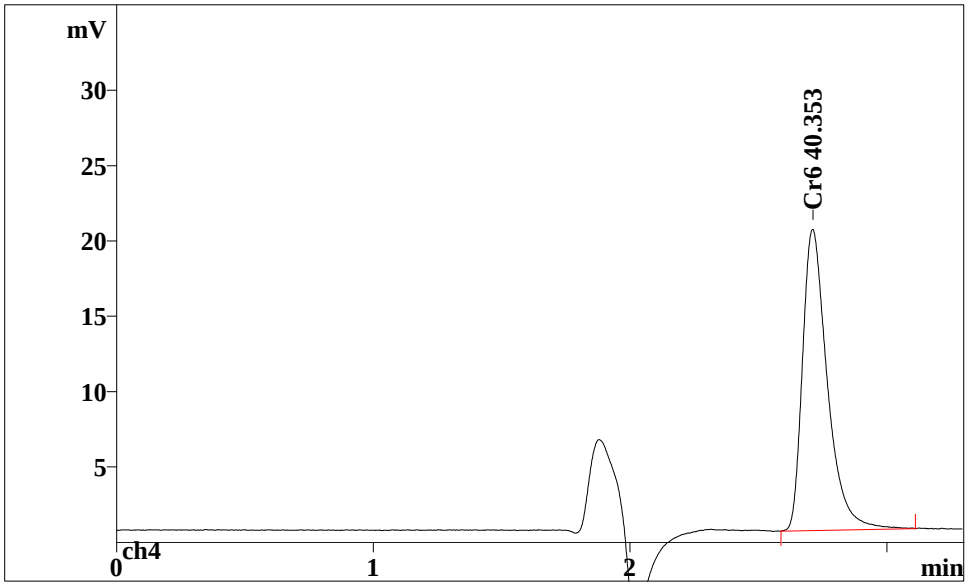
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17664

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: 7.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.099;	20.01;	99.99;	134.809;	100.00;	0.00;	0.00;	36

Report date: 8/27/2009 11:50:21 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-2-A@10
Analysis from: 8/20/2009 6:34:20 PM
File: t8201834.chw Last save: 8/27/2009 11:46:20 AM

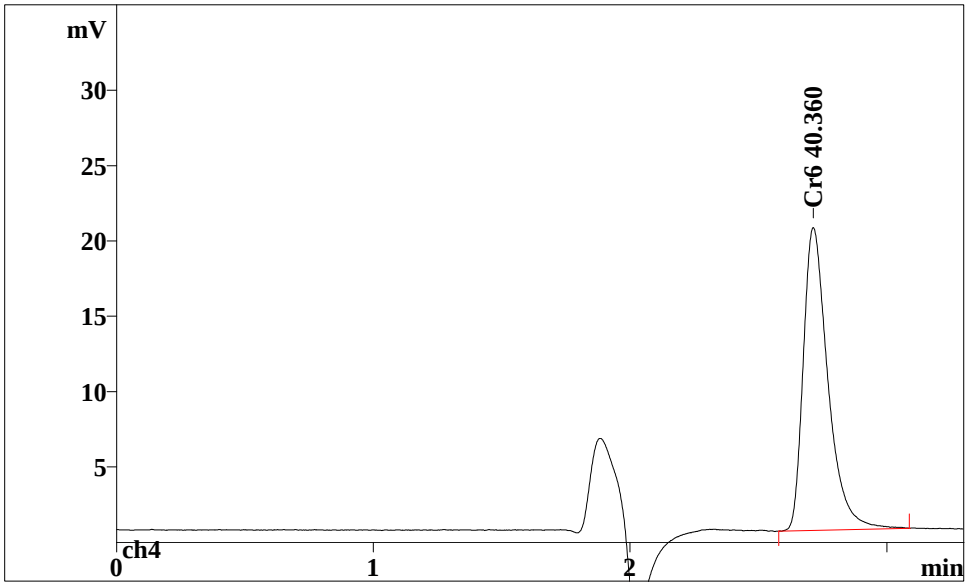
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17665

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: 7.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.099;	20.12;	100.03;	134.831;	100.00;	0.00;	0.00;	37

Report date: 8/27/2009 11:50:24 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-3-A@10
Analysis from: 8/20/2009 6:41:39 PM
File: t8201841.chw Last save: 8/27/2009 11:46:20 AM

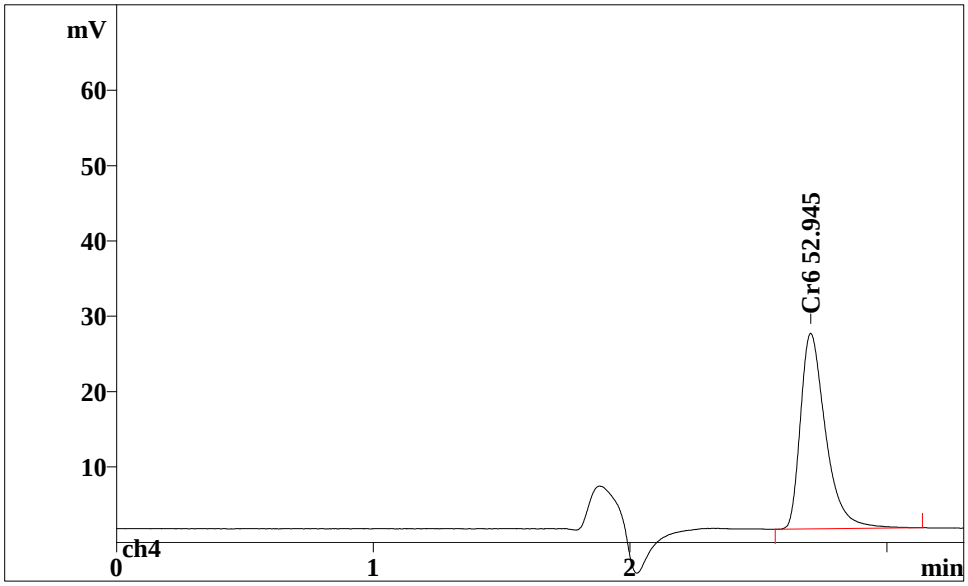
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17666

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: 7.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.101;	25.98;	99.97;	177.472;	100.00;	0.00;	0.00;	35

Report date: 8/27/2009 11:50:27 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-3-A@10
Analysis from: 8/20/2009 6:48:59 PM
File: t8201848.chw Last save: 8/27/2009 11:46:20 AM

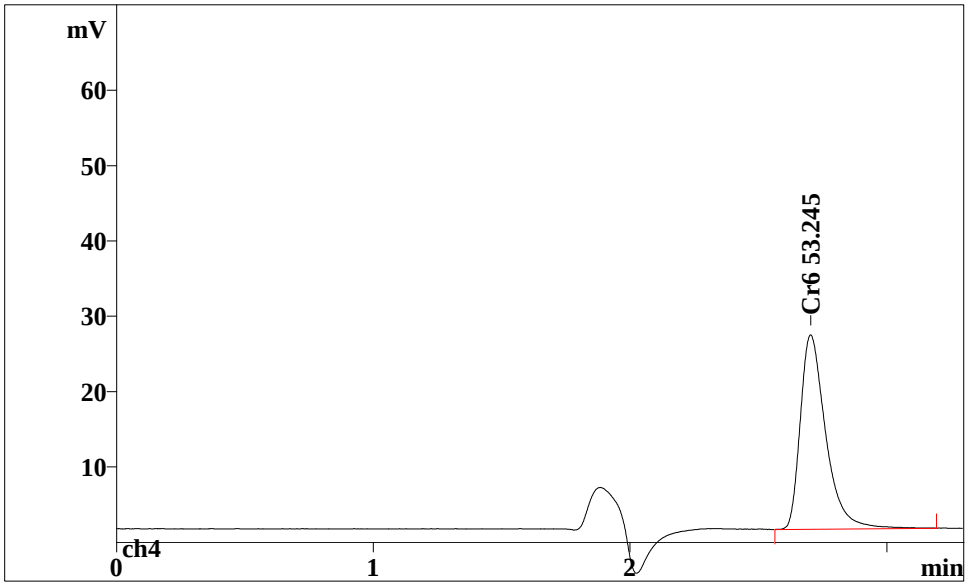
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17667

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: 7.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.102;	25.82;	100.00;	178.490;	100.00;	0.00;	0.00;	34

Report date: 8/27/2009 11:50:36 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-4-A@10
Analysis from: 8/20/2009 6:56:18 PM
File: t8201856.chw Last save: 8/27/2009 11:46:21 AM

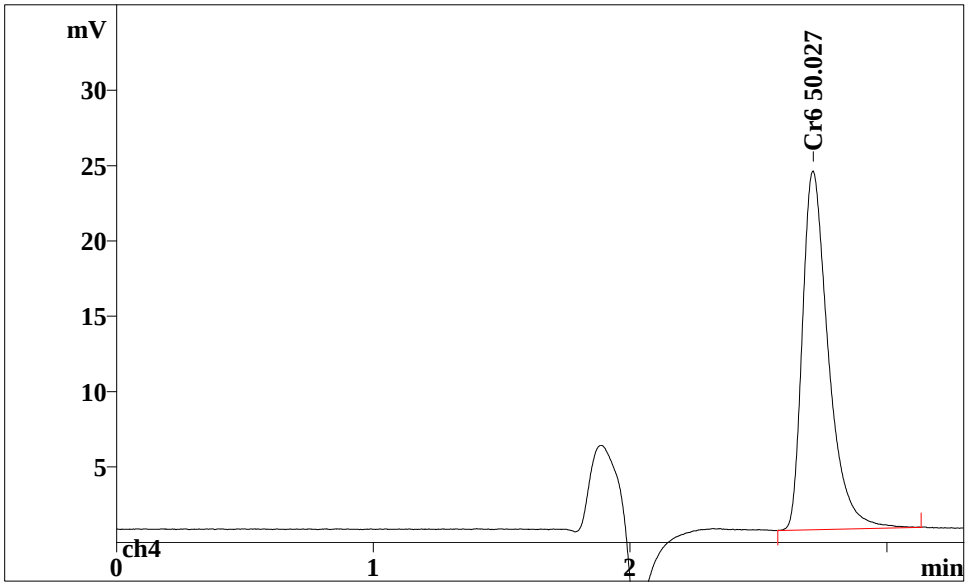
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17668

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: 7.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.104;	23.81;	99.99;	167.585;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 11:50:42 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-4-A@10
Analysis from: 8/20/2009 7:03:35 PM
File: t8201903.chw Last save: 8/27/2009 11:46:21 AM

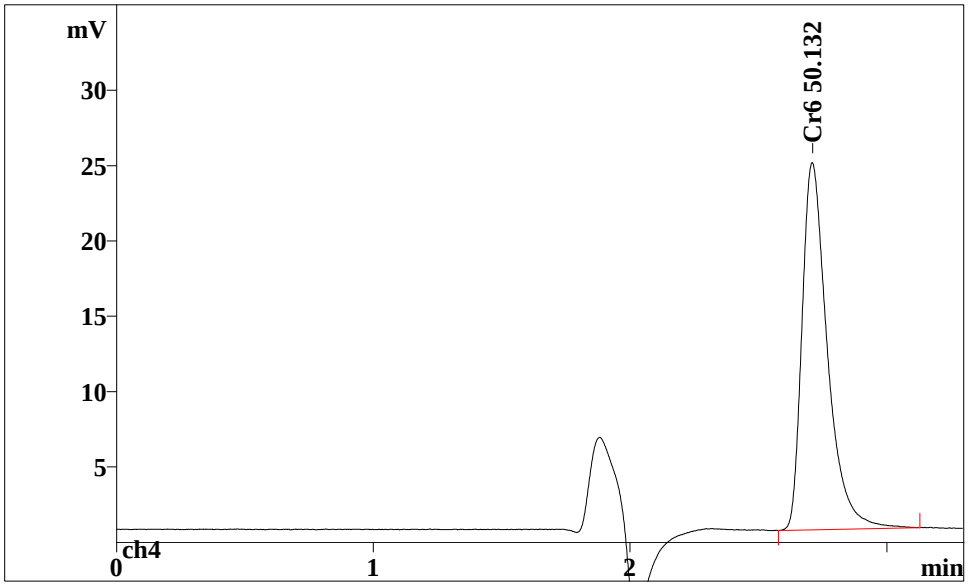
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17669

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: 7.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.101;	24.39;	100.00;	167.942;	100.00;	0.00;	0.00;	35

Report date: 8/27/2009 11:50:46 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 8/20/2009 7:10:52 PM
File: t8201910.chw Last save: 8/27/2009 11:46:21 AM

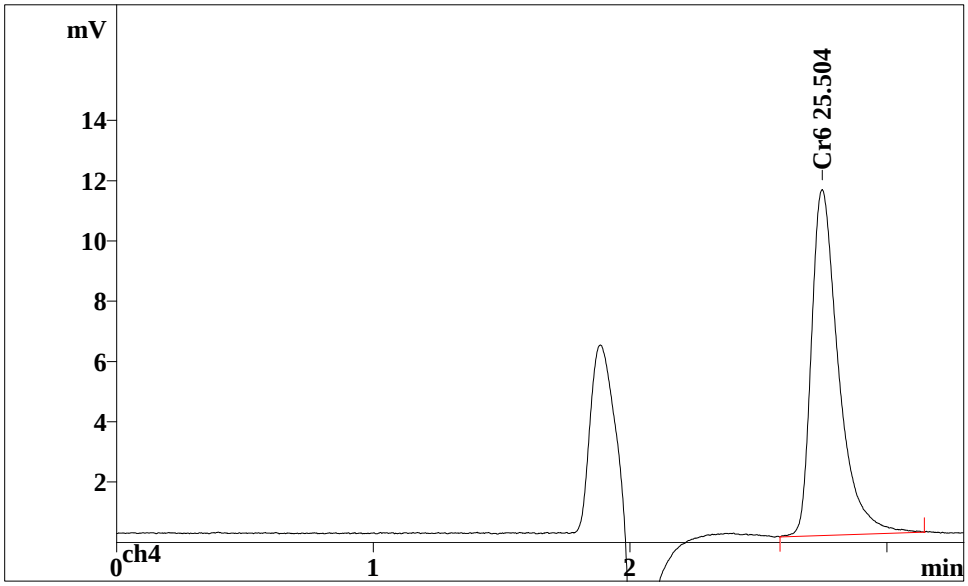
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17670

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: 7.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.75;	0.107;	11.48;	99.98;	84.496;	100.00;	0.00;	0.00;	31

Report date: 8/27/2009 11:50:49 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 8/20/2009 7:18:08 PM
File: t8201918.chw Last save: 8/27/2009 11:46:21 AM

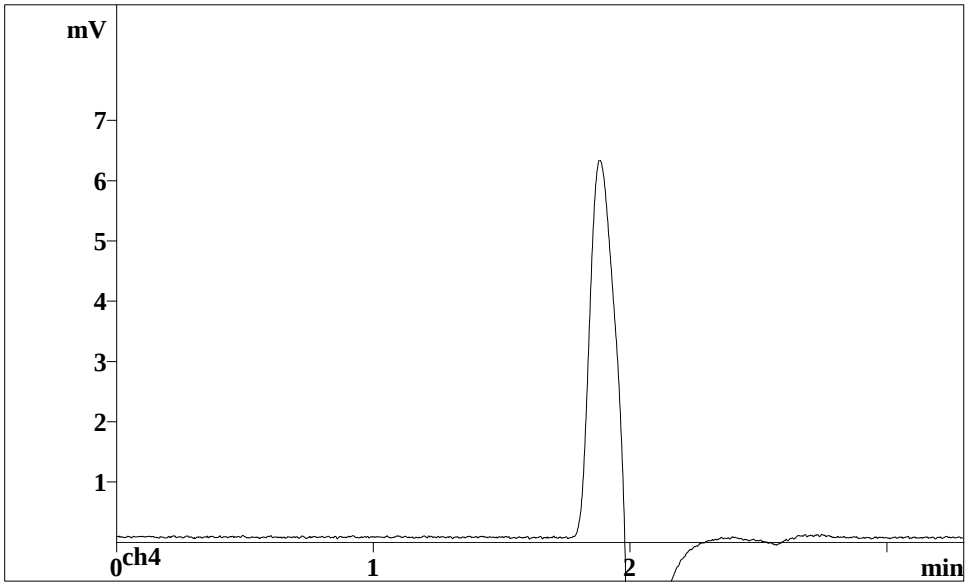
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17671

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: 7.4 MPa



No peaks

Report date: 8/27/2009 11:50:53 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-5-A@10
Analysis from: 8/20/2009 7:25:24 PM
File: t8201925.chw Last save: 8/27/2009 11:46:21 AM

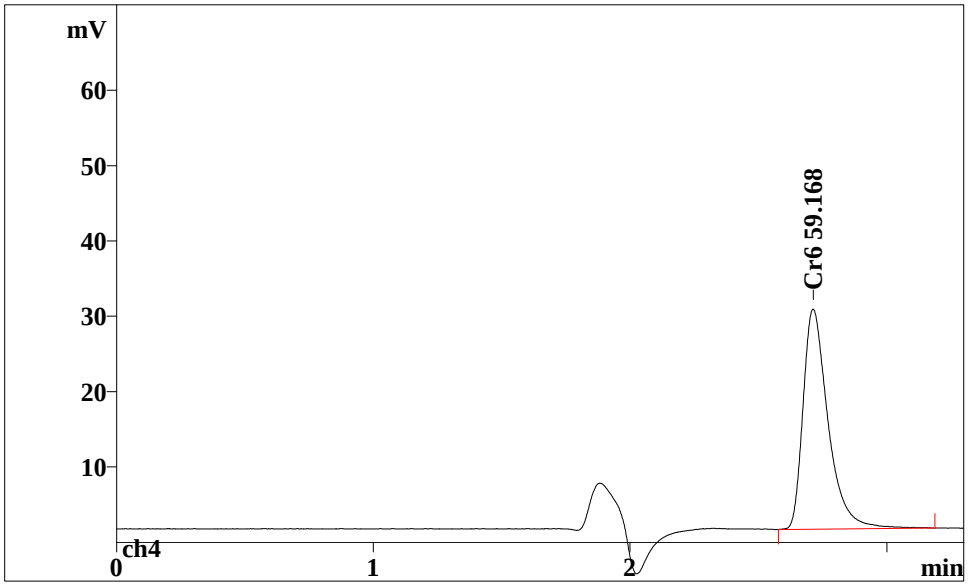
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17672

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: 7.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.099;	29.23;	100.00;	198.558;	100.00;	0.00;	0.00;	36

Report date: 8/27/2009 11:50:56 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-5-A@10
Analysis from: 8/20/2009 7:32:39 PM
File: t8201932.chw Last save: 8/27/2009 11:46:21 AM

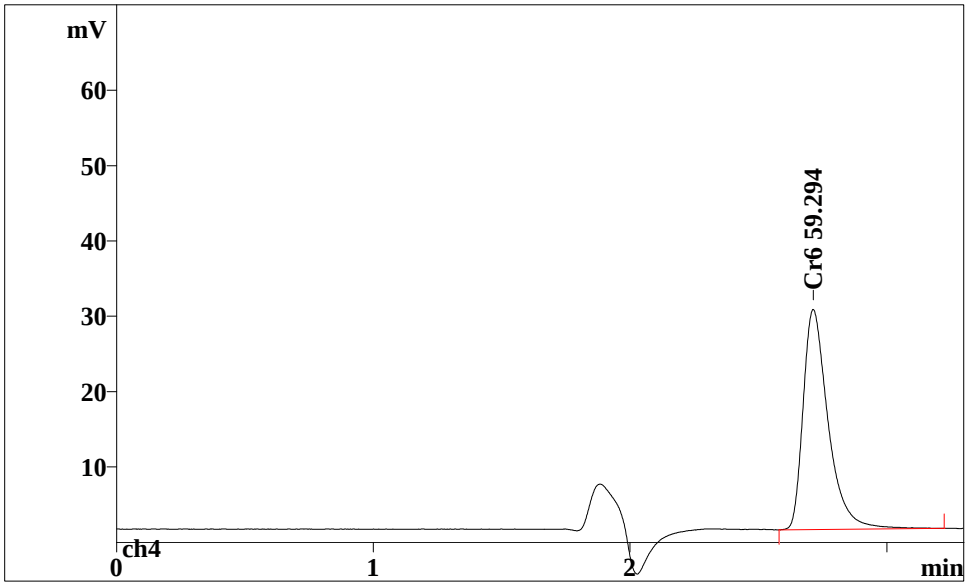
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17673

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: 7.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.100;	29.24;	99.99;	198.985;	100.00;	0.00;	0.00;	35

Report date: 8/27/2009 11:51:00 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-6-A@10
Analysis from: 8/20/2009 7:39:54 PM
File: t8201939.chw Last save: 8/27/2009 11:46:21 AM

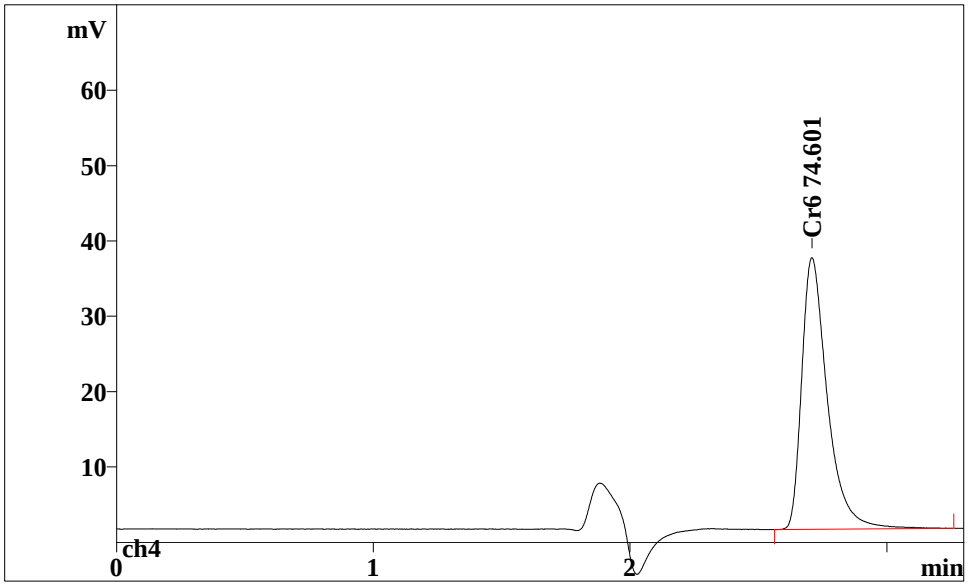
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17674

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: 7.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.101;	36.08;	99.99;	250.848;	100.00;	0.00;	0.00;	34

Report date: 8/27/2009 11:51:03 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-6-A@10
Analysis from: 8/20/2009 7:47:08 PM
File: t8201947.chw Last save: 8/27/2009 11:46:22 AM

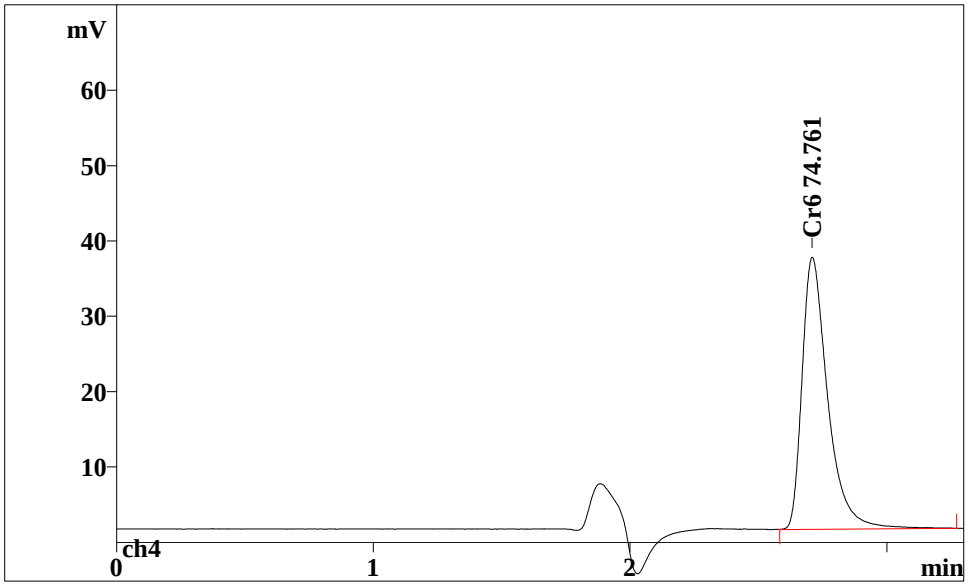
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17675

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: 7.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.101;	36.13;	100.00;	251.389;	100.00;	0.00;	0.00;	34

Report date: 8/27/2009 11:51:07 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-7-A@10
Analysis from: 8/20/2009 7:54:21 PM
File: t8201954.chw Last save: 8/27/2009 11:46:22 AM

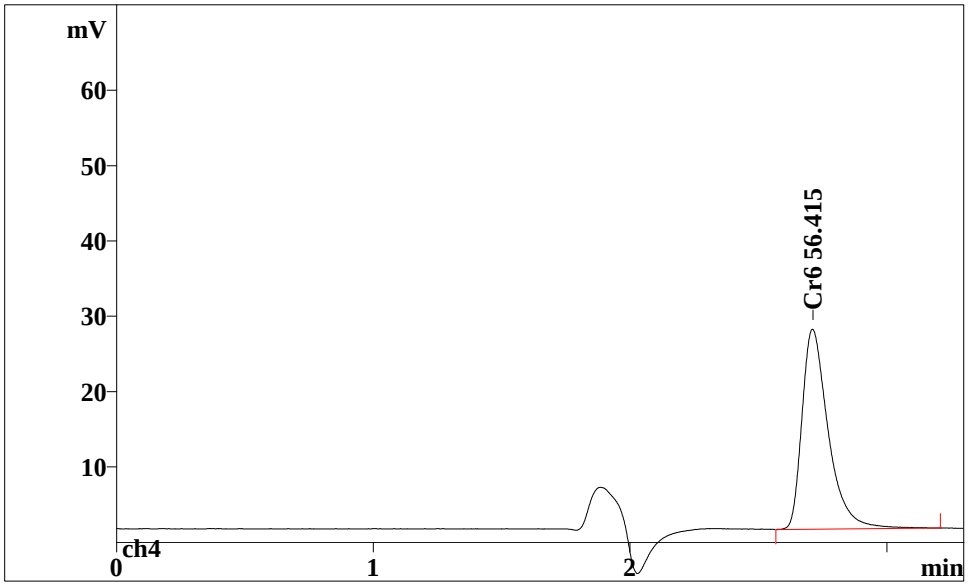
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17676

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.105;	26.56;	100.05;	189.231;	100.00;	0.00;	0.00;	32

Report date: 8/27/2009 11:51:10 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-7-A@10
Analysis from: 8/20/2009 8:01:33 PM
File: t8202001.chw Last save: 8/27/2009 11:46:22 AM

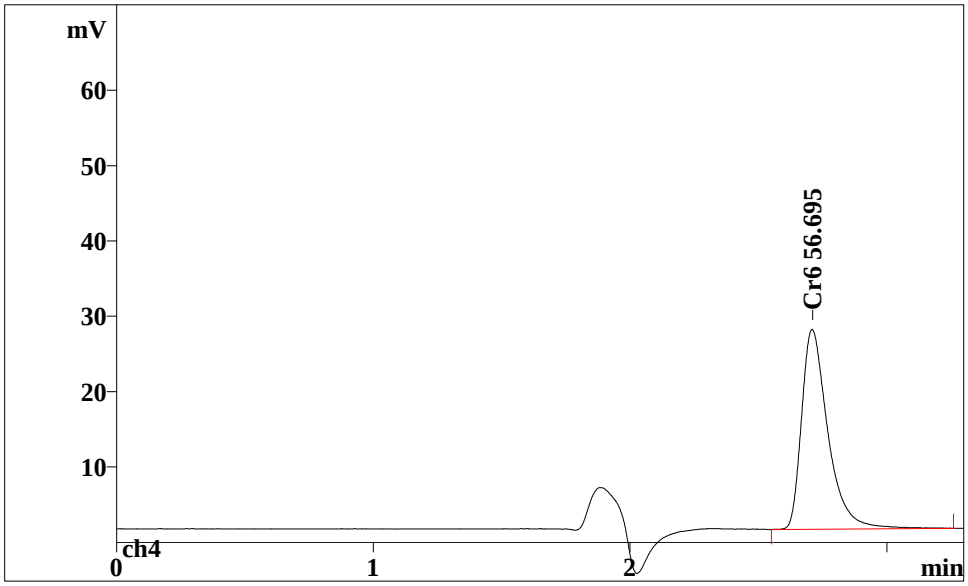
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17677

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: 7.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.105;	26.54;	100.03;	190.178;	100.00;	0.00;	0.00;	32

Report date: 8/27/2009 11:51:18 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-8-A@10
Analysis from: 8/20/2009 8:08:45 PM
File: t8202008.chw Last save: 8/27/2009 11:46:22 AM

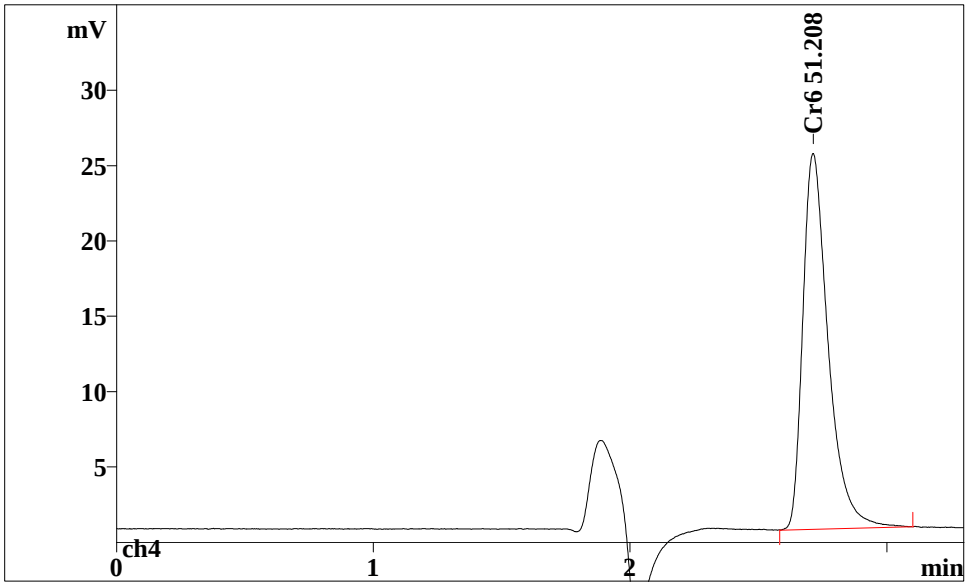
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17678

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: 7.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.101;	24.95;	99.99;	171.587;	100.00;	0.00;	0.00;	35

Report date: 8/27/2009 11:51:22 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-8-A@10
Analysis from: 8/20/2009 8:15:57 PM
File: t8202015.chw Last save: 8/27/2009 11:46:22 AM

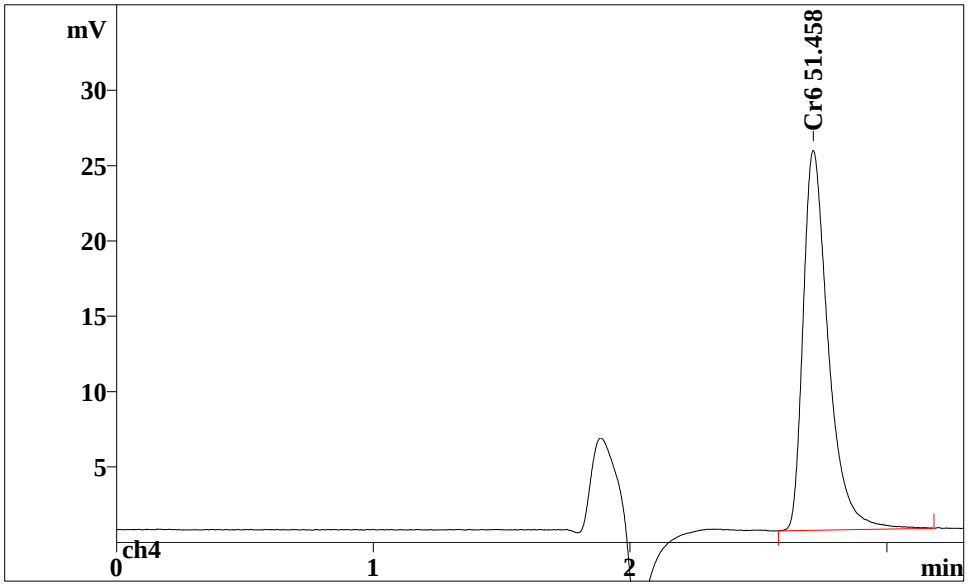
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17679

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: 7.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.100;	25.22;	99.99;	172.435;	100.00;	0.00;	0.00;	35

Report date: 8/27/2009 11:51:25 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-9-A@10
Analysis from: 8/20/2009 8:23:08 PM
File: t8202023.chw Last save: 8/27/2009 11:46:22 AM

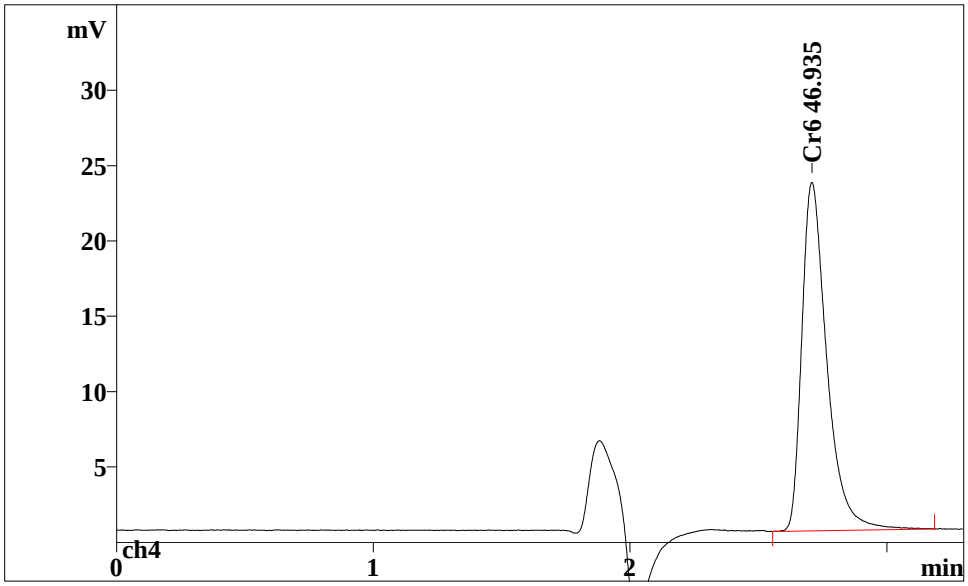
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17680

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: 7.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.100;	23.14;	99.99;	157.109;	100.00;	0.00;	0.00;	36

Report date: 8/27/2009 11:51:28 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-9-A@10
Analysis from: 8/20/2009 8:30:18 PM
File: t8202030.chw Last save: 8/27/2009 11:46:23 AM

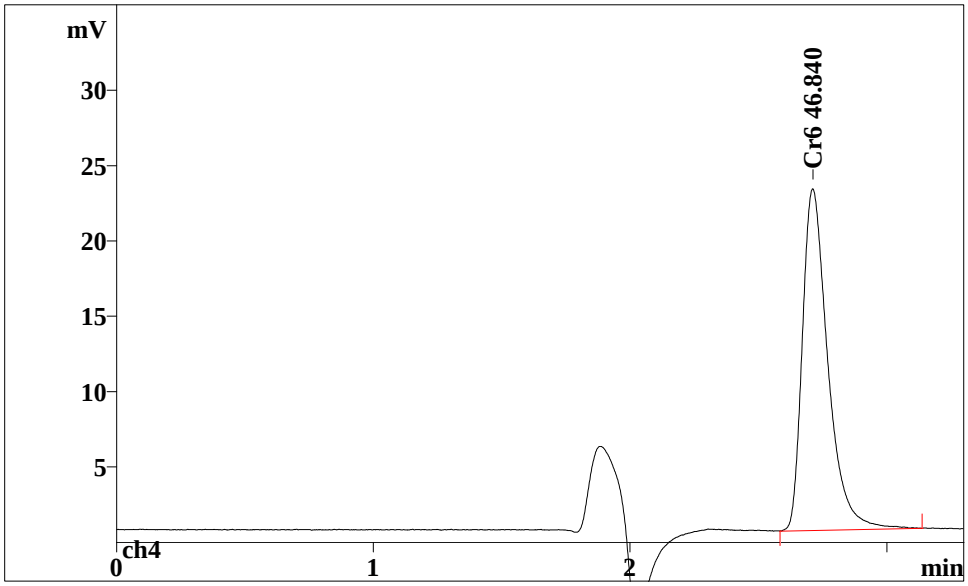
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17681

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: 7.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.102;	22.68;	100.00;	156.789;	100.00;	0.00;	0.00;	34

Report date: 8/27/2009 11:51:32 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 8/20/2009 8:37:27 PM
File: t8202037.chw Last save: 8/27/2009 11:46:23 AM

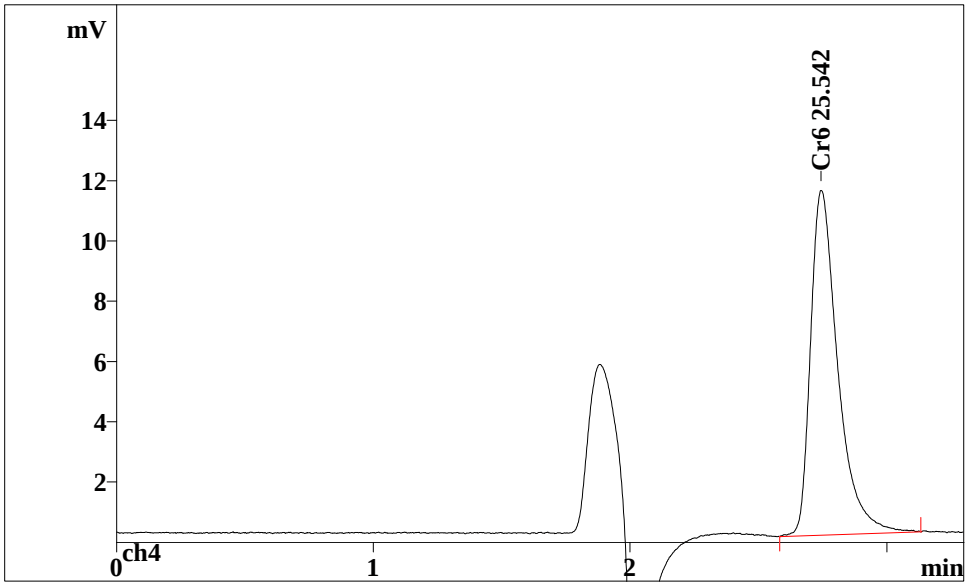
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17682

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: 7.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.108;	11.45;	100.02;	84.626;	100.00;	0.00;	0.00;	31

Report date: 8/27/2009 11:51:37 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 8/20/2009 8:44:35 PM
File: t8202044.chw Last save: 8/27/2009 11:46:23 AM

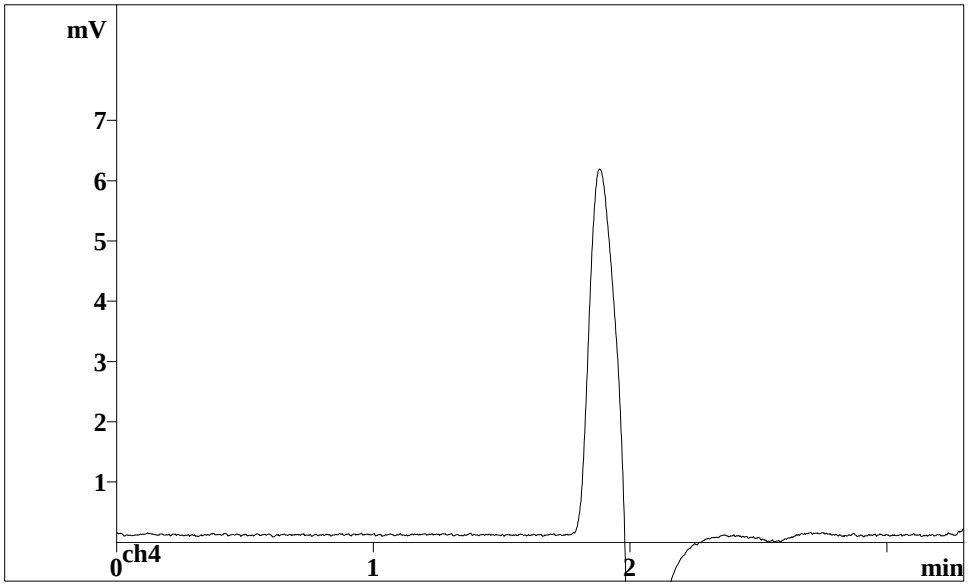
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17683

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: 7.6 MPa



No peaks

Report date: 8/27/2009 11:51:41 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-10-A@10
Analysis from: 8/20/2009 8:51:43 PM
File: t8202051.chw Last save: 8/27/2009 11:46:23 AM

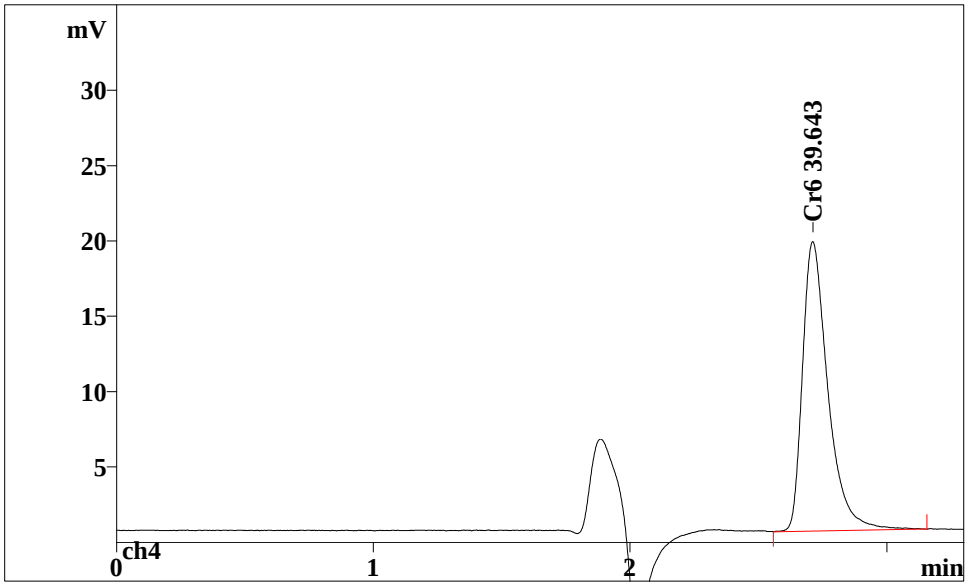
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17684

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: 7.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.101;	19.22;	100.00;	132.403;	100.00;	0.00;	0.00;	35

Report date: 8/27/2009 11:51:44 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-10-A@10
Analysis from: 8/20/2009 8:58:54 PM
File: t8202058.chw Last save: 8/27/2009 11:46:23 AM

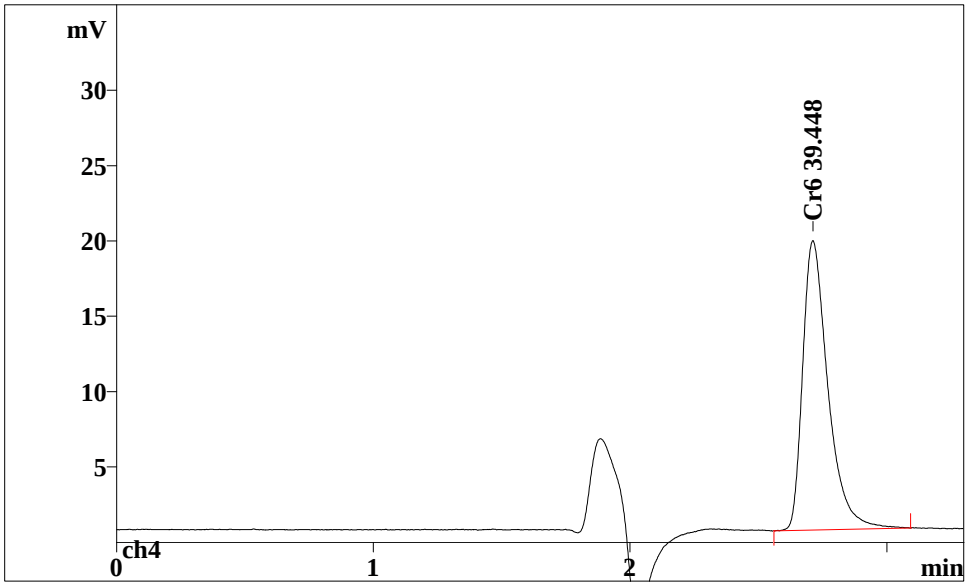
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17685

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.101;	19.22;	99.96;	131.741;	100.00;	0.00;	0.00;	35

Report date: 8/27/2009 11:51:48 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-11-A@10
Analysis from: 8/20/2009 9:06:02 PM
File: t8202106.chw Last save: 8/27/2009 11:46:23 AM

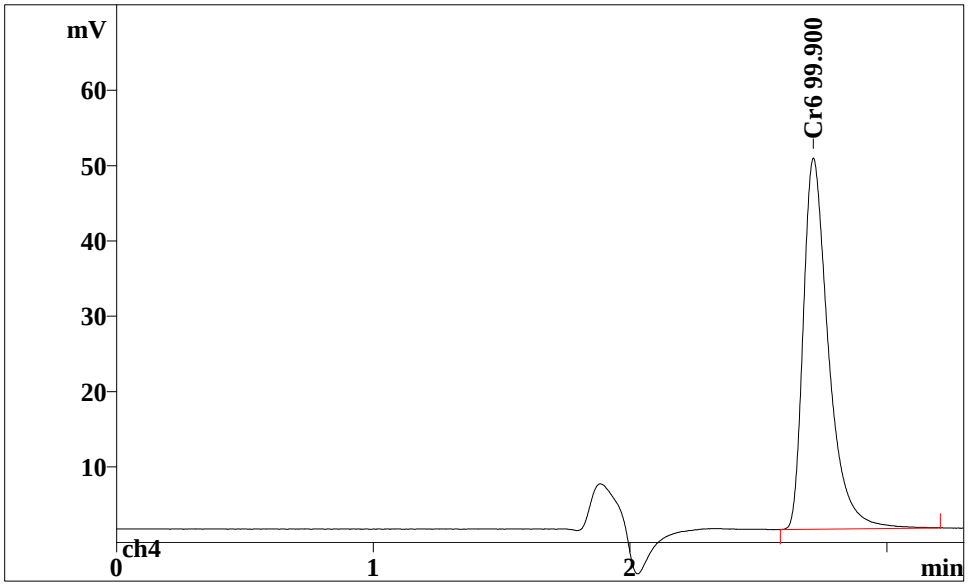
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17686

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.100;	49.30;	100.00;	336.566;	100.00;	0.00;	0.00;	35

Report date: 8/27/2009 11:51:52 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-11-A@10
Analysis from: 8/20/2009 9:13:11 PM
File: t8202113.chw Last save: 8/27/2009 11:46:23 AM

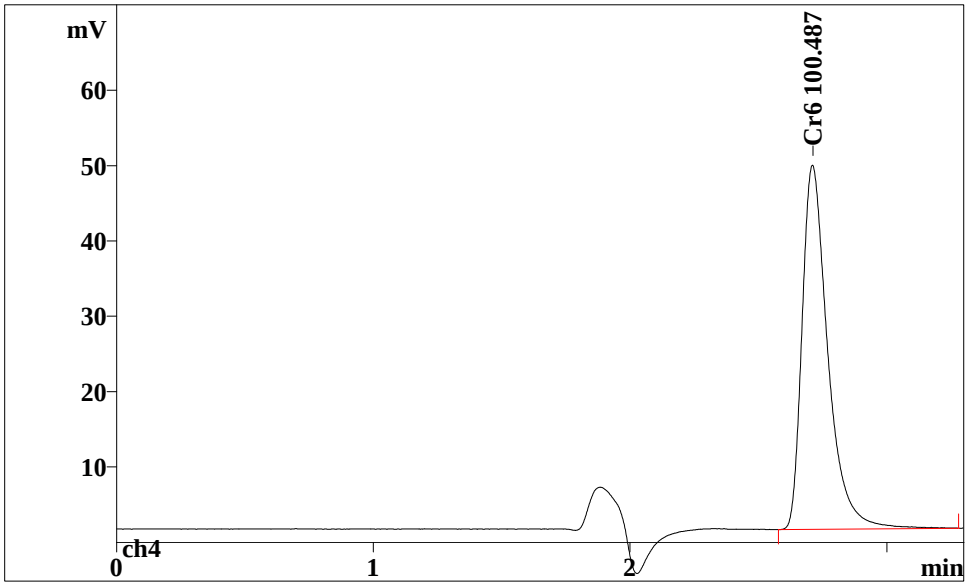
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17687

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.102;	48.38;	100.05;	338.553;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 11:51:56 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-12-A@10
Analysis from: 8/20/2009 9:20:21 PM
File: t8202120.chw Last save: 8/27/2009 11:46:24 AM

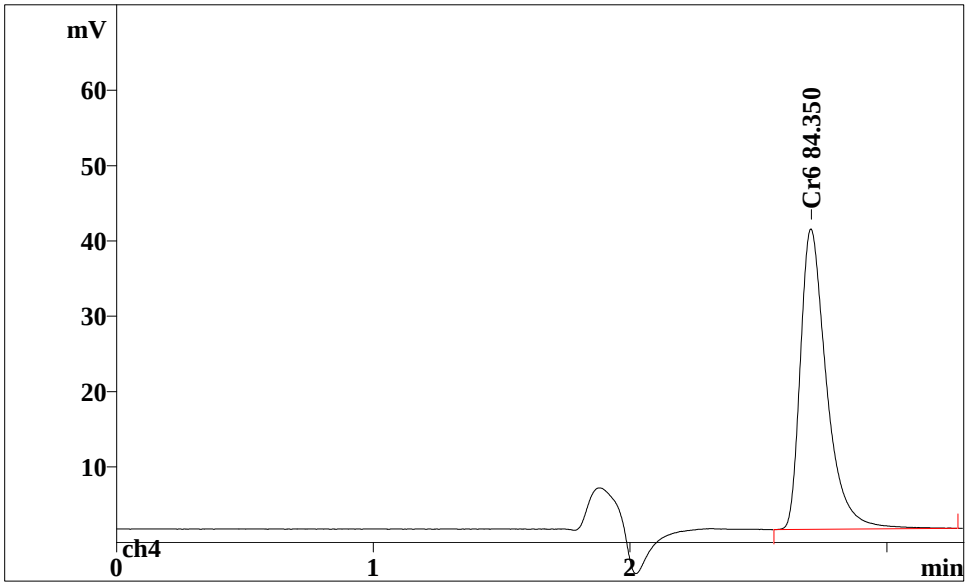
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17688

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.104;	39.91;	100.01;	283.879;	100.00;	0.00;	0.00;	32

Report date: 8/27/2009 11:52:00 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-12-A@10
Analysis from: 8/20/2009 9:27:32 PM
File: t8202127.chw Last save: 8/27/2009 11:46:24 AM

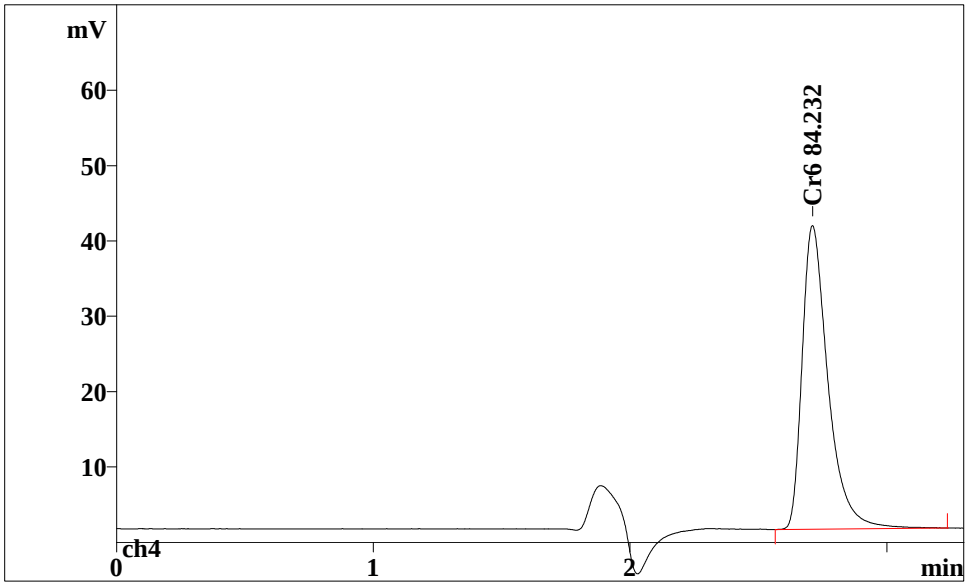
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17689

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.103;	40.34;	100.03;	283.479;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 11:52:03 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-13-A@10
Analysis from: 8/20/2009 9:34:43 PM
File: t8202134.chw Last save: 8/27/2009 11:46:24 AM

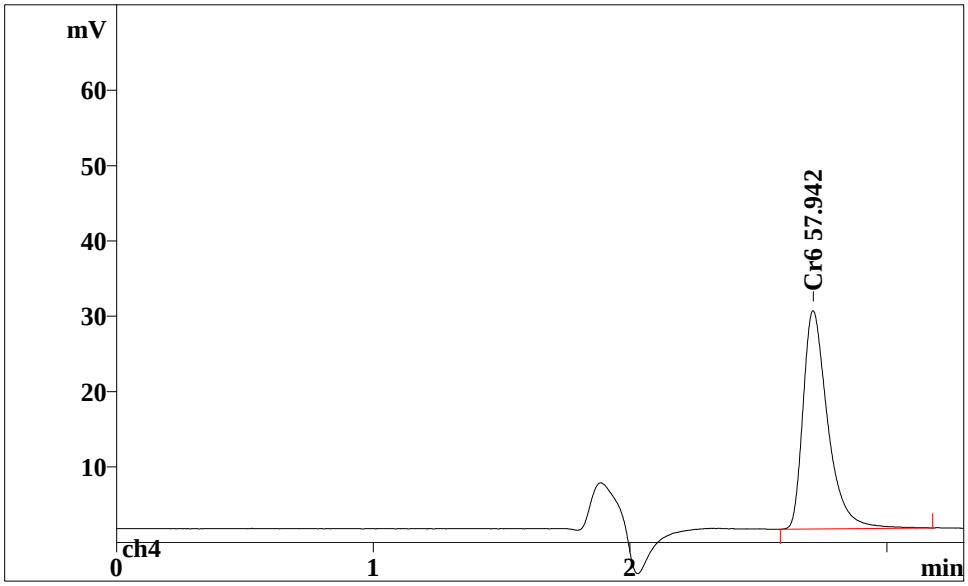
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17690

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: 7.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.098;	29.01;	100.00;	194.402;	100.00;	0.00;	0.00;	37

Report date: 8/27/2009 11:52:07 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-13-A@10
Analysis from: 8/20/2009 9:41:55 PM
File: t8202141.chw Last save: 8/27/2009 11:46:24 AM

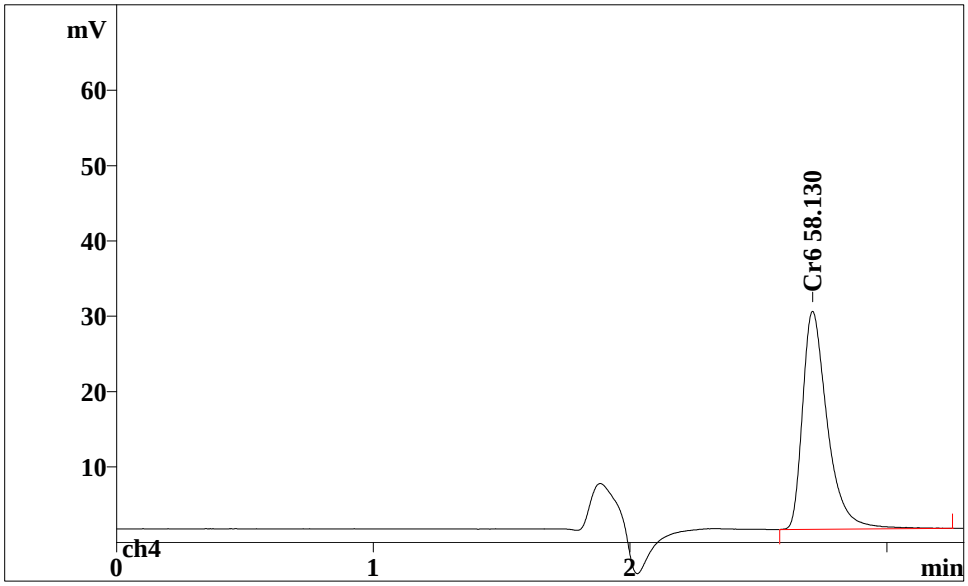
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17691

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.098;	28.97;	99.99;	195.040;	100.00;	0.00;	0.00;	36

Report date: 8/27/2009 11:52:11 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-14-A@10
Analysis from: 8/20/2009 9:49:07 PM
File: t8202149.chw Last save: 8/27/2009 11:46:25 AM

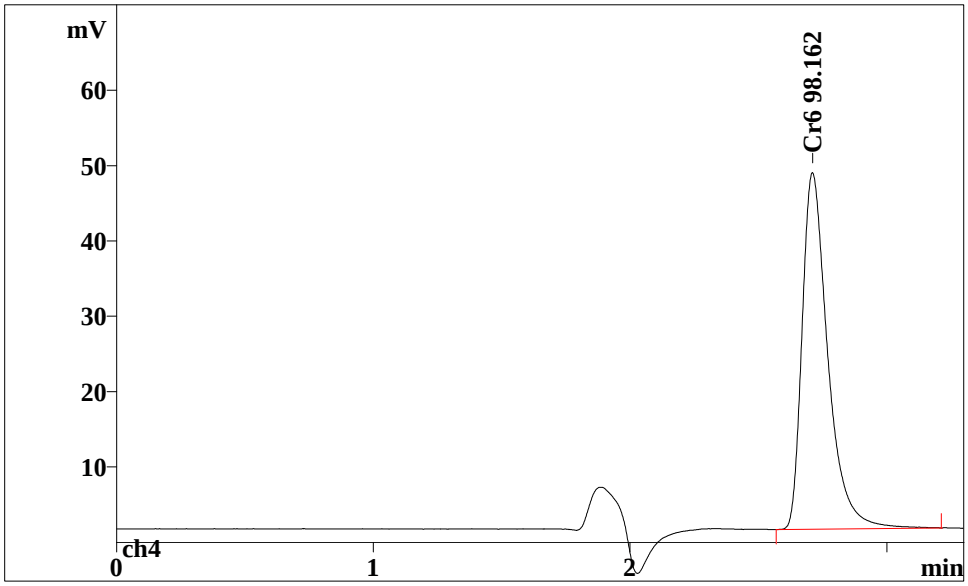
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17692

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.102;	47.37;	100.00;	330.676;	100.00;	0.00;	0.00;	34

Report date: 8/27/2009 11:52:14 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-14-A@10
Analysis from: 8/20/2009 9:56:20 PM
File: t8202156.chw Last save: 8/27/2009 11:46:25 AM

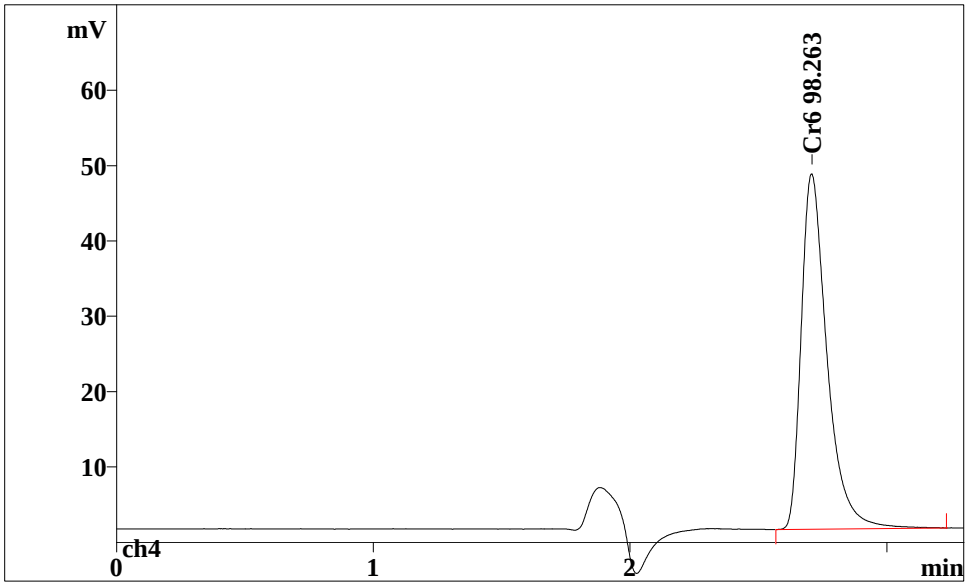
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17693

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.103;	47.21;	100.06;	331.019;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 11:52:18 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 8/20/2009 10:03:35 PM
File: t8202203.chw Last save: 8/27/2009 11:46:25 AM

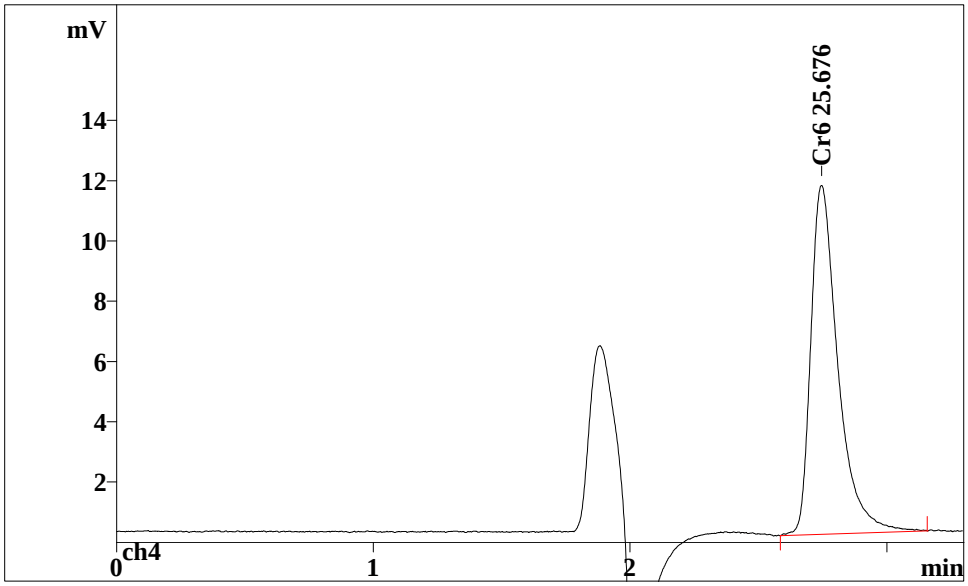
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17694

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.75;	0.107;	11.59;	100.01;	85.080;	100.00;	0.00;	0.00;	31

Report date: 8/27/2009 11:52:22 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 8/20/2009 10:10:49 PM
File: t8202210.chw Last save: 8/27/2009 11:46:25 AM

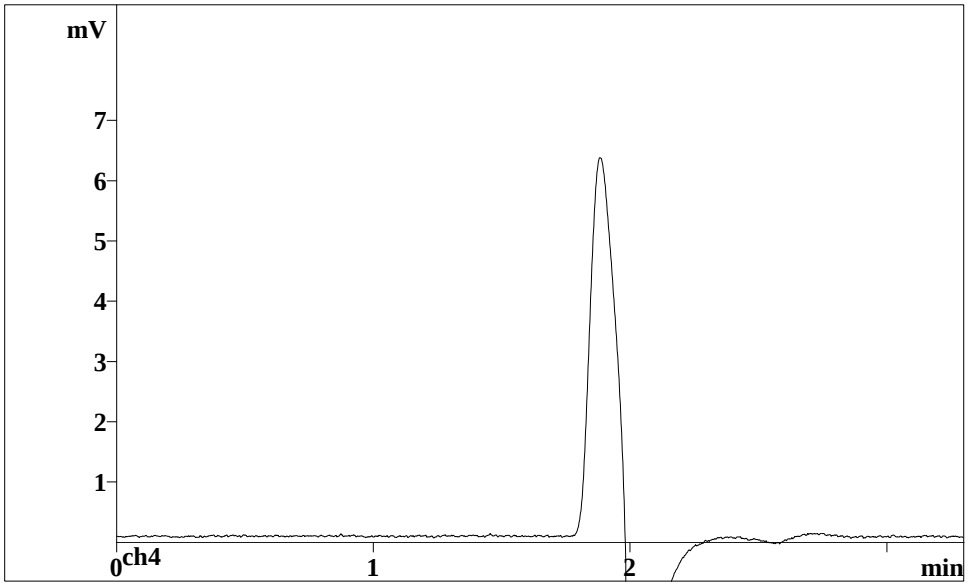
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17695

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: 7.6 MPa



No peaks

Report date: 8/27/2009 11:52:27 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-15-A@10
Analysis from: 8/20/2009 10:18:05 PM
File: t8202218.chw Last save: 8/27/2009 11:46:26 AM

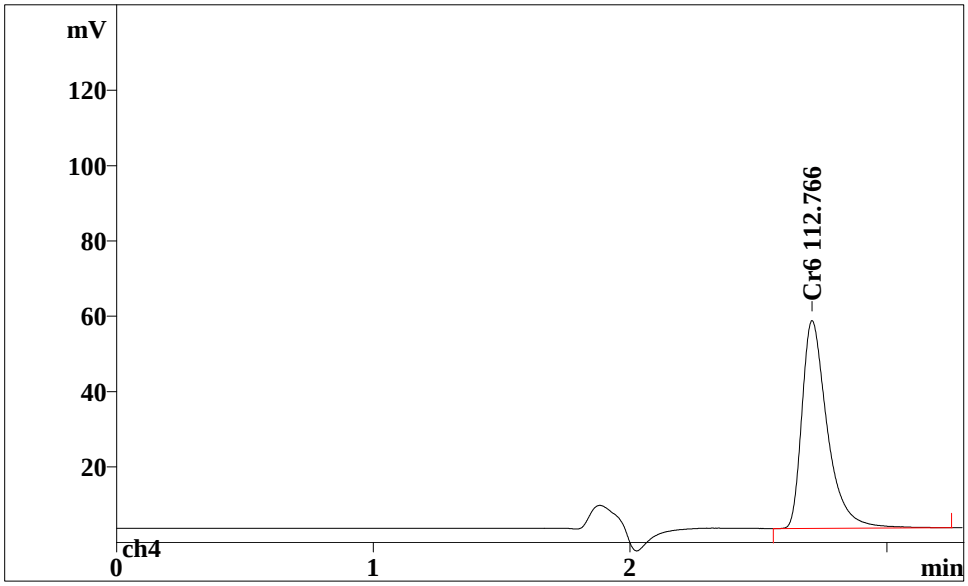
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17696

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.100;	55.21;	99.99;	380.156;	100.00;	0.00;	0.00;	35

Report date: 8/27/2009 11:52:30 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-15-A@10
Analysis from: 8/20/2009 10:25:21 PM
File: t8202225.chw Last save: 8/27/2009 11:46:26 AM

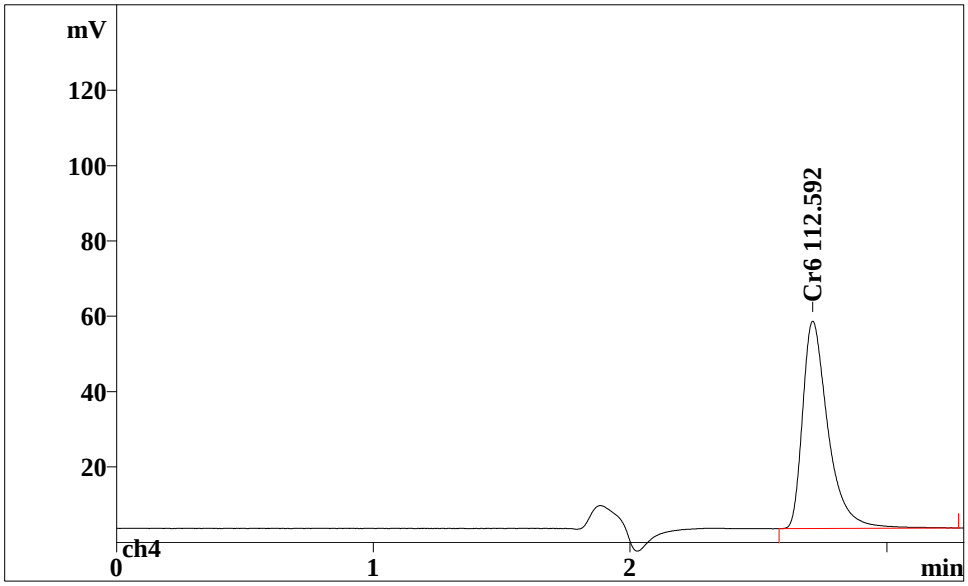
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17697

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.100;	55.11;	100.03;	379.566;	100.00;	0.00;	0.00;	35

Report date: 8/27/2009 11:52:34 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-15-B DU@10
Analysis from: 8/20/2009 10:32:38 PM
File: t8202232.chw Last save: 8/27/2009 11:46:26 AM

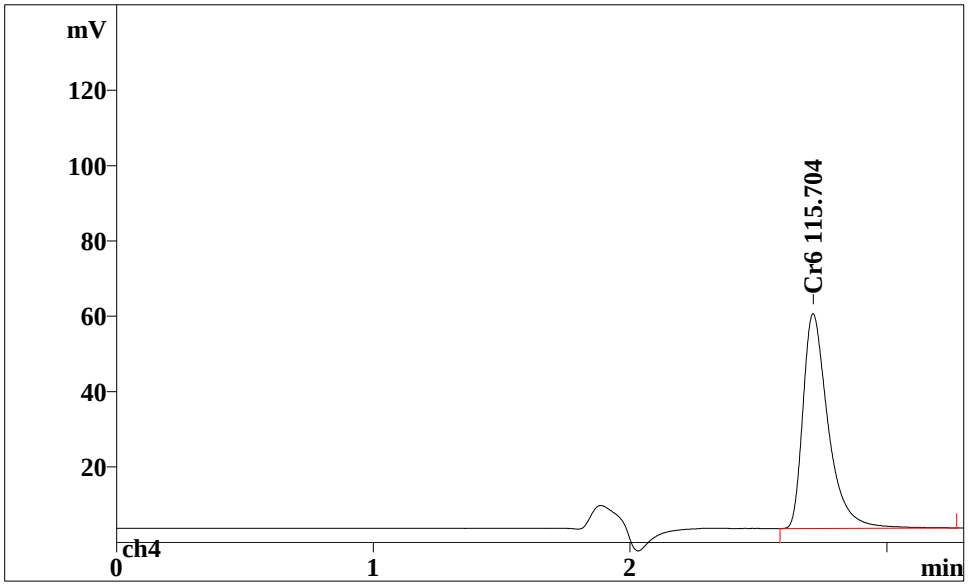
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17698

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.099;	57.08;	100.01;	390.112;	100.00;	0.00;	0.00;	35

Report date: 8/27/2009 11:52:37 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-15-B DU@10
Analysis from: 8/20/2009 10:39:55 PM
File: t8202239.chw Last save: 8/27/2009 11:46:26 AM

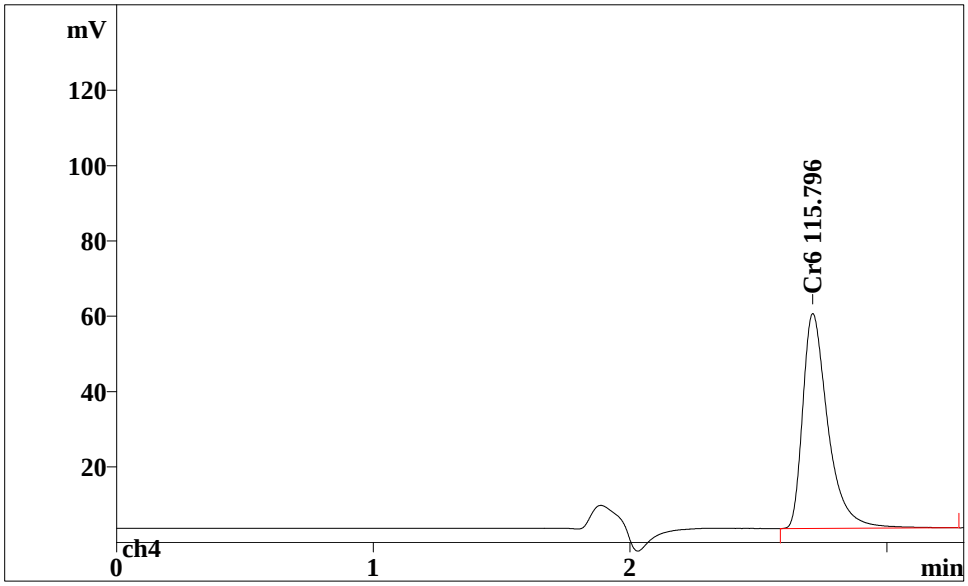
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17699

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.099;	57.11;	100.07;	390.422;	100.00;	0.00;	0.00;	35

Report date: 8/27/2009 11:52:50 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-18-A@10
Analysis from: 8/20/2009 11:16:28 PM
File: t8202316.chw Last save: 8/27/2009 11:46:27 AM

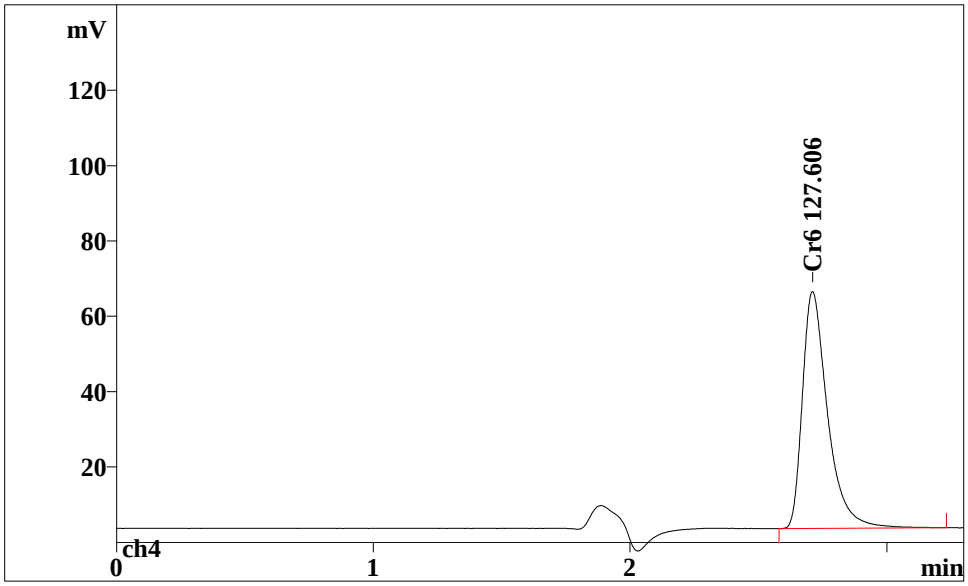
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17704

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.100;	62.95;	100.00;	430.437;	100.00;	0.00;	0.00;	35

Report date: 8/27/2009 11:52:59 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-16-A@10
Analysis from: 8/20/2009 10:47:14 PM
File: t8202247.chw Last save: 8/27/2009 11:46:27 AM

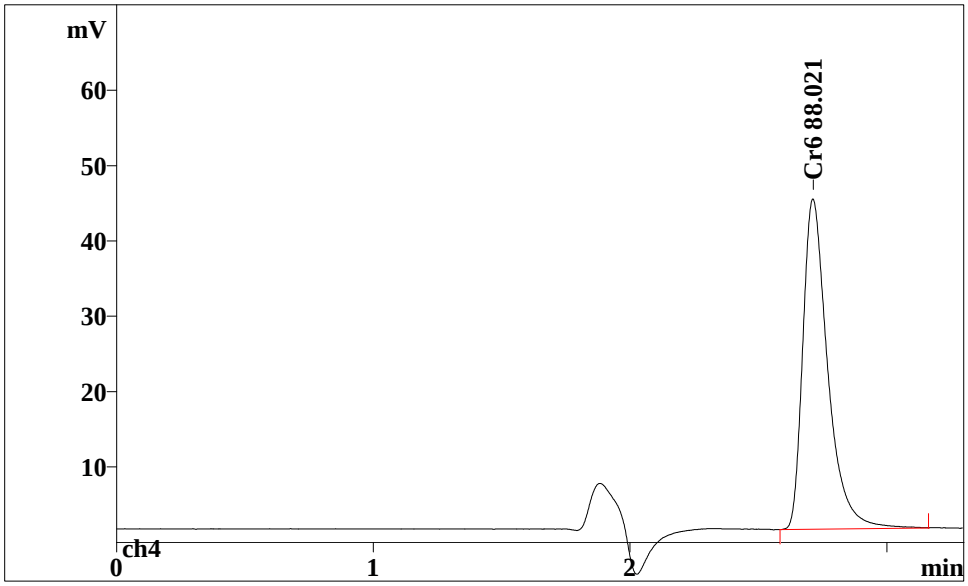
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17700

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.099;	43.88;	100.05;	296.315;	100.00;	0.00;	0.00;	36

Report date: 8/27/2009 11:53:02 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-16-A@10
Analysis from: 8/20/2009 10:54:32 PM
File: t8202254.chw Last save: 8/27/2009 11:46:27 AM

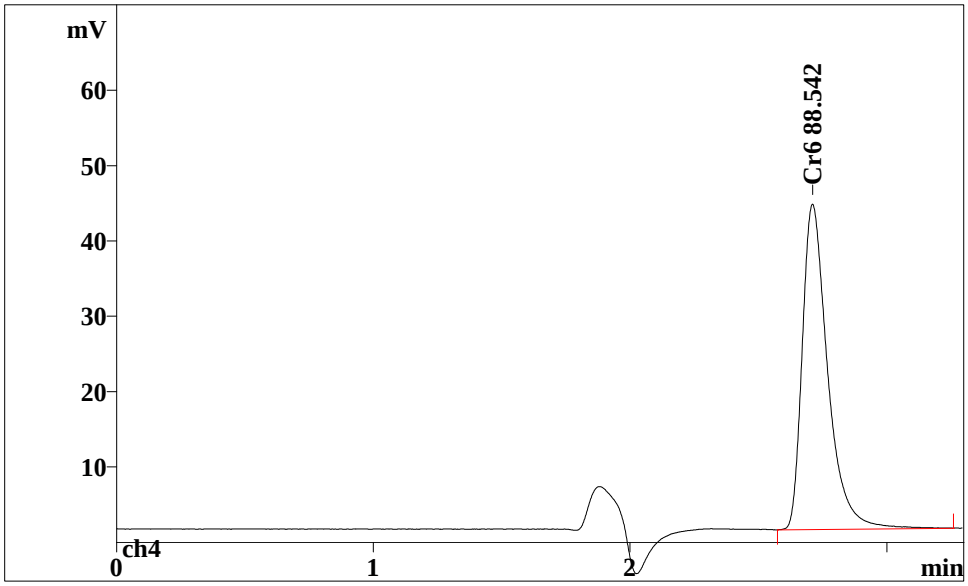
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17701

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.101;	43.19;	100.01;	298.080;	100.00;	0.00;	0.00;	34

Report date: 8/27/2009 11:53:07 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-17-A@10
Analysis from: 8/20/2009 11:01:51 PM
File: t8202301.chw Last save: 8/27/2009 11:46:27 AM

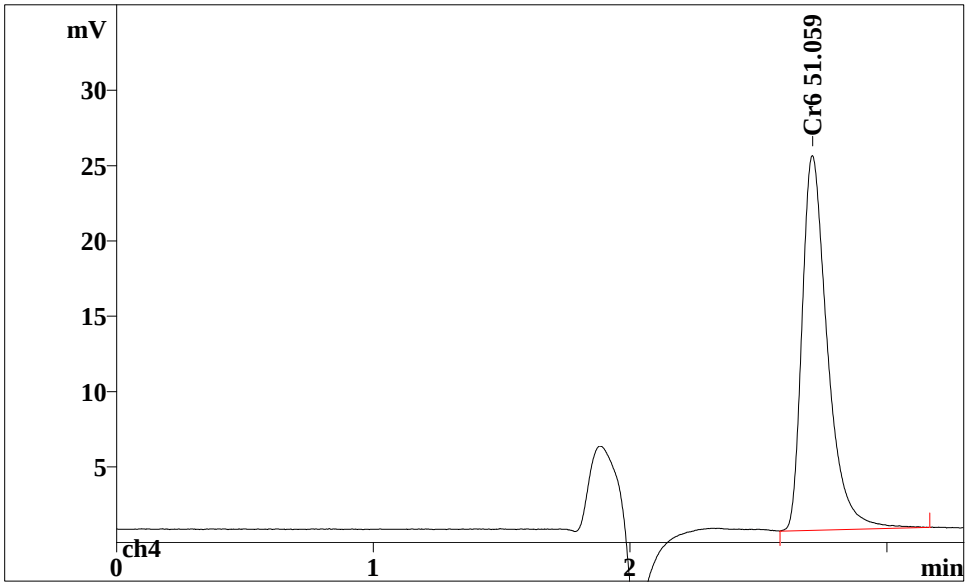
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17702

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: 7.6 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;
1;	2.71;	0.101;	24.89;	100.01;	171.081;	100.00;	0.00;	0.00; 35

Report date: 8/27/2009 11:53:14 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-17-A@10
Analysis from: 8/20/2009 11:09:09 PM
File: t8202309.chw Last save: 8/27/2009 11:46:27 AM

Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17703

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: 7.6 MPa

No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.099;	25.24;	100.00;	171.395;	100.00;	0.00;	0.00;	35

Report date: 8/27/2009 11:53:17 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-18-A@10
Analysis from: 8/20/2009 11:23:46 PM
File: t8202323.chw Last save: 8/27/2009 11:46:28 AM

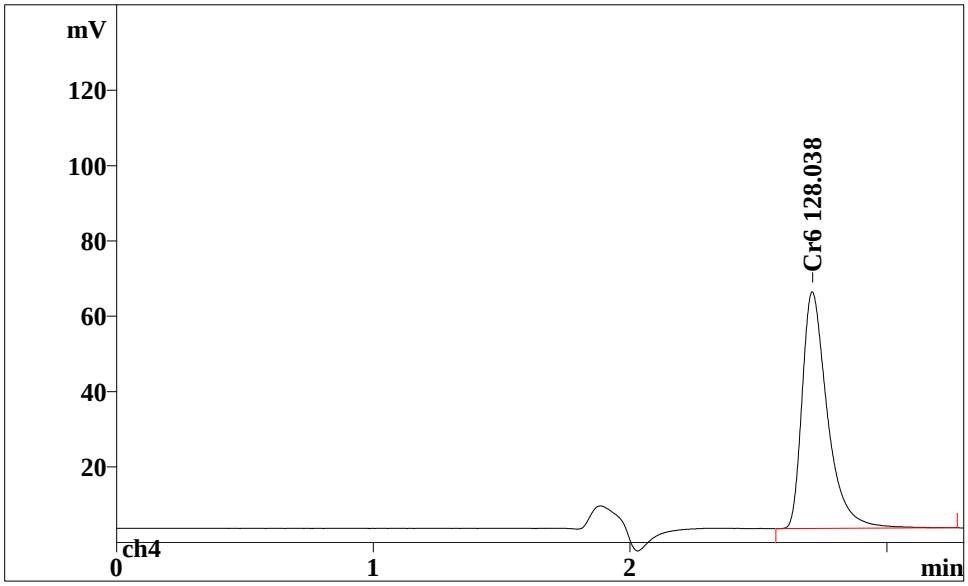
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17705

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.100;	62.88;	100.00;	431.902;	100.00;	0.00;	0.00;	35

Report date: 8/27/2009 11:53:27 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 8/20/2009 11:31:05 PM
File: t8202331.chw Last save: 8/27/2009 11:46:28 AM

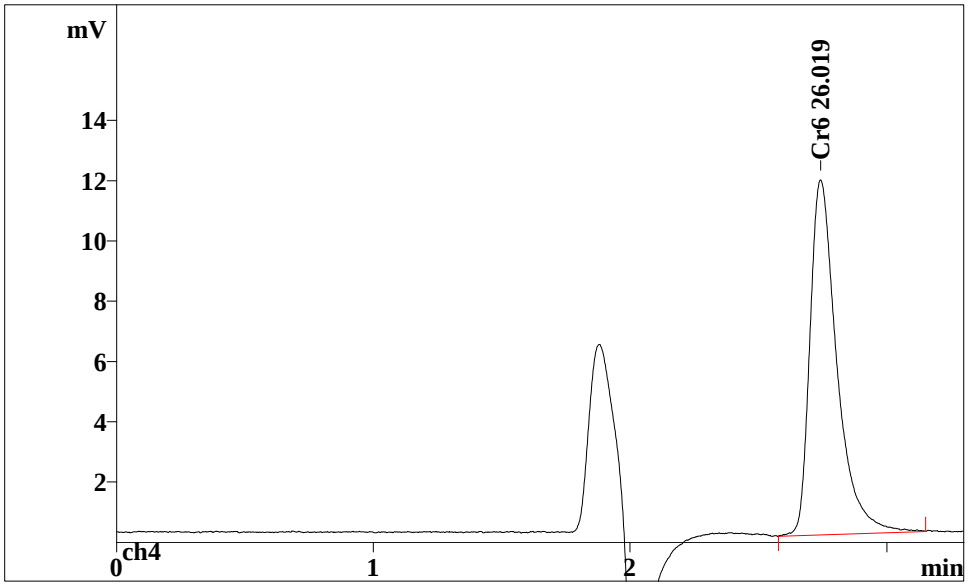
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17706

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.106;	11.79;	100.02;	86.242;	100.00;	0.00;	0.00;	31

Report date: 8/27/2009 11:53:31 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 8/20/2009 11:38:23 PM
File: t8202338.chw Last save: 8/27/2009 11:46:28 AM

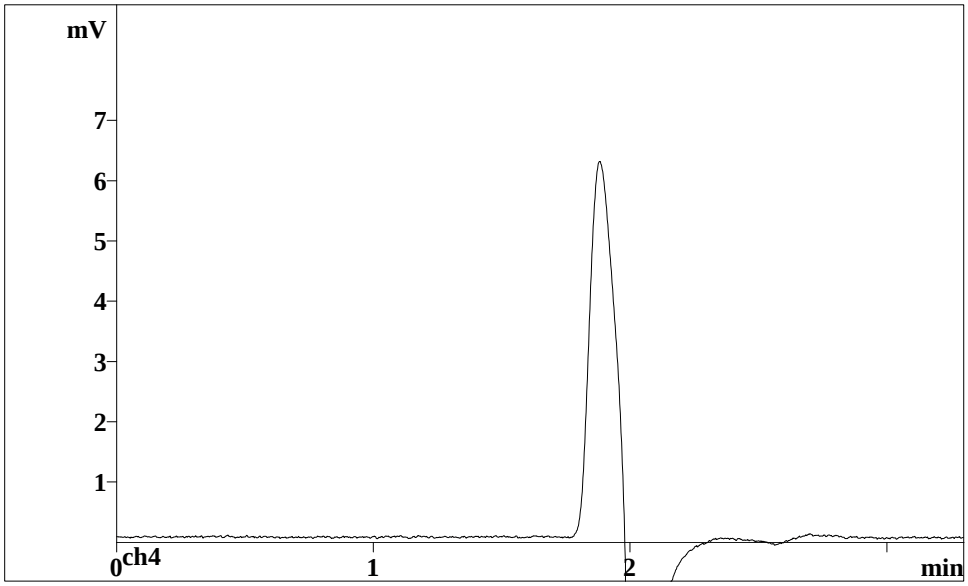
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17707

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: 7.6 MPa



No peaks

Report date: 8/27/2009 11:53:35 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-19-A@10
Analysis from: 8/20/2009 11:45:42 PM
File: t8202345.chw Last save: 8/27/2009 11:46:28 AM

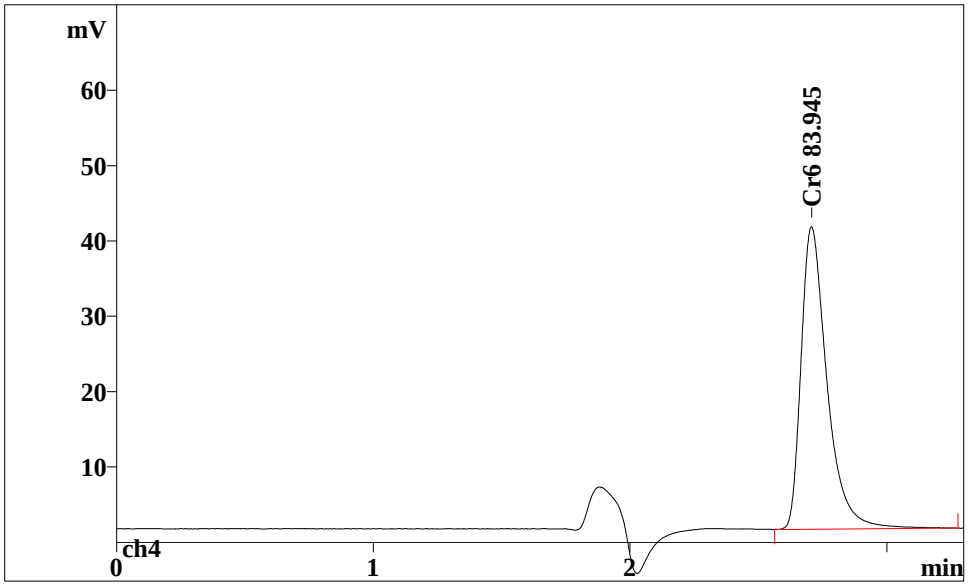
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17708

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.103;	40.16;	100.00;	282.506;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 11:53:38 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-20-A@10
Analysis from: 8/20/2009 11:53:00 PM
File: t8202353.chw Last save: 8/27/2009 11:46:28 AM

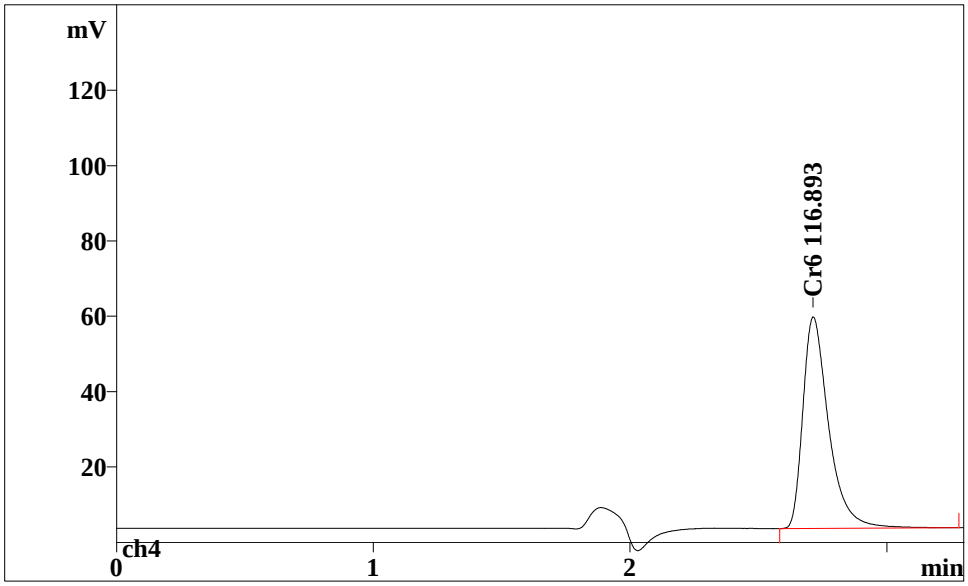
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17709

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.102;	56.23;	100.05;	394.139;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 11:53:43 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-20-A@10
Analysis from: 8/21/2009 12:00:18 AM
File: t8210000.chw Last save: 8/27/2009 11:46:29 AM

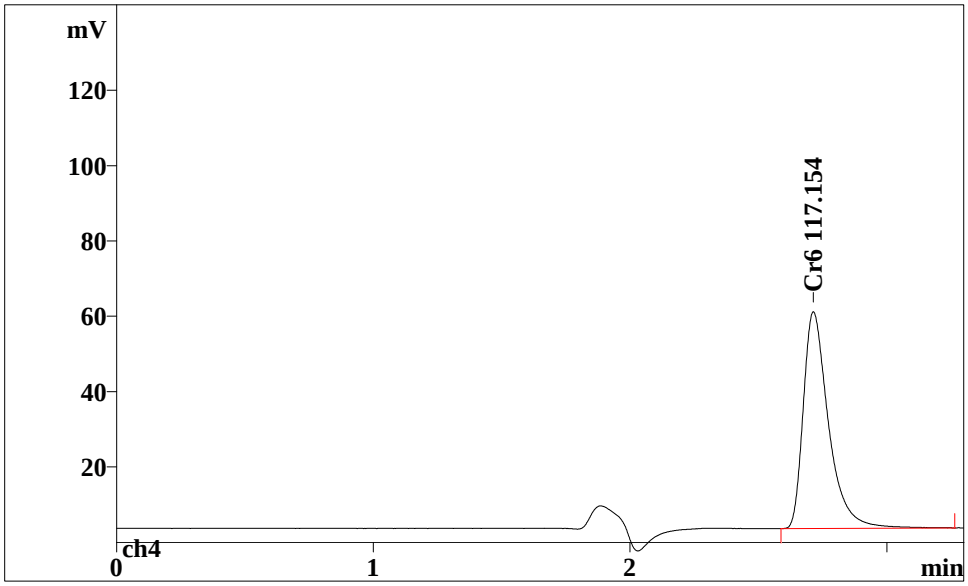
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17710

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.100;	57.61;	100.01;	395.026;	100.00;	0.00;	0.00;	35

Report date: 8/27/2009 11:53:46 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-1-E PDS
Analysis from: 8/21/2009 12:07:34 AM
File: t8210007.chw Last save: 8/27/2009 11:46:29 AM

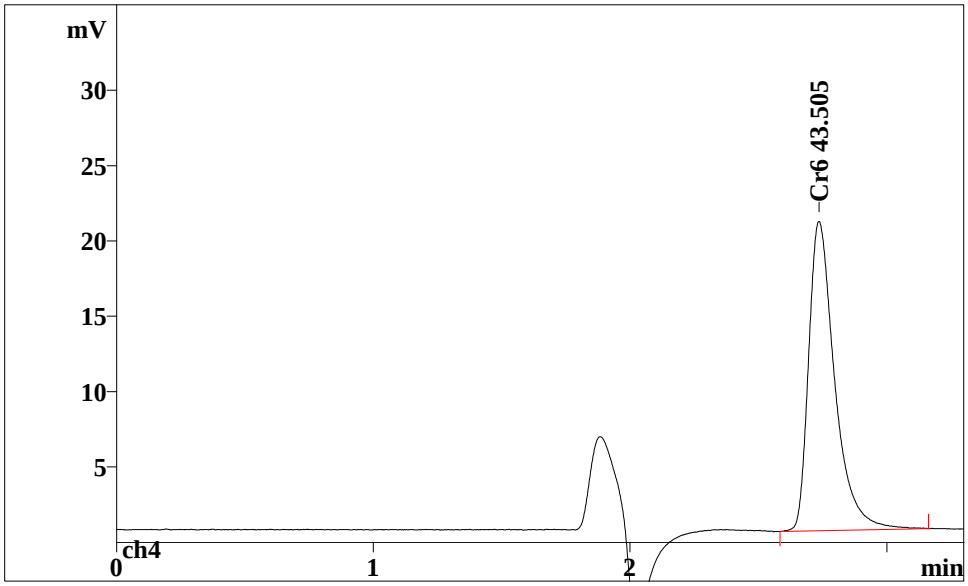
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17711

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: 7.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.103;	20.55;	100.05;	145.488;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 11:53:49 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-1-E PDS
Analysis from: 8/21/2009 12:14:50 AM
File: t8210014.chw Last save: 8/27/2009 11:46:29 AM

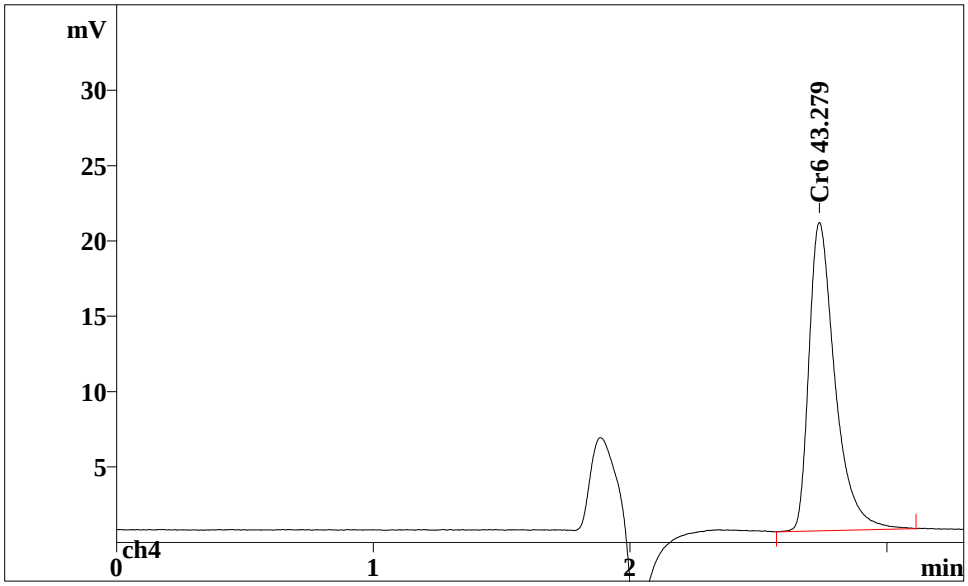
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17712

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.103;	20.48;	100.01;	144.721;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 11:53:53 AM
Printed by: TestAmerica - Edison

Ident: MB 460-14810/1-A@10
Analysis from: 8/21/2009 12:22:05 AM
File: t8210022.chw Last save: 8/27/2009 11:46:29 AM

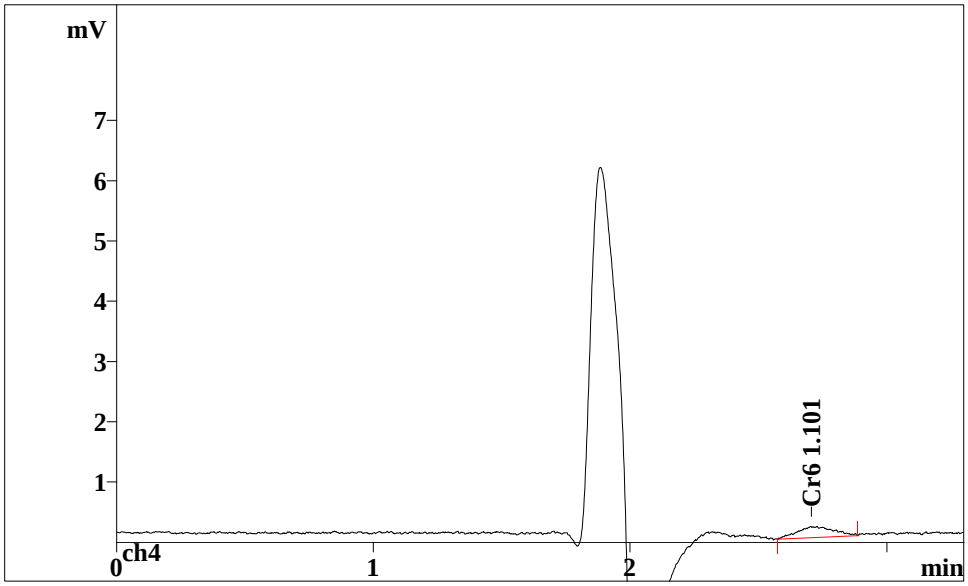
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17713

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.164;	0.18;	95.12;	1.815;	100.00;	0.00;	0.00;	18

Report date: 8/27/2009 11:53:57 AM
Printed by: TestAmerica - Edison

Ident: MB 460-14810/1-A@10
Analysis from: 8/21/2009 12:29:20 AM
File: t8210029.chw Last save: 8/27/2009 11:46:30 AM

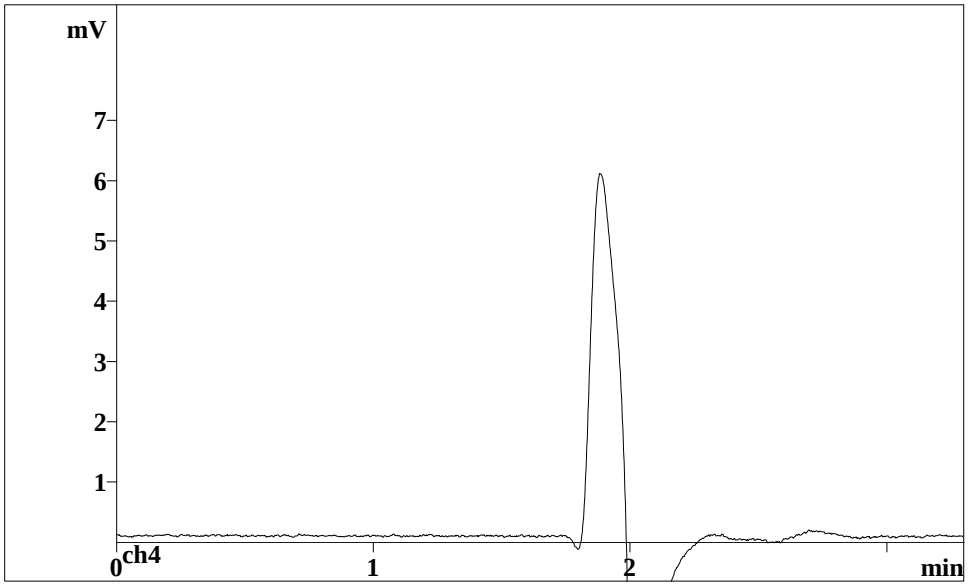
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17714

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: 7.6 MPa



No peaks

Report date: 8/27/2009 11:54:01 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-14810/2-A@10
Analysis from: 8/21/2009 12:36:34 AM
File: t8210036.chw Last save: 8/27/2009 11:46:30 AM

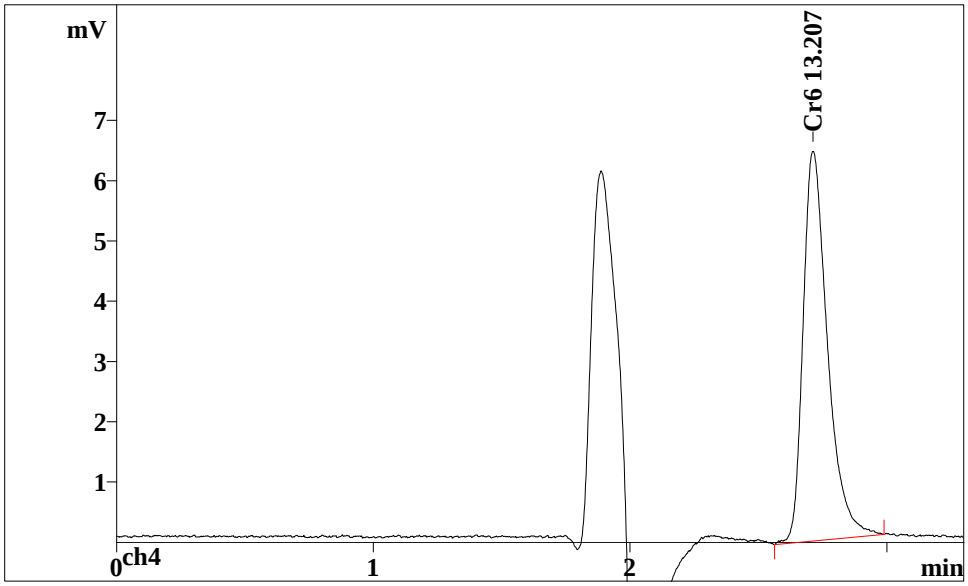
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17715

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.098;	6.47;	100.01;	42.831;	100.00;	0.00;	0.00;	38

Report date: 8/27/2009 11:54:05 AM
Printed by: TestAmerica - Edison

Ident: LCS 460-14810/2-A@10
Analysis from: 8/21/2009 12:43:47 AM
File: t8210043.chw Last save: 8/27/2009 11:46:30 AM

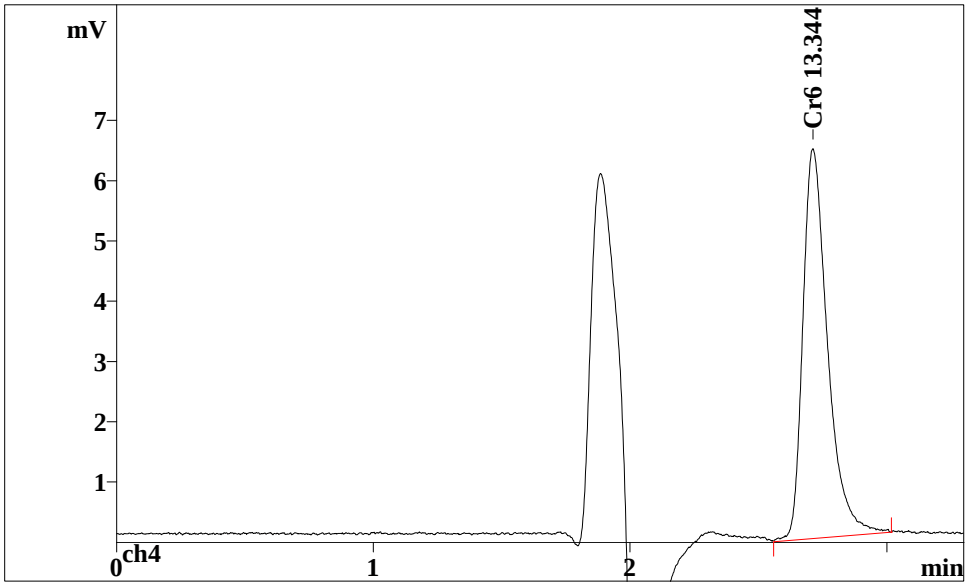
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17716

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.099;	6.47;	100.01;	43.295;	100.00;	0.00;	0.00;	37

Report date: 8/27/2009 11:54:09 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-14810/3-A@500
Analysis from: 8/21/2009 12:50:59 AM
File: t8210050.chw Last save: 8/27/2009 11:46:30 AM

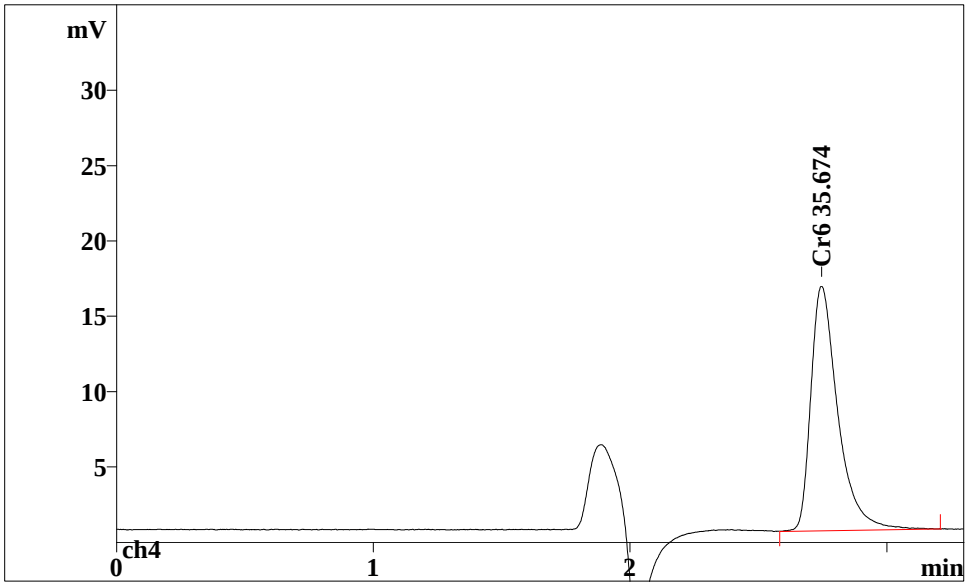
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17717

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.75;	0.107;	16.24;	100.03;	118.956;	100.00;	0.00;	0.00;	31

Report date: 8/27/2009 11:54:15 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 8/21/2009 12:58:12 AM
File: t8210058.chw Last save: 8/27/2009 11:46:30 AM

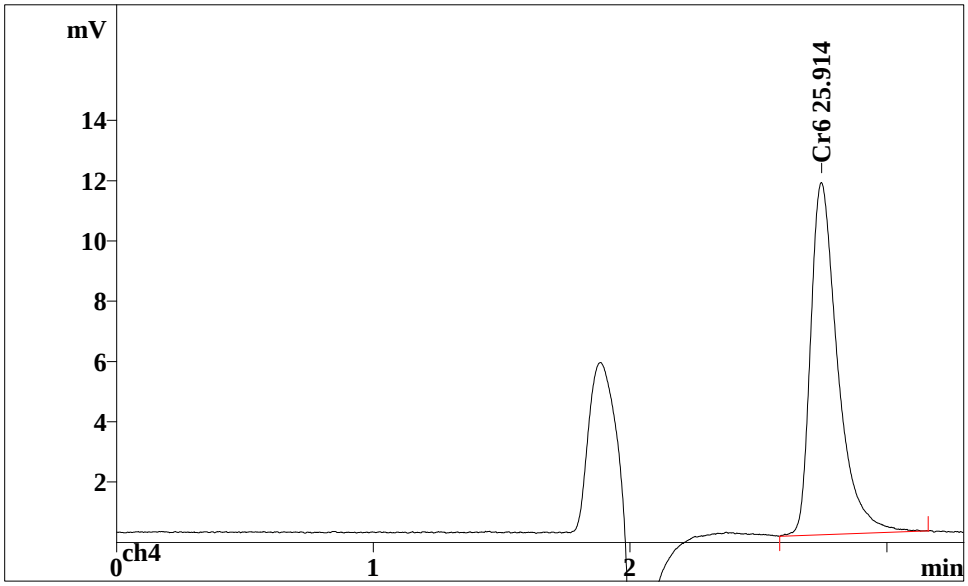
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17718

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.75;	0.107;	11.70;	100.00;	85.886;	100.00;	0.00;	0.00;	31

Report date: 8/27/2009 11:54:18 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 8/21/2009 1:05:23 AM
File: t8210105.chw Last save: 8/27/2009 11:46:31 AM

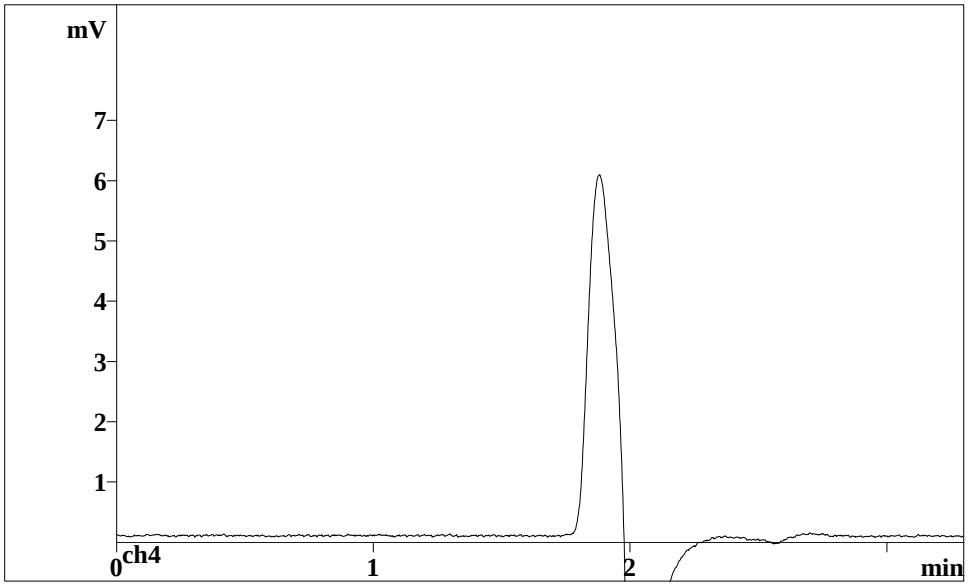
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17719

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: 7.7 MPa



No peaks

Report date: 8/27/2009 11:54:22 AM
Printed by: TestAmerica - Edison

Ident: 460-4810-A-2-A DU@10
Analysis from: 8/21/2009 1:12:33 AM
File: t8210112.chw Last save: 8/27/2009 11:46:31 AM

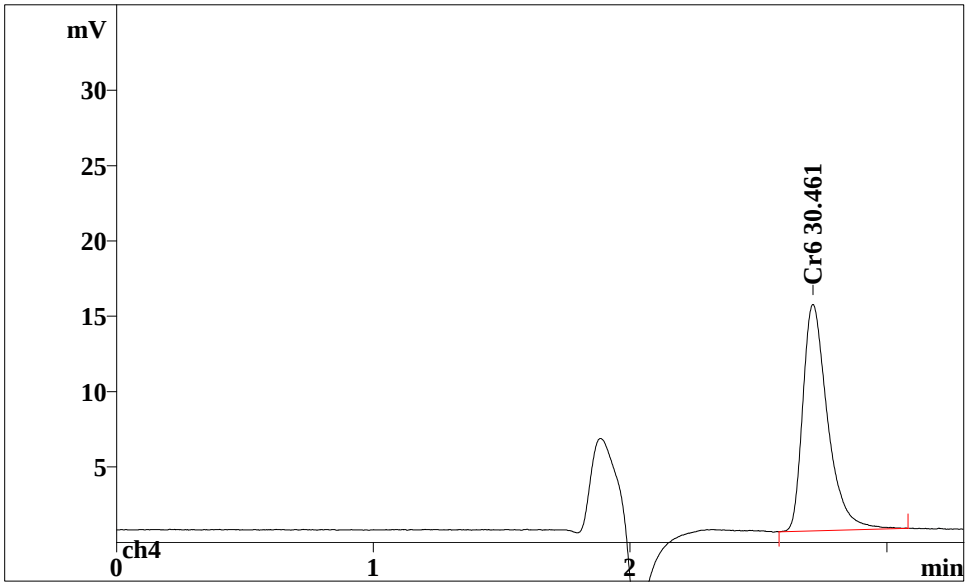
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17720

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.099;	15.05;	100.00;	101.292;	100.00;	0.00;	0.00;	36

Report date: 8/27/2009 11:54:25 AM
Printed by: TestAmerica - Edison

Ident: 460-4810-A-2-A DU@10
Analysis from: 8/21/2009 1:19:43 AM
File: t8210119.chw Last save: 8/27/2009 11:46:31 AM

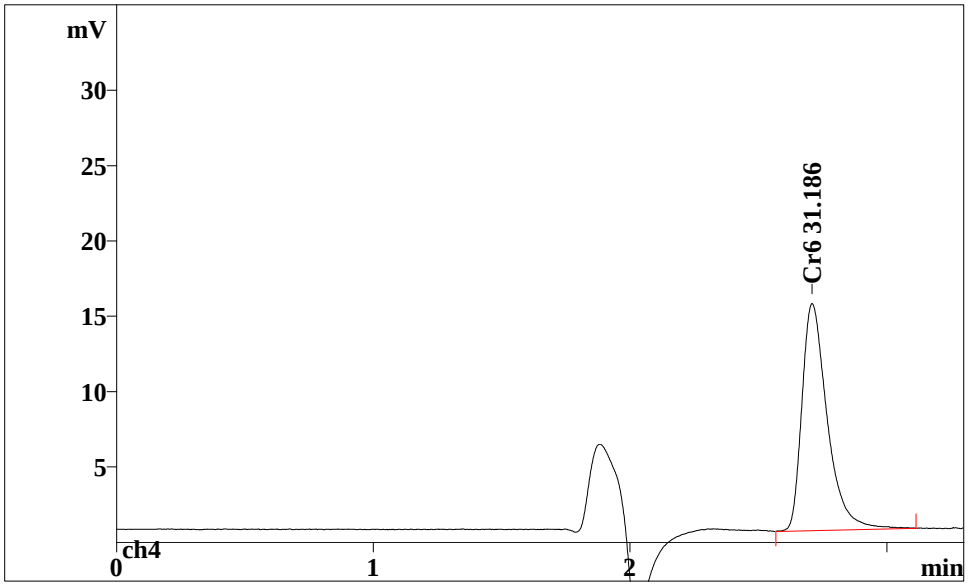
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17721

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.101;	15.08;	99.95;	103.750;	100.00;	0.00;	0.00;	35

Report date: 8/27/2009 11:54:29 AM
Printed by: TestAmerica - Edison

Ident: 460-4810-A-2-B MS@40
Analysis from: 8/21/2009 1:26:52 AM
File: t8210126.chw Last save: 8/27/2009 11:46:31 AM

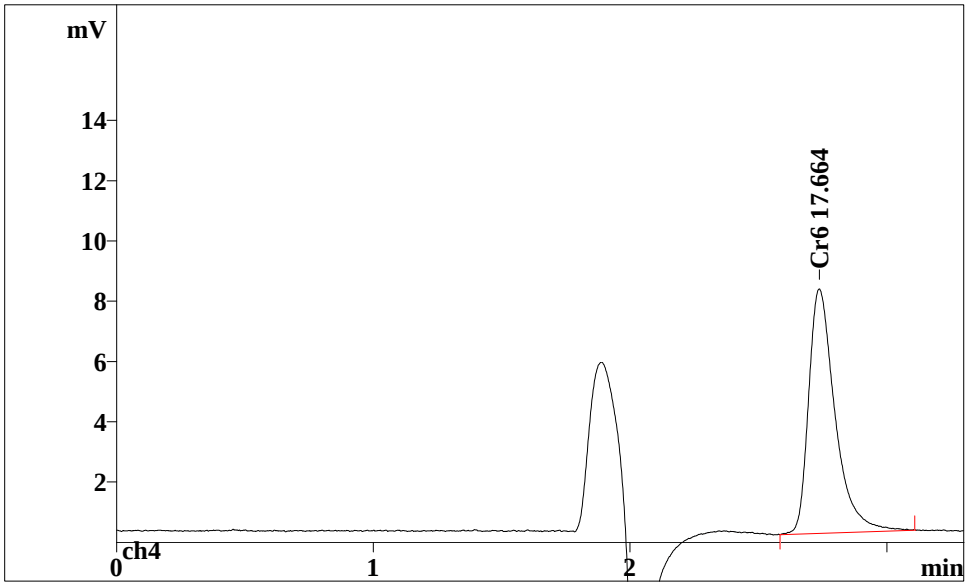
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17722

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.105;	8.11;	100.00;	57.935;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 11:54:33 AM
Printed by: TestAmerica - Edison

Ident: 460-4810-A-2-B MS@40
Analysis from: 8/21/2009 1:34:00 AM
File: t8210134.chw Last save: 8/27/2009 11:46:32 AM

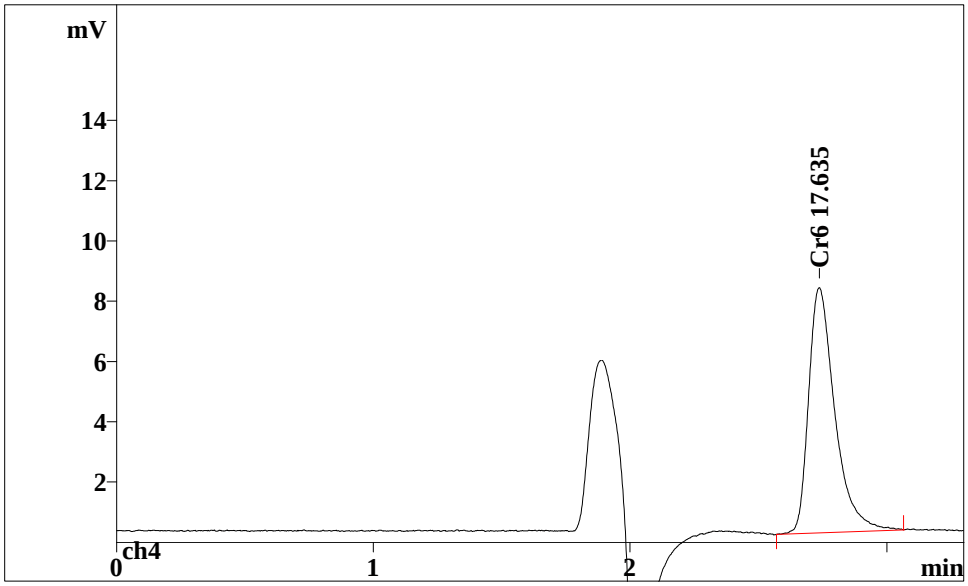
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17723

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.104;	8.14;	99.98;	57.836;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 11:54:38 AM
Printed by: TestAmerica - Edison

Ident: 460-4810-A-2-C MSI@500
Analysis from: 8/21/2009 1:41:11 AM
File: t8210141.chw Last save: 8/27/2009 11:46:32 AM

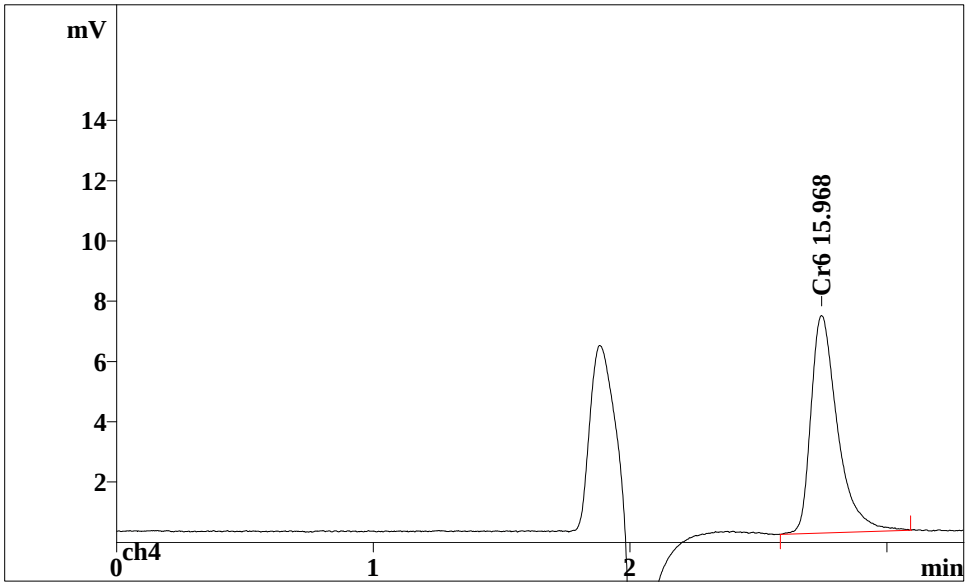
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17724

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.75;	0.105;	7.22;	99.93;	52.186;	100.00;	0.00;	0.00;	32

Report date: 8/27/2009 11:54:43 AM
Printed by: TestAmerica - Edison

Ident: 460-4810-A-2-C MSI@500
Analysis from: 8/21/2009 1:48:19 AM
File: t8210148.chw Last save: 8/27/2009 11:46:32 AM

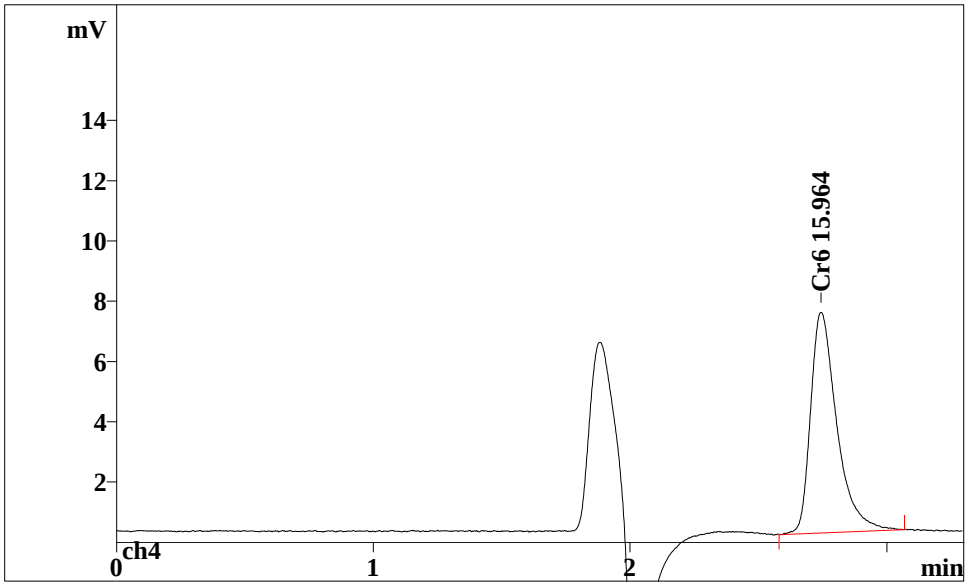
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17725

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.104;	7.34;	99.96;	52.172;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 11:54:46 AM
Printed by: TestAmerica - Edison

Ident: 460-4810-A-2-D@10
Analysis from: 8/21/2009 1:55:28 AM
File: t8210155.chw Last save: 8/27/2009 11:46:32 AM

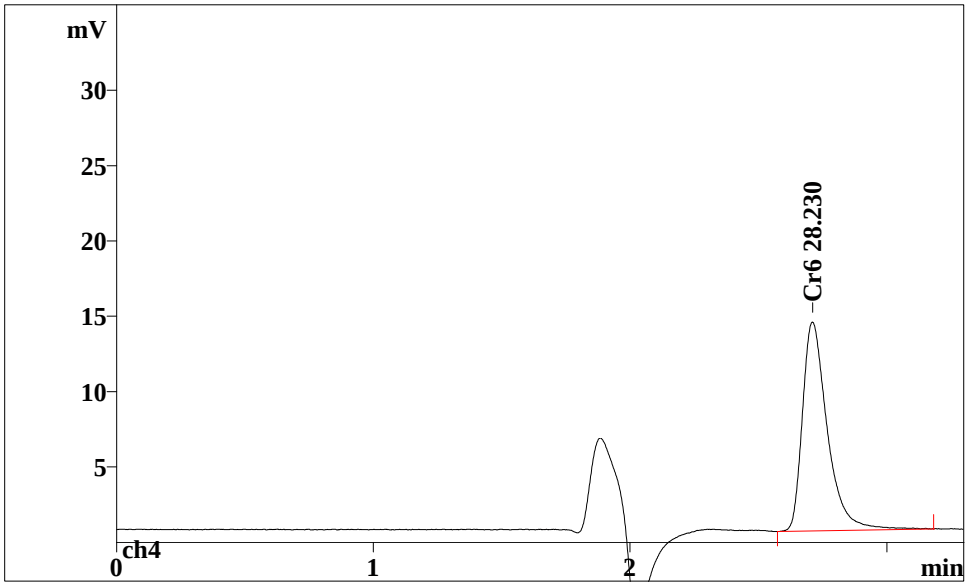
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17726

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.099;	13.87;	100.03;	93.734;	100.00;	0.00;	0.00;	36

Report date: 8/27/2009 11:54:50 AM
Printed by: TestAmerica - Edison

Ident: 460-4810-A-2-D@10
Analysis from: 8/21/2009 2:02:38 AM
File: t8210202.chw Last save: 8/27/2009 11:46:32 AM

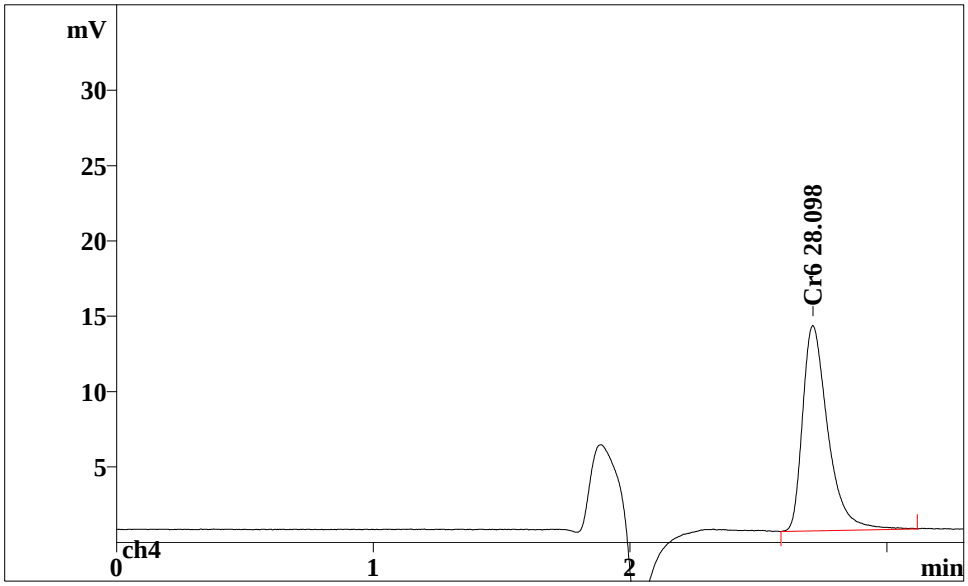
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17727

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.101;	13.63;	99.95;	93.286;	100.00;	0.00;	0.00;	35

Report date: 8/27/2009 11:54:53 AM
Printed by: TestAmerica - Edison

Ident: 460-4810-A-6-A@10
Analysis from: 8/21/2009 2:09:48 AM
File: t8210209.chw Last save: 8/27/2009 11:46:32 AM

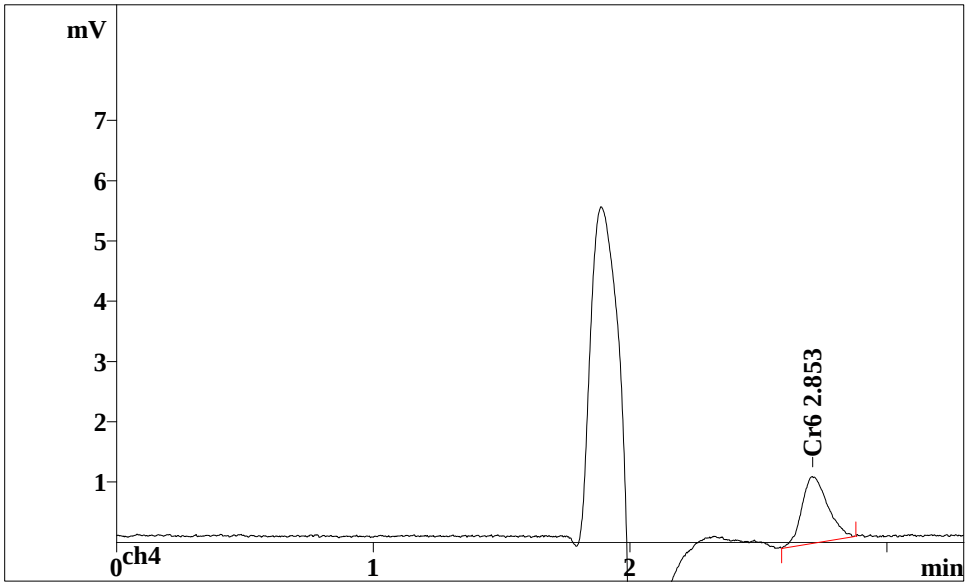
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17728

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.107;	1.11;	99.80;	7.751;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 11:54:57 AM
Printed by: TestAmerica - Edison

Ident: 460-4810-A-6-A@10
Analysis from: 8/21/2009 2:17:00 AM
File: t8210217.chw Last save: 8/27/2009 11:46:33 AM

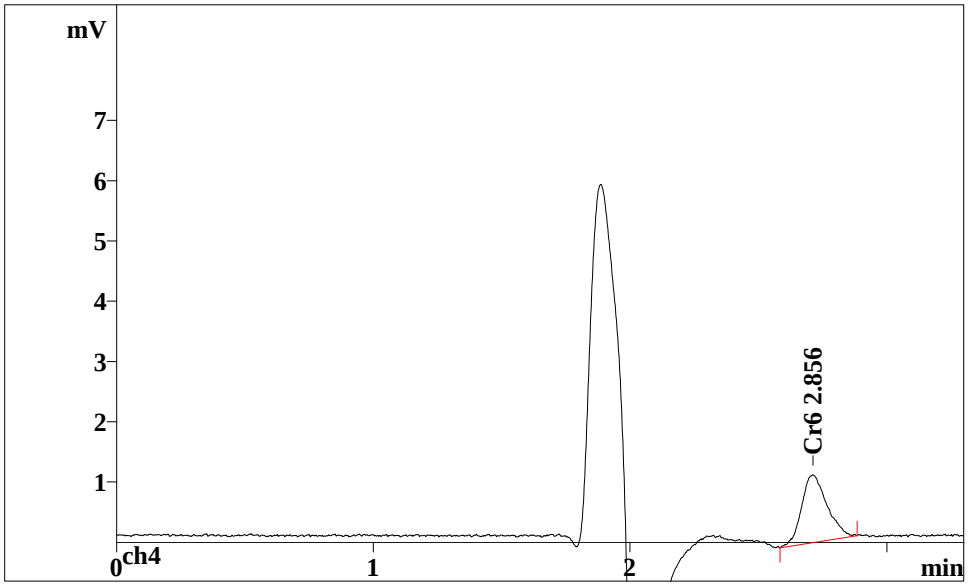
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17729

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.105;	1.12;	99.70;	7.762;	100.00;	0.00;	0.00;	35

Report date: 8/27/2009 11:55:00 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 8/21/2009 2:24:12 AM
File: t8210224.chw Last save: 8/27/2009 11:46:33 AM

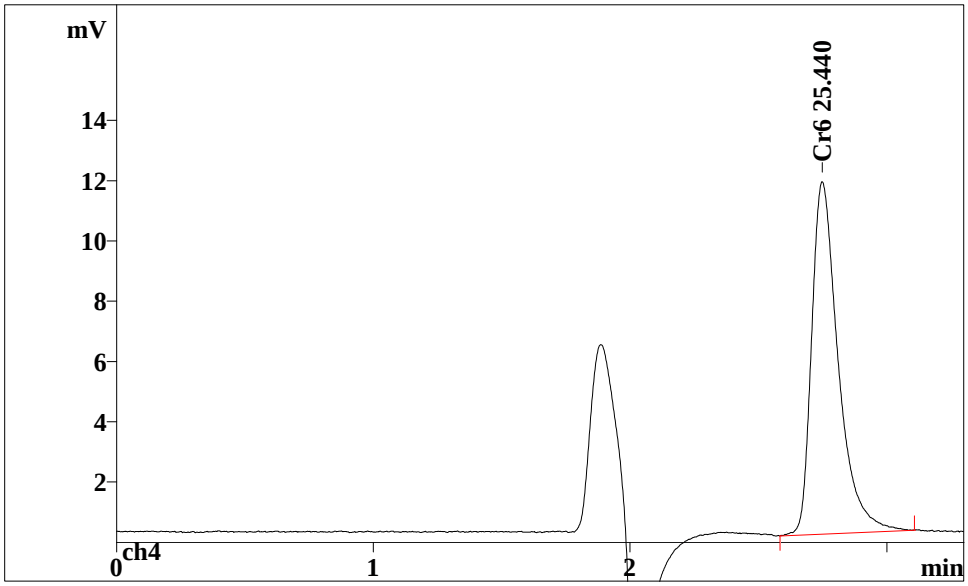
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17730

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.75;	0.106;	11.70;	100.01;	84.280;	100.00;	0.00;	0.00;	32

Report date: 8/27/2009 11:55:06 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 8/21/2009 2:31:25 AM
File: t8210231.chw Last save: 8/27/2009 11:46:33 AM

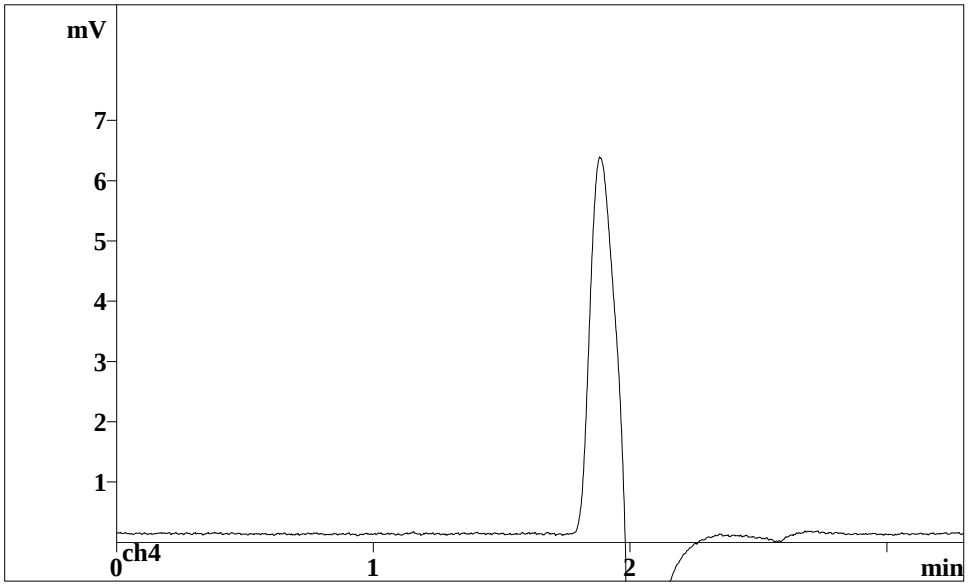
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17731

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: 7.6 MPa



No peaks

Report date: 8/27/2009 11:55:10 AM
Printed by: TestAmerica - Edison

Ident: 460-4810-A-2-E PDS
Analysis from: 8/21/2009 2:38:40 AM
File: t8210238.chw Last save: 8/27/2009 11:46:33 AM

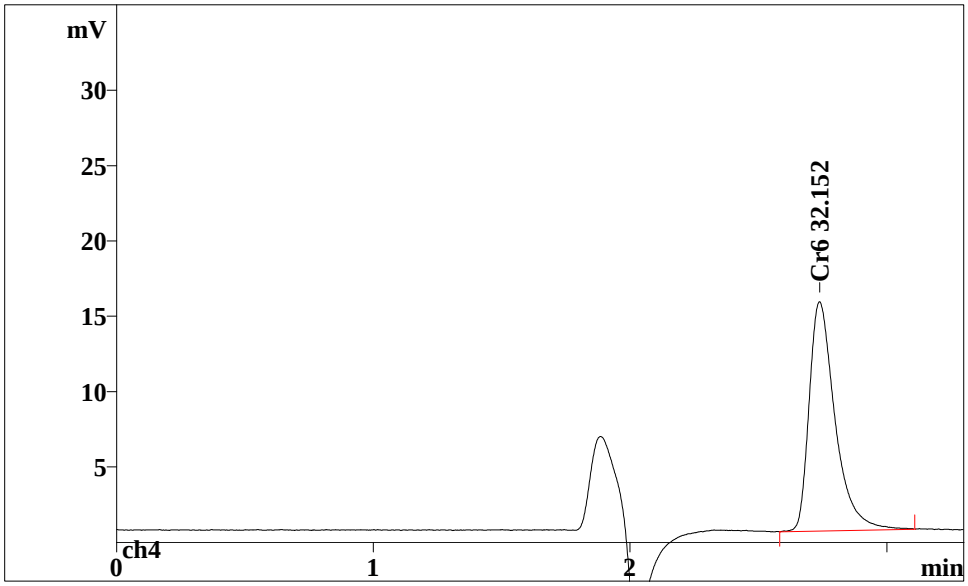
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17732

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.103;	15.23;	99.98;	107.022;	100.00;	0.00;	0.00;	34

Report date: 8/27/2009 11:55:15 AM
Printed by: TestAmerica - Edison

Ident: 460-4810-A-2-E PDS
Analysis from: 8/21/2009 2:45:54 AM
File: t8210245.chw Last save: 8/27/2009 11:46:33 AM

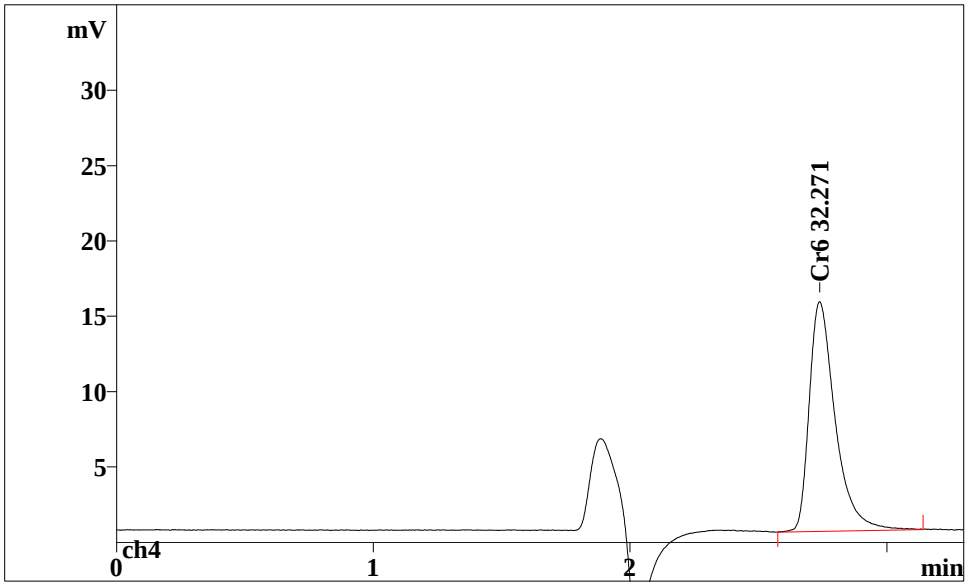
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17733

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.103;	15.25;	100.00;	107.425;	100.00;	0.00;	0.00;	34

Report date: 8/27/2009 11:55:19 AM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-19-A
Analysis from: 8/21/2009 2:53:10 AM
File: t8210253.chw Last save: 8/27/2009 11:46:34 AM

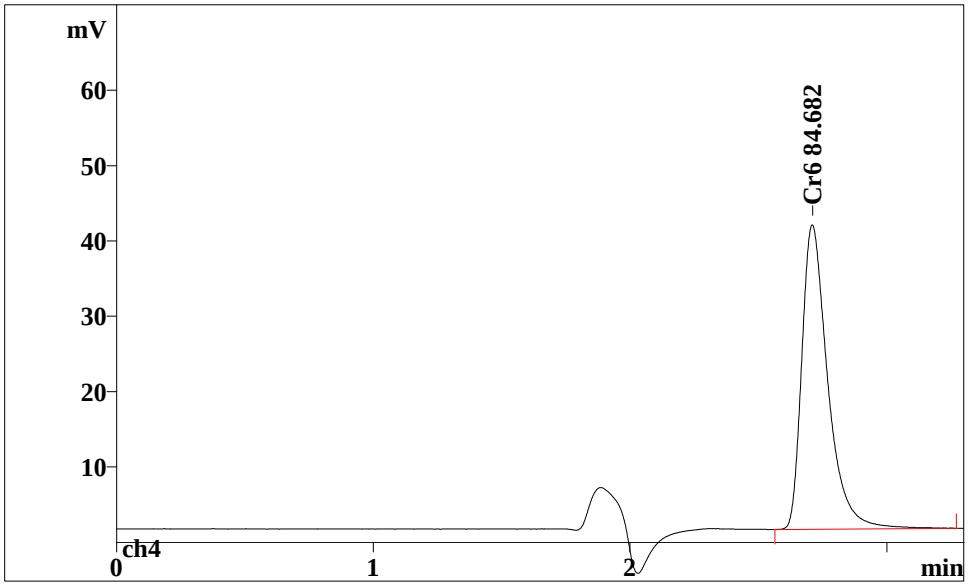
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17734

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.103;	40.42;	100.02;	285.003;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 11:55:23 AM
Printed by: TestAmerica - Edison

Ident: LCSI 460-14799/3-A
Analysis from: 8/21/2009 3:00:26 AM
File: t8210300.chw Last save: 8/27/2009 11:46:34 AM

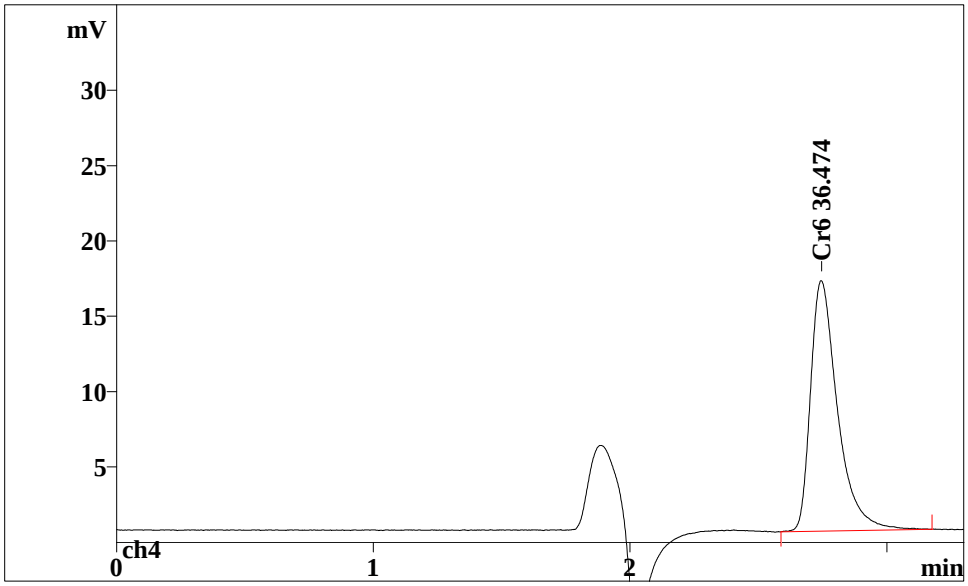
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17735

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.107;	16.64;	100.01;	121.666;	100.00;	0.00;	0.00;	31

Report date: 8/27/2009 11:55:26 AM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 8/21/2009 3:07:43 AM
File: t8210307.chw Last save: 8/27/2009 11:46:34 AM

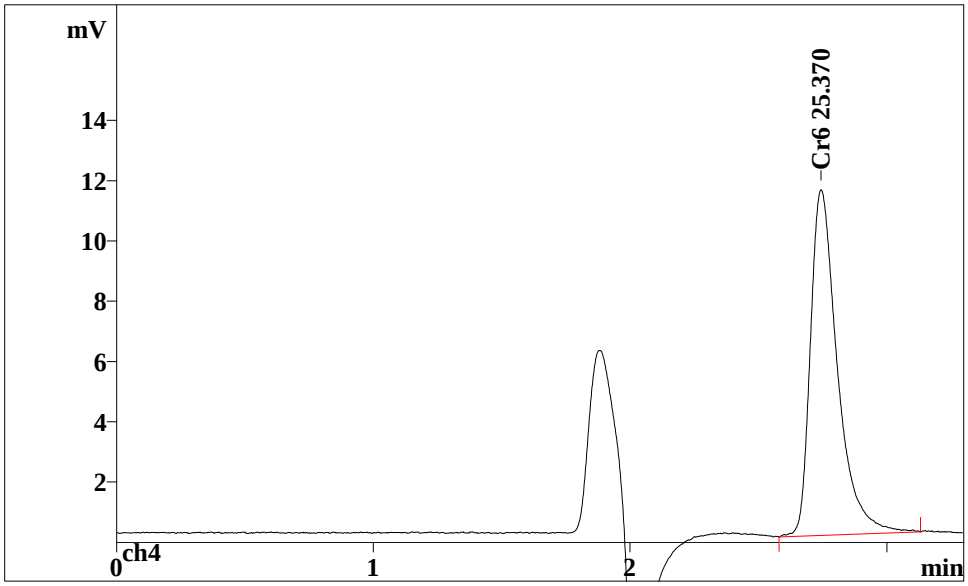
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17736

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.107;	11.47;	99.98;	84.042;	100.00;	0.00;	0.00;	31

Report date: 8/27/2009 11:55:33 AM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 8/21/2009 3:15:01 AM
File: t8210315.chw Last save: 8/27/2009 11:46:34 AM

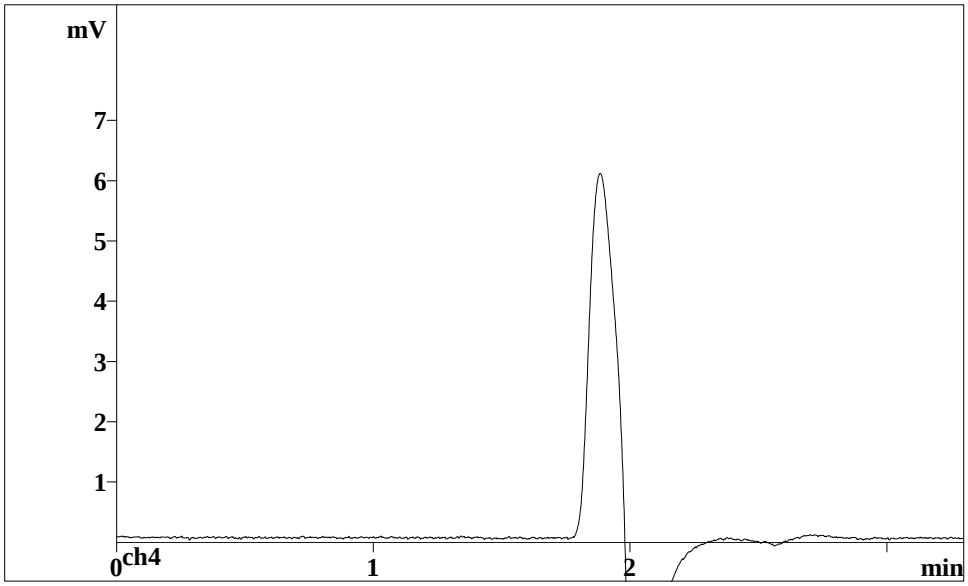
Method: stl_hexchrome_soil.mtw Last save: 8/5/2009 11:05:13
Run operator: TestAmerica - Edison
Analysis number: 17737

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: 7.6 MPa



No peaks

Report date: 8/27/2009 12:01:33 PM
Printed by: TestAmerica - Edison

Ident: 0 ppb
Analysis from: 8/21/2009 12:10:41 PM
File: t8211210.chw Last save: 8/27/2009 12:00:18 PM

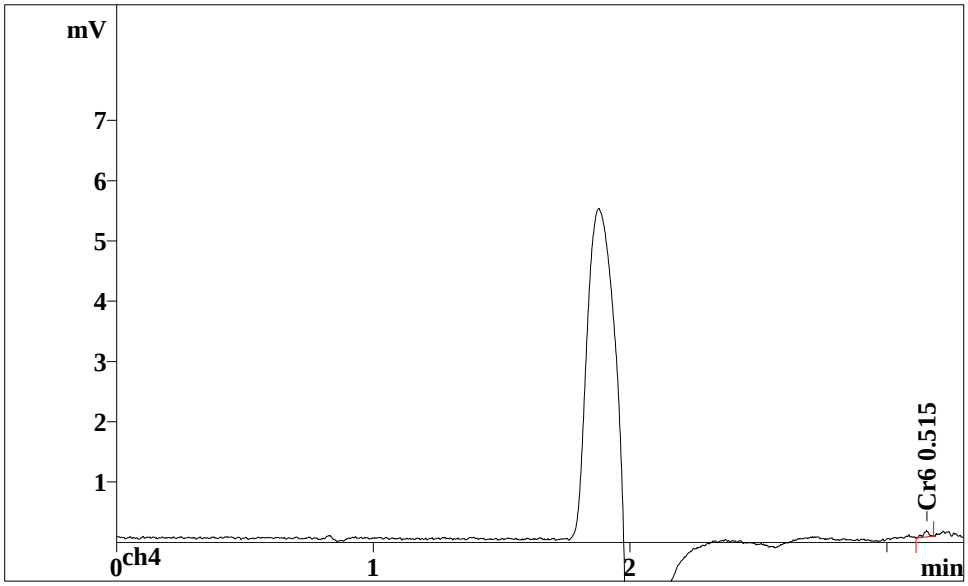
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17741

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: 7.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	3.15;	0.019;	0.11;	100.12;	0.154;	100.00;	0.00;	0.00;	1083

Report date: 8/27/2009 12:01:43 PM
Printed by: TestAmerica - Edison

Ident: 5 ppb
Analysis from: 8/21/2009 12:17:50 PM
File: t8211217.chw Last save: 8/27/2009 12:00:18 PM

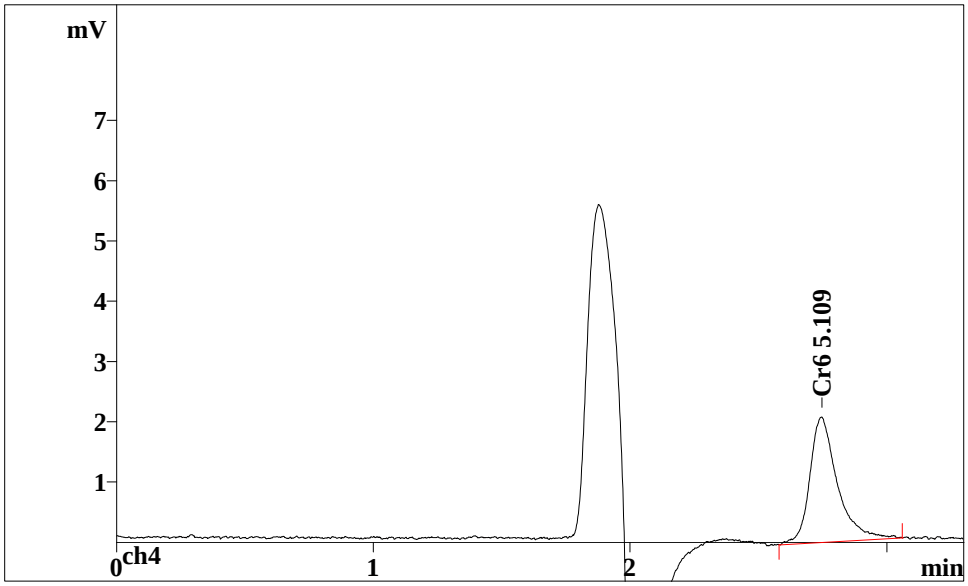
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17742

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: 7.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.105;	2.08;	99.92;	15.600;	100.00;	0.00;	0.00;	30

Report date: 8/27/2009 12:01:46 PM
Printed by: TestAmerica - Edison

Ident: 10 ppb
Analysis from: 8/21/2009 12:24:59 PM
File: t8211224.chw Last save: 8/27/2009 12:00:18 PM

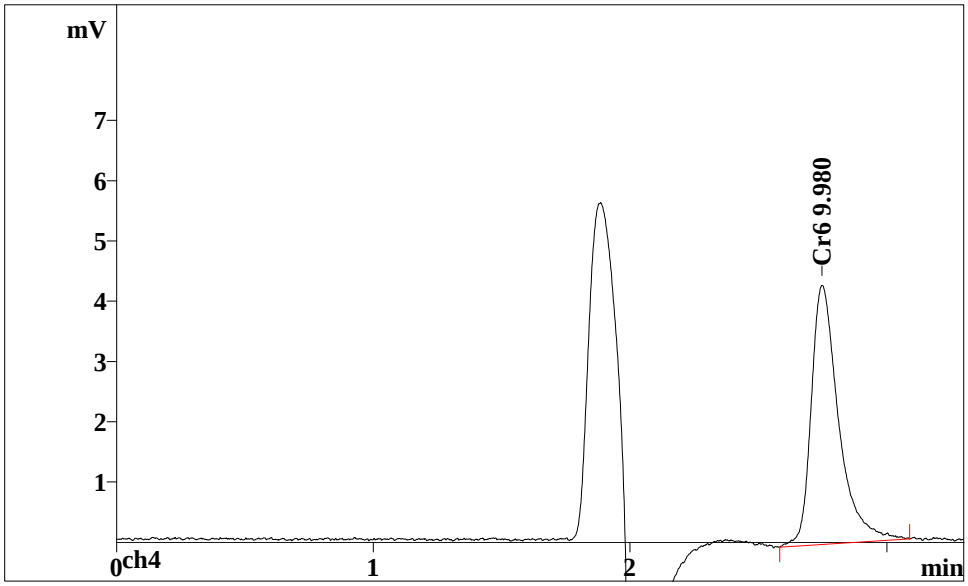
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17743

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: 7.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.75;	0.106;	4.30;	100.00;	31.979;	100.00;	0.00;	0.00;	30

Report date: 8/27/2009 12:01:51 PM
Printed by: TestAmerica - Edison

Ident: 25 ppb
Analysis from: 8/21/2009 12:32:09 PM
File: t8211232.chw Last save: 8/27/2009 12:00:18 PM

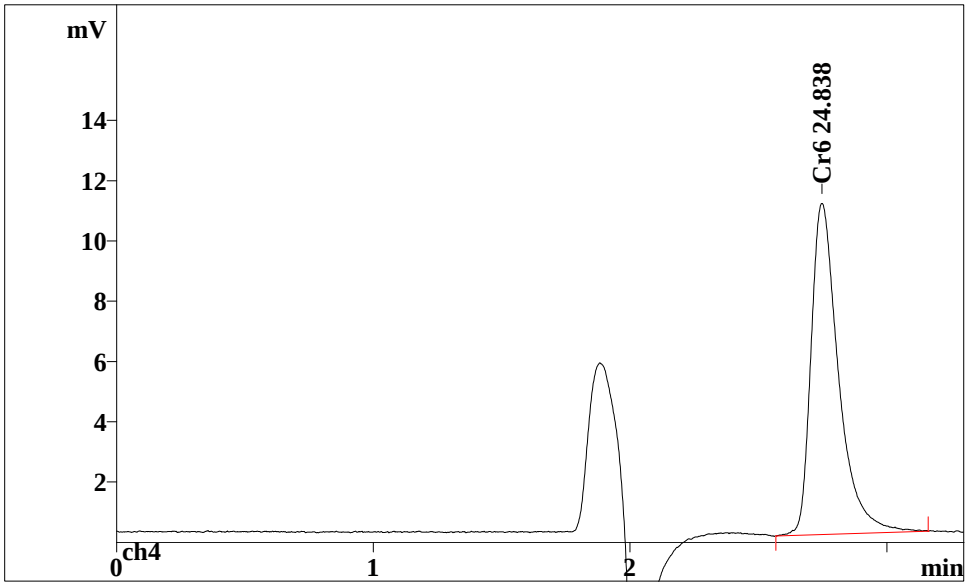
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17744

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: 7.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.75;	0.108;	11.00;	100.02;	81.937;	100.00;	0.00;	0.00;	30

Report date: 8/27/2009 12:01:55 PM
Printed by: TestAmerica - Edison

Ident: 50 ppb
Analysis from: 8/21/2009 12:39:20 PM
File: t8211239.chw Last save: 8/27/2009 12:00:18 PM

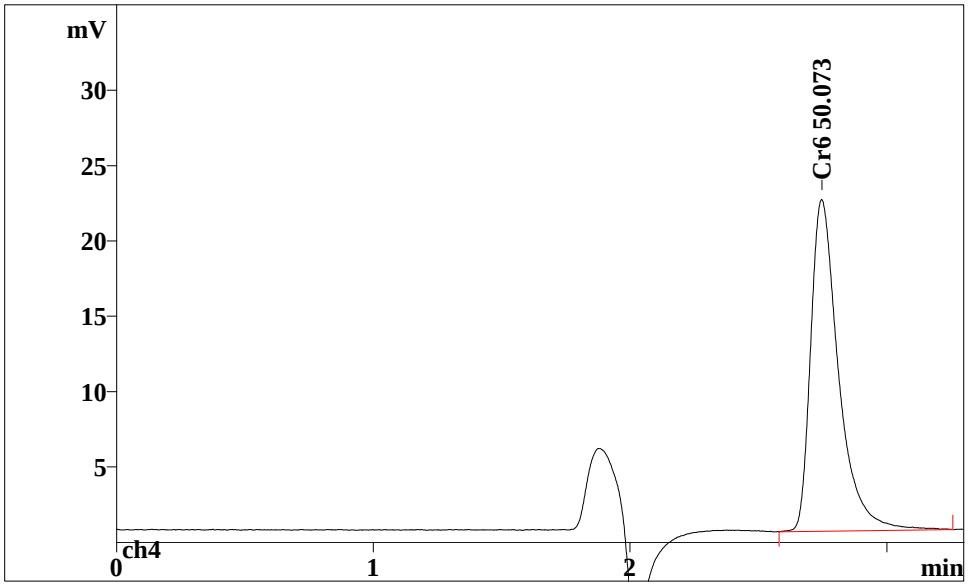
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17745

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

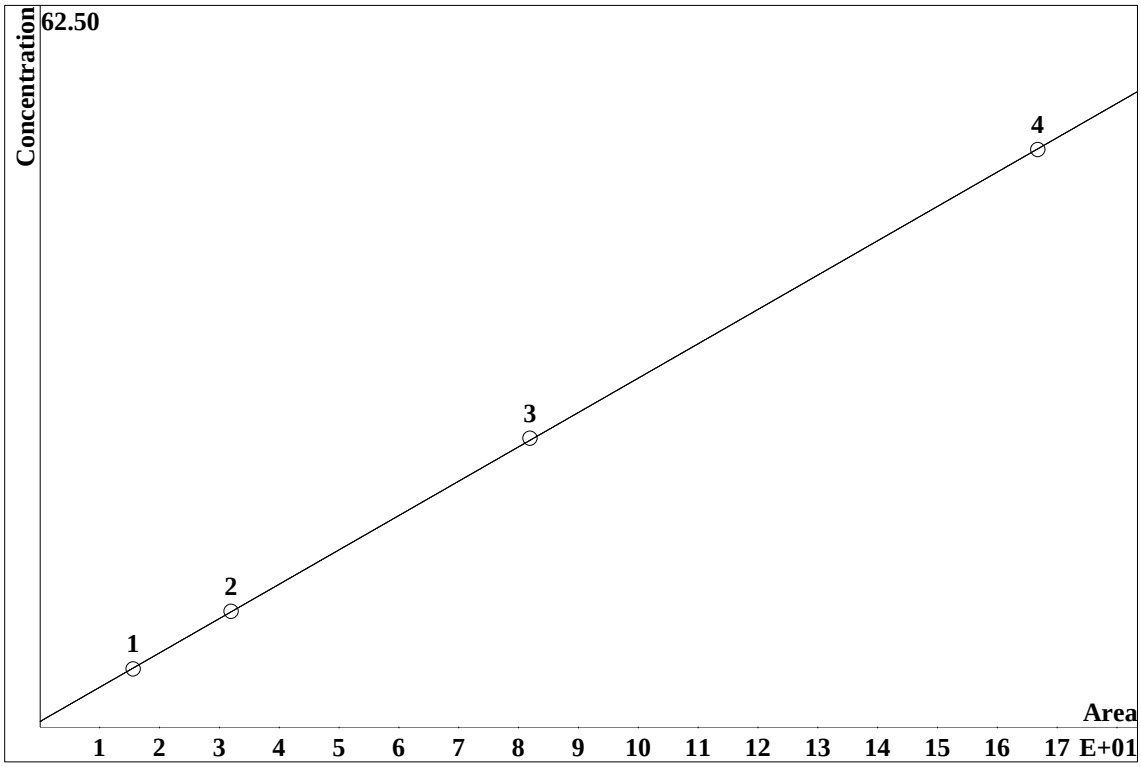
Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.75;	0.109;	22.02;	100.00;	166.790;	100.00;	0.00;	0.00;	29

CALIBRATION OF COMPONENT Cr6

Method: stl_hexchrome_soil.mtw
Equation: Q = 0.297404·A + 0.469388
RSD: 0.659 %
Correlation coefficient: 0.999982



K3 = 0 K2 = 0 K1 = 0.297404 K0 = 0.469388
Base: Area
Ref.channel: ch4
ISTD:
Formula: Linear
Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1;	2.084;	15.6;	5;	1;	2.745;	Yes;	t8211217.chw
2;	4.305;	31.98;	10;	1;	2.745;	Yes;	t8211224.chw
3;	11;	81.94;	25;	1;	2.745;	Yes;	t8211232.chw
4;	22.02;	166.8;	50;	1;	2.745;	Yes;	t8211239.chw

Report date: 8/27/2009 12:02:12 PM
Printed by: TestAmerica - Edison

Ident: ICV
Analysis from: 8/21/2009 12:46:31 PM
File: t8211246.chw Last save: 8/27/2009 12:00:19 PM

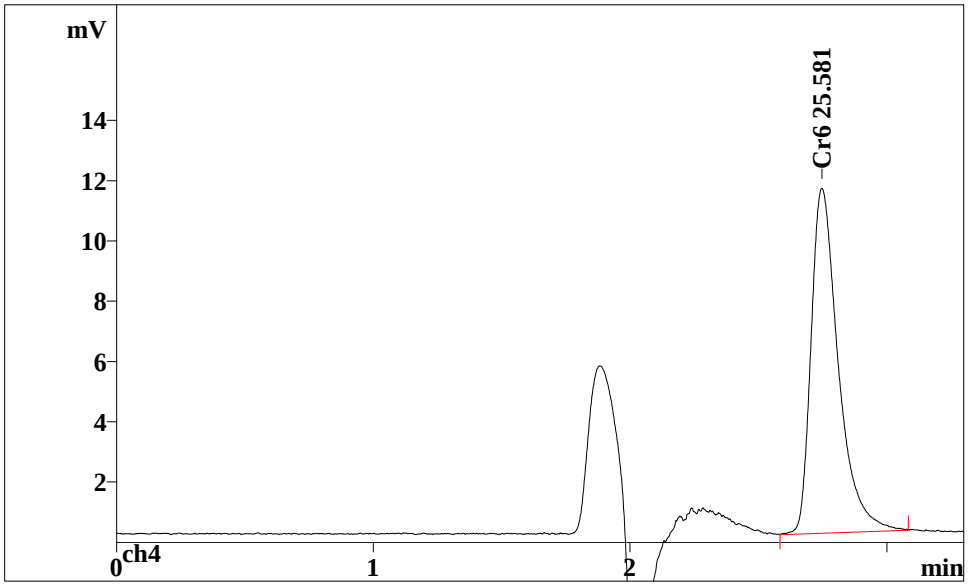
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17746

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: 7.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.75;	0.108;	11.45;	100.03;	84.435;	100.00;	0.00;	0.00;	31

Report date: 8/27/2009 12:02:15 PM
Printed by: TestAmerica - Edison

Ident: ICB
Analysis from: 8/21/2009 12:53:43 PM
File: t8211253.chw Last save: 8/27/2009 12:00:19 PM

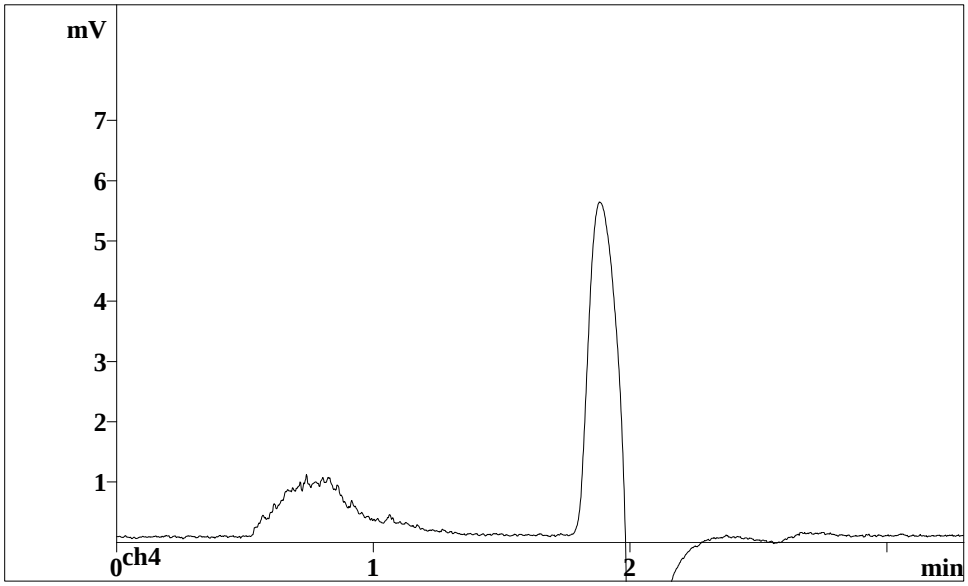
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17747

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: 7.5 MPa



No peaks

Report date: 8/27/2009 12:02:20 PM
Printed by: TestAmerica - Edison

Ident: MB 460-14799/1-A@10
Analysis from: 8/21/2009 1:00:56 PM
File: t8211300.chw Last save: 8/27/2009 12:00:19 PM

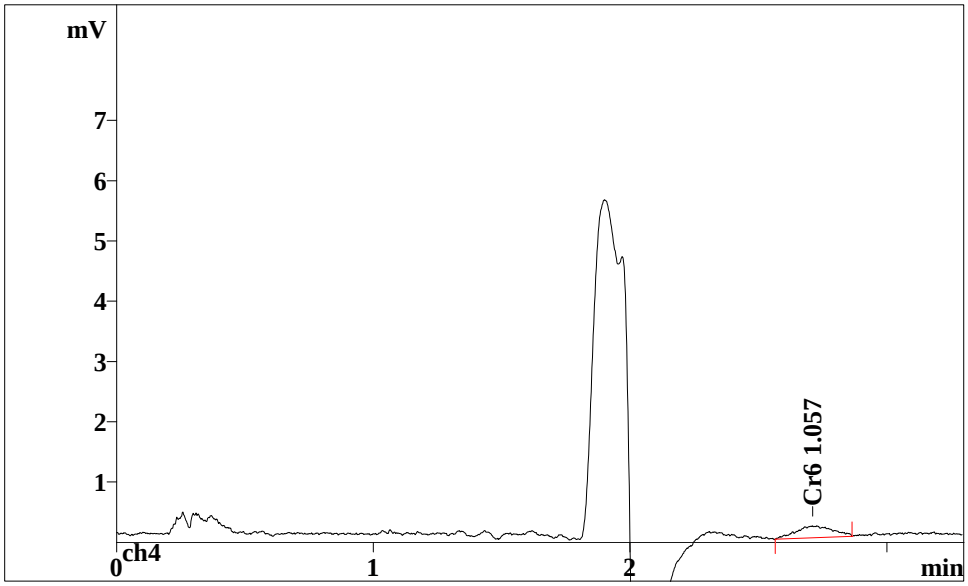
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17748

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: 7.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.173;	0.19;	95.81;	1.977;	100.00;	0.00;	0.00;	17

Report date: 8/27/2009 12:02:24 PM
Printed by: TestAmerica - Edison

Ident: MB 460-14799/1-A@10
Analysis from: 8/21/2009 1:08:08 PM
File: t8211308.chw Last save: 8/27/2009 12:00:19 PM

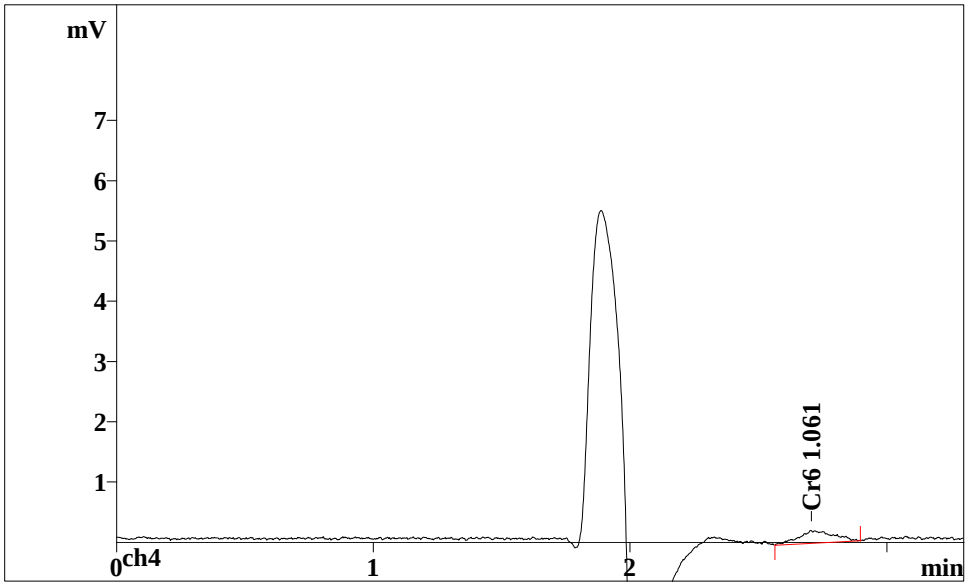
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17749

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.157;	0.20;	95.20;	1.988;	100.00;	0.00;	0.00;	19

Report date: 8/27/2009 12:02:28 PM
Printed by: TestAmerica - Edison

Ident: LCS 460-14799/2-A@10
Analysis from: 8/21/2009 1:15:22 PM
File: t8211315.chw Last save: 8/27/2009 12:00:19 PM

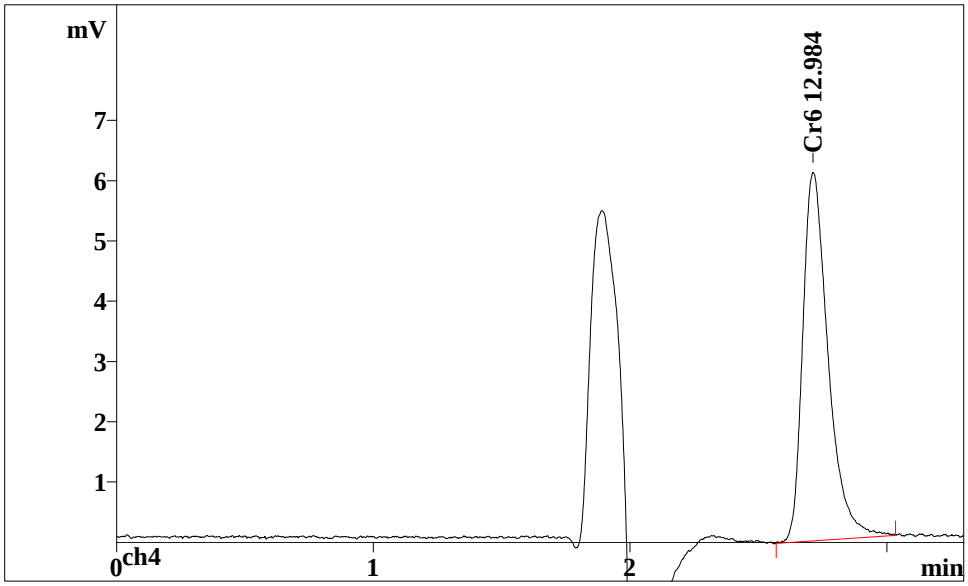
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17750

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: 7.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.102;	6.11;	99.96;	42.079;	100.00;	0.00;	0.00;	35

Report date: 8/27/2009 12:02:31 PM
Printed by: TestAmerica - Edison

Ident: LCS 460-14799/2-A@10
Analysis from: 8/21/2009 1:22:36 PM
File: t8211322.chw Last save: 8/27/2009 12:00:19 PM

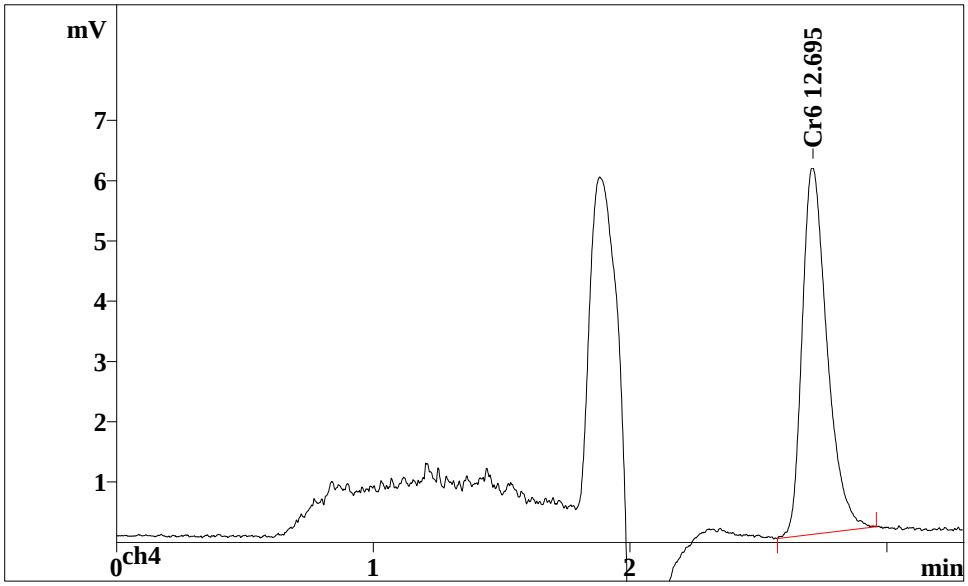
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17751

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: 7.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.102;	6.09;	100.10;	41.109;	100.00;	0.00;	0.00;	36

Report date: 8/27/2009 12:02:34 PM
Printed by: TestAmerica - Edison

Ident: LCSI 460-14799/3-A@500
Analysis from: 8/21/2009 1:29:52 PM
File: t8211329.chw Last save: 8/27/2009 12:00:19 PM

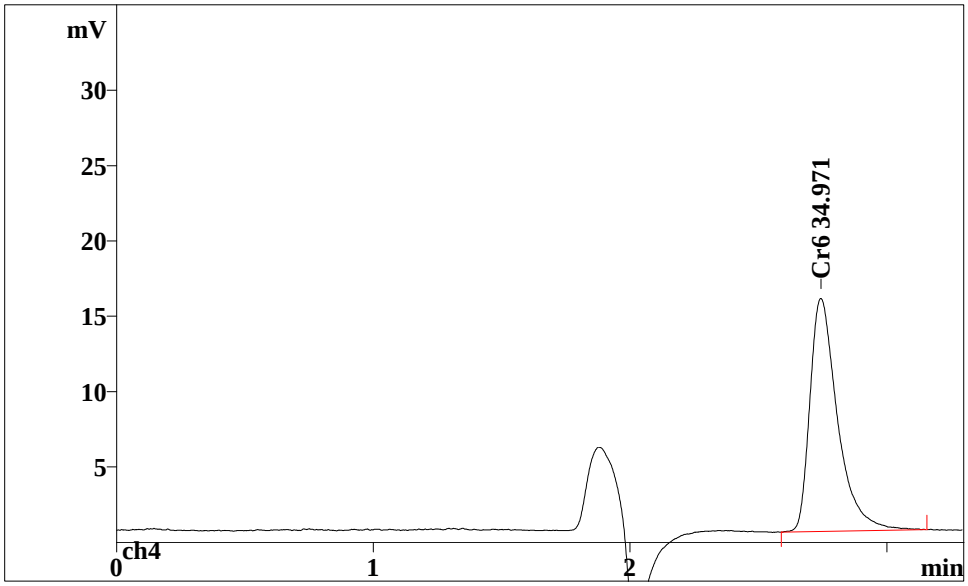
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17752

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: 7.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.109;	15.48;	100.02;	116.007;	100.00;	0.00;	0.00;	30

Report date: 8/27/2009 12:02:37 PM
Printed by: TestAmerica - Edison

Ident: LCSI 460-14799/3-A@500
Analysis from: 8/21/2009 1:37:07 PM
File: t8211337.chw Last save: 8/27/2009 12:00:19 PM

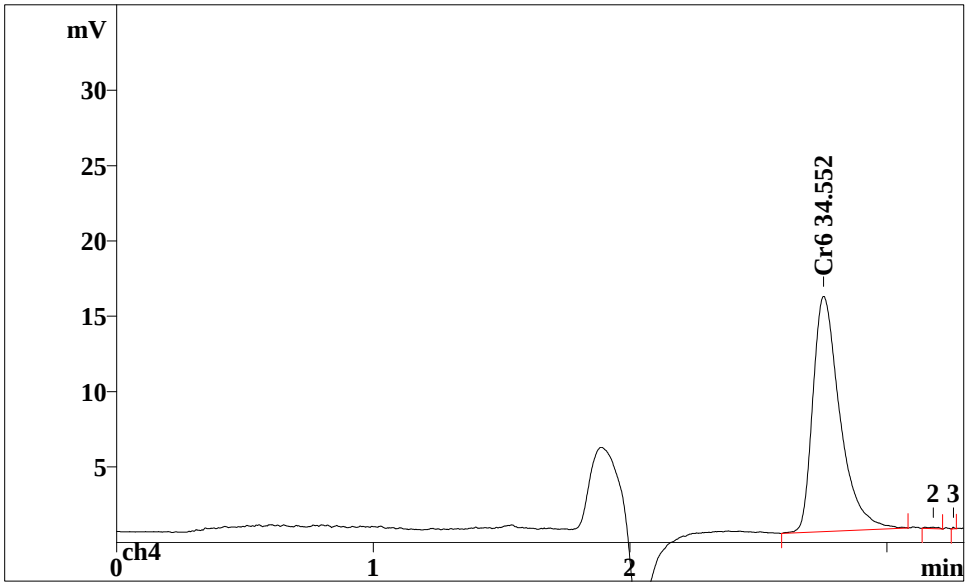
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17753

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: 7.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.75;	0.109;	15.63;	98.62;	114.601;	99.68;	0.00;	3.08;	31

Report date: 8/27/2009 12:02:41 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-1-A DU@20
Analysis from: 8/21/2009 1:44:24 PM
File: t8211344.chw Last save: 8/27/2009 12:00:20 PM

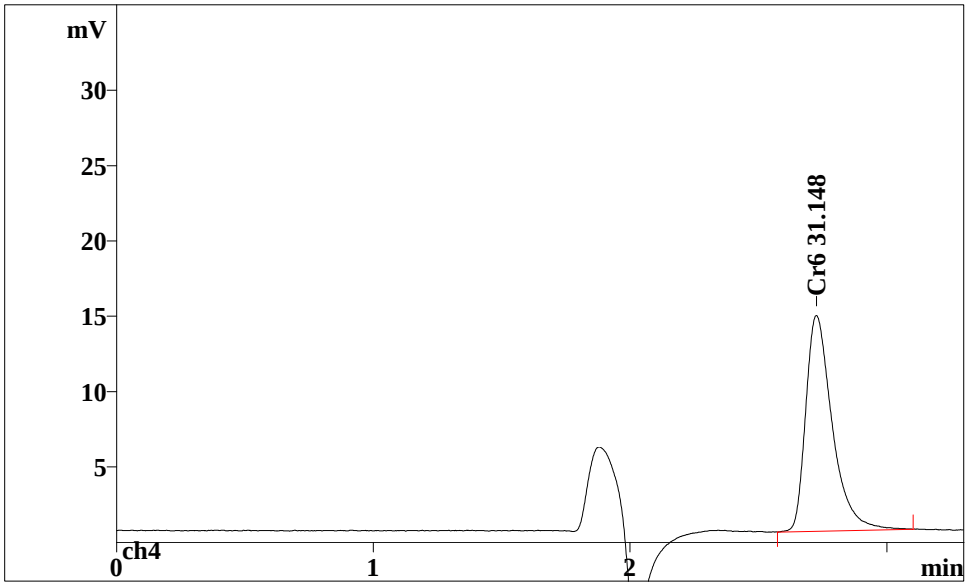
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17754

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: 7.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.106;	14.33;	100.02;	103.155;	100.00;	0.00;	0.00;	32

Report date: 8/27/2009 12:02:44 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-1-A DU@20
Analysis from: 8/21/2009 1:51:41 PM
File: t8211351.chw Last save: 8/27/2009 12:00:20 PM

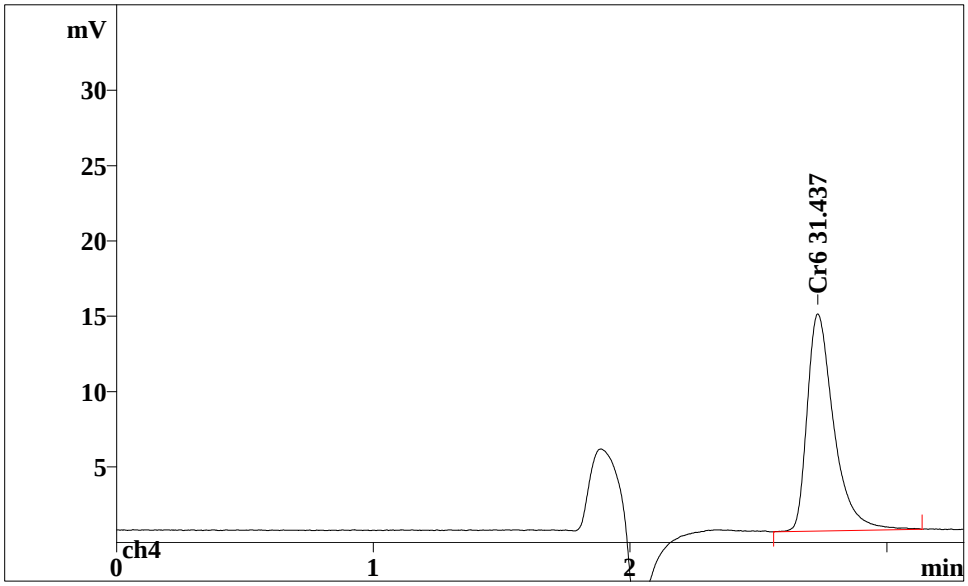
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17755

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: 7.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.106;	14.43;	99.98;	104.125;	100.00;	0.00;	0.00;	32

Report date: 8/27/2009 12:02:48 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-1-D@20
Analysis from: 8/21/2009 1:58:58 PM
File: t8211358.chw Last save: 8/27/2009 12:00:20 PM

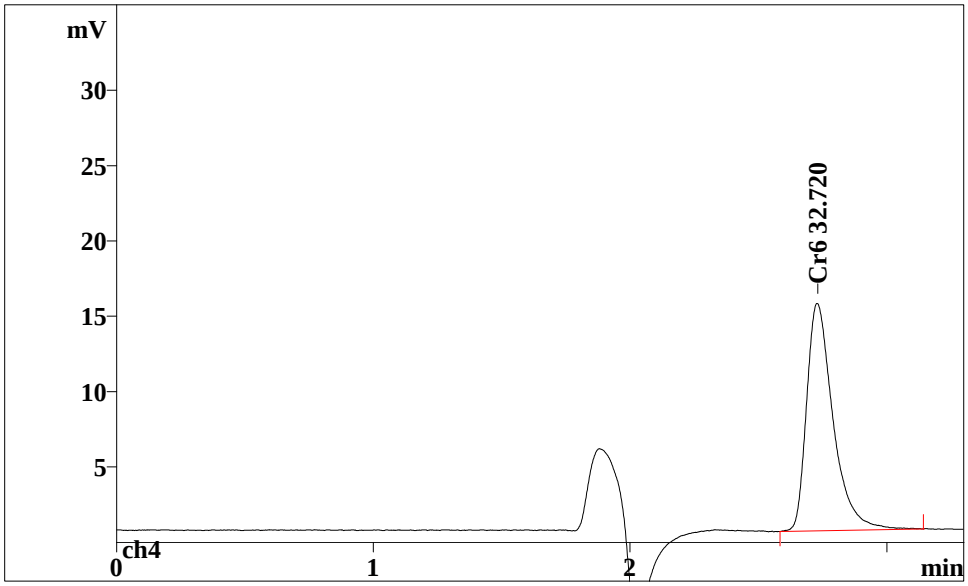
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17756

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: 7.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.105;	15.12;	100.02;	108.439;	100.00;	0.00;	0.00;	32

Report date: 8/27/2009 12:02:53 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-1-D@20
Analysis from: 8/21/2009 2:06:16 PM
File: t8211406.chw Last save: 8/27/2009 12:00:20 PM

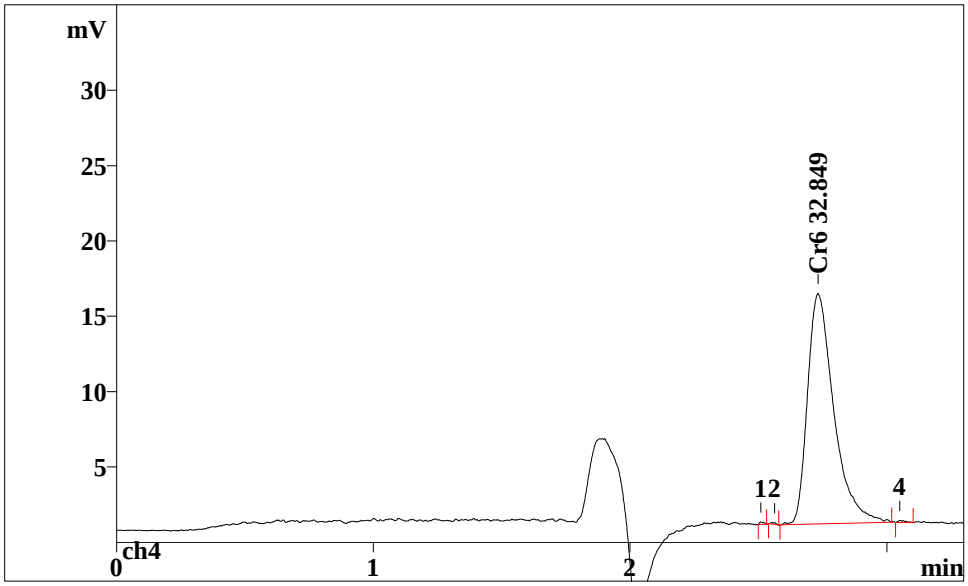
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17757

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.105;	15.28;	97.16;	108.873;	99.40;	0.00;	2.72;	33

Report date: 8/27/2009 12:02:57 PM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 8/21/2009 2:13:35 PM
File: t8211413.chw Last save: 8/27/2009 12:00:20 PM

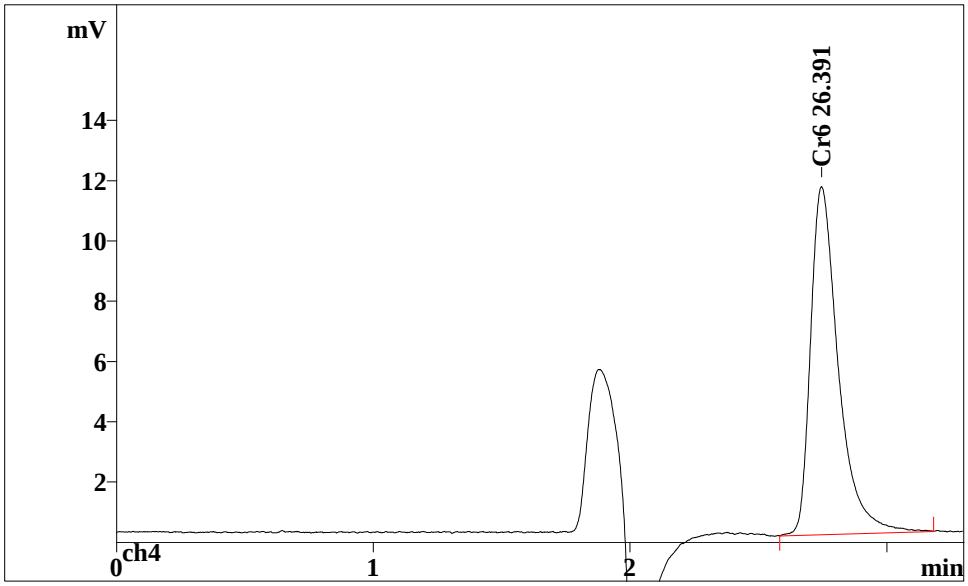
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17758

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.75;	0.109;	11.56;	99.99;	87.159;	100.00;	0.00;	0.00;	29

Report date: 8/27/2009 12:03:01 PM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 8/21/2009 2:20:54 PM
File: t8211420.chw Last save: 8/27/2009 12:00:20 PM

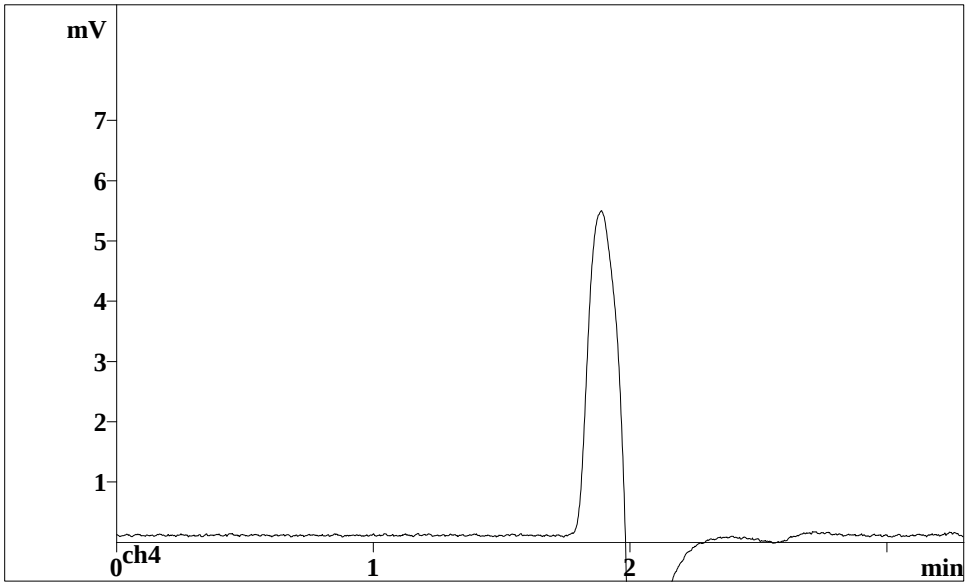
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17759

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: 7.4 MPa



No peaks

Report date: 8/27/2009 12:03:05 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-3-A@20
Analysis from: 8/21/2009 2:28:13 PM
File: t8211428.chw Last save: 8/27/2009 12:00:20 PM

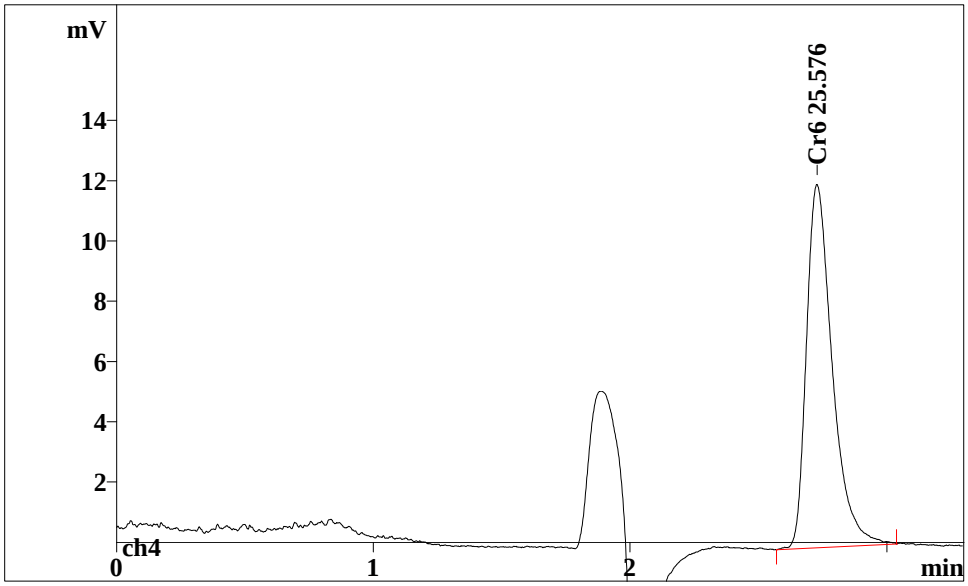
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17760

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: 7.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.104;	12.05;	99.95;	84.418;	100.00;	0.00;	0.00;	34

Report date: 8/27/2009 12:03:08 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-3-A@20
Analysis from: 8/21/2009 2:35:32 PM
File: t8211435.chw Last save: 8/27/2009 12:00:20 PM

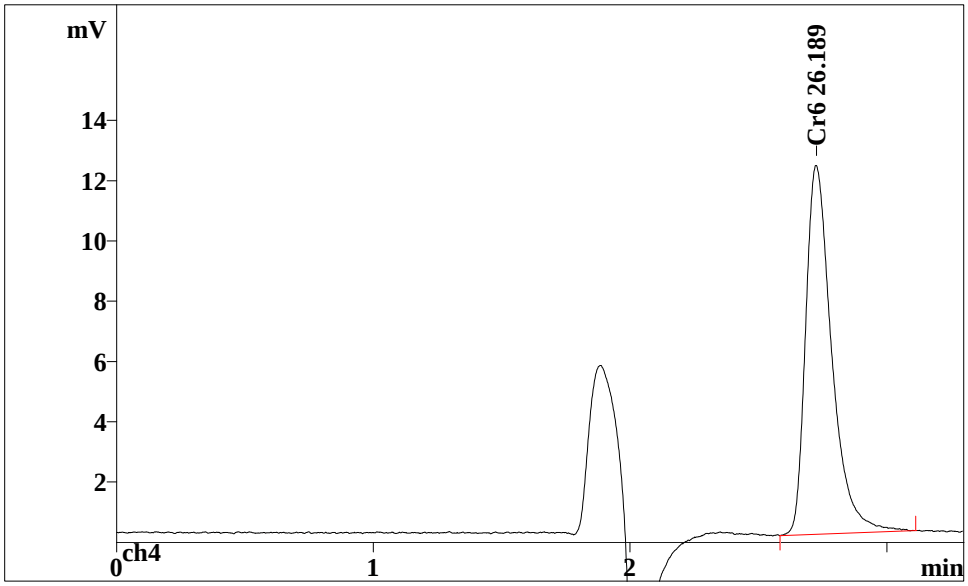
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17761

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.104;	12.25;	99.95;	86.480;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 12:03:12 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-4-A@20
Analysis from: 8/21/2009 2:42:53 PM
File: t8211442.chw Last save: 8/27/2009 12:00:20 PM

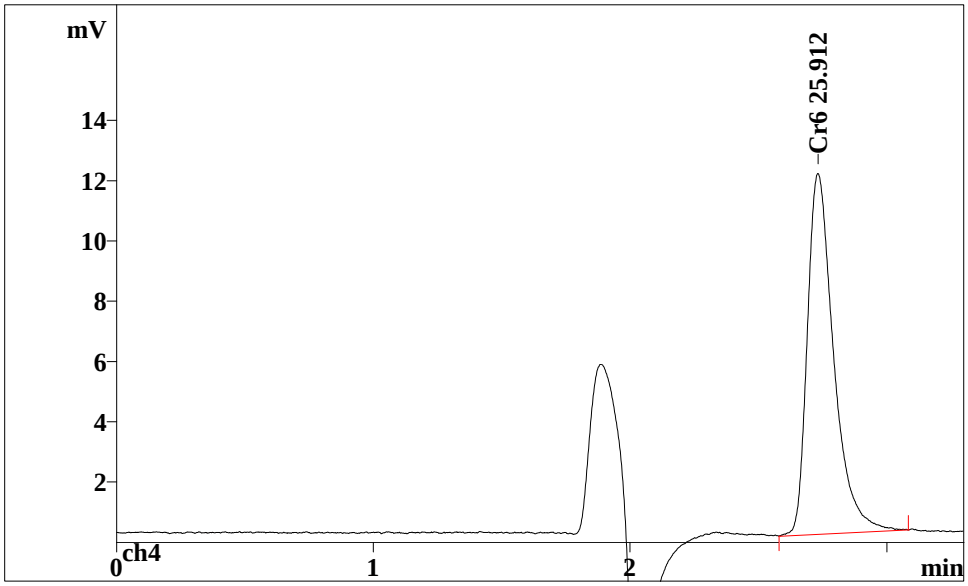
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17762

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: 7.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.105;	11.98;	100.00;	85.549;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 12:03:15 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-4-A@20
Analysis from: 8/21/2009 2:50:11 PM
File: t8211450.chw Last save: 8/27/2009 12:00:21 PM

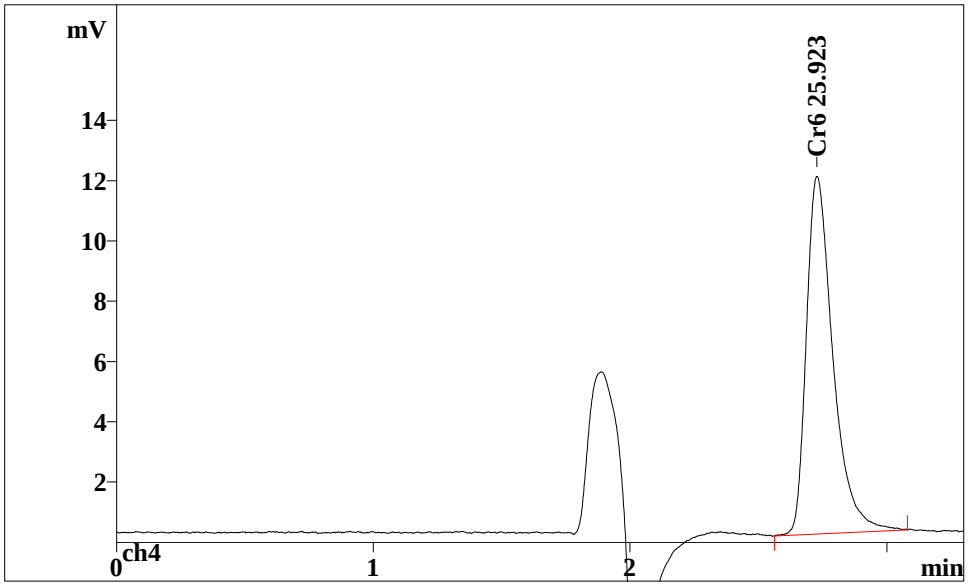
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17763

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: 7.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.106;	11.88;	100.05;	85.584;	100.00;	0.00;	0.00;	32

Report date: 8/27/2009 12:03:19 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-5-A@20
Analysis from: 8/21/2009 2:57:30 PM
File: t8211457.chw Last save: 8/27/2009 12:00:21 PM

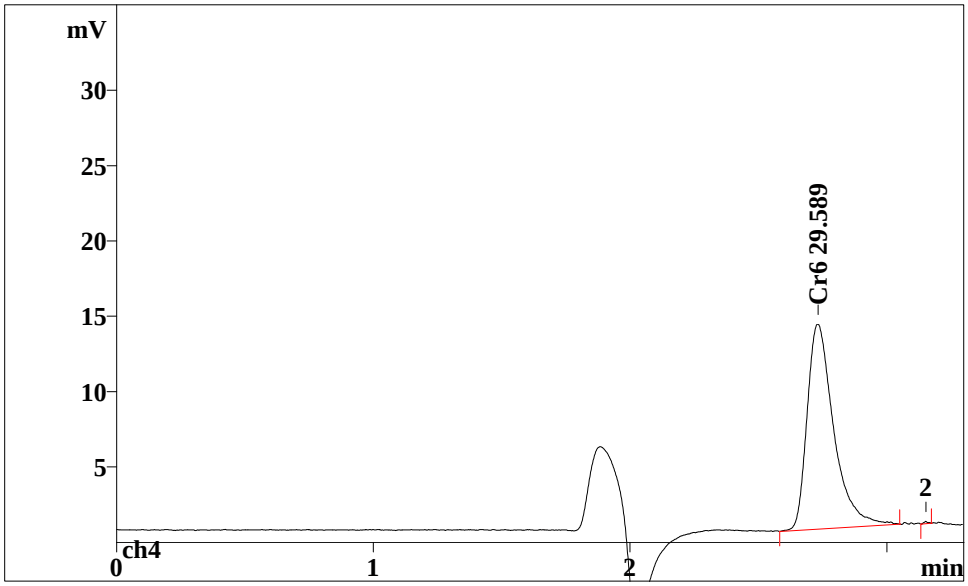
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17764

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.105;	13.61;	98.90;	97.912;	99.84;	0.00;	4.24;	32

Report date: 8/27/2009 12:03:23 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-5-A@20
Analysis from: 8/21/2009 3:04:49 PM
File: t8211504.chw Last save: 8/27/2009 12:00:21 PM

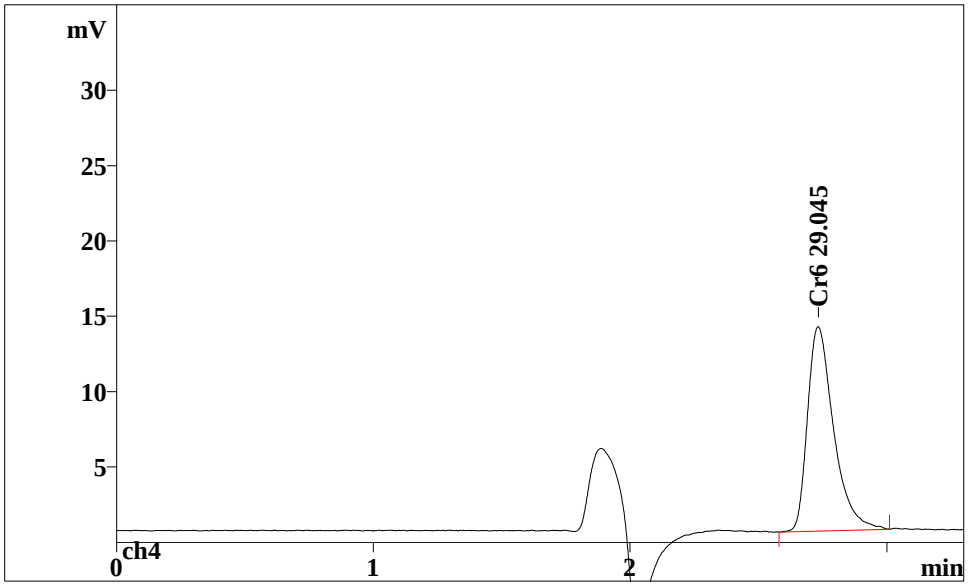
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17765

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.105;	13.57;	100.01;	96.084;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 12:03:26 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-6-A@20
Analysis from: 8/21/2009 3:12:08 PM
File: t8211512.chw Last save: 8/27/2009 12:00:21 PM

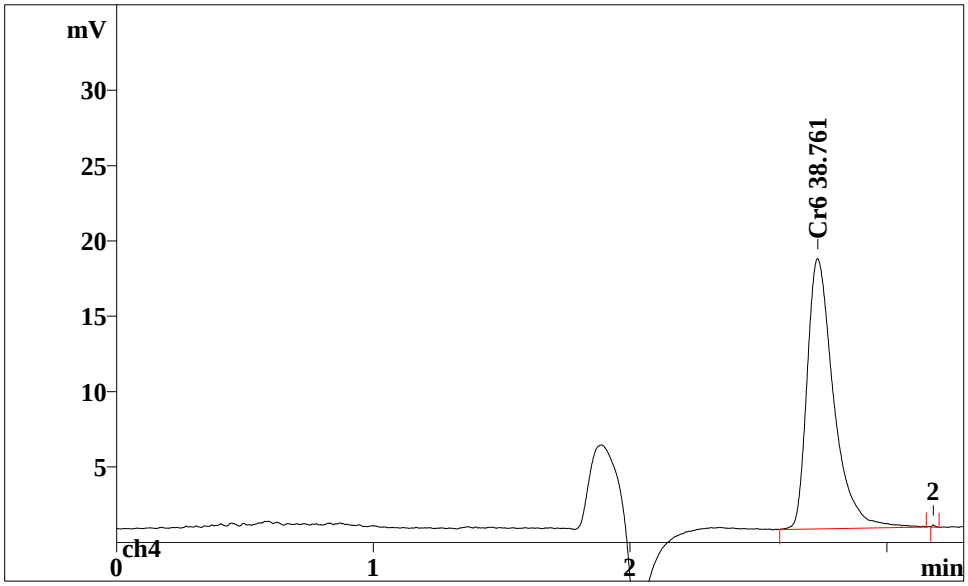
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17766

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.105;	17.95;	99.23;	128.751;	99.91;	0.00;	4.63;	32

Report date: 8/27/2009 12:03:29 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-6-A@20
Analysis from: 8/21/2009 3:19:27 PM
File: t8211519.chw Last save: 8/27/2009 12:00:21 PM

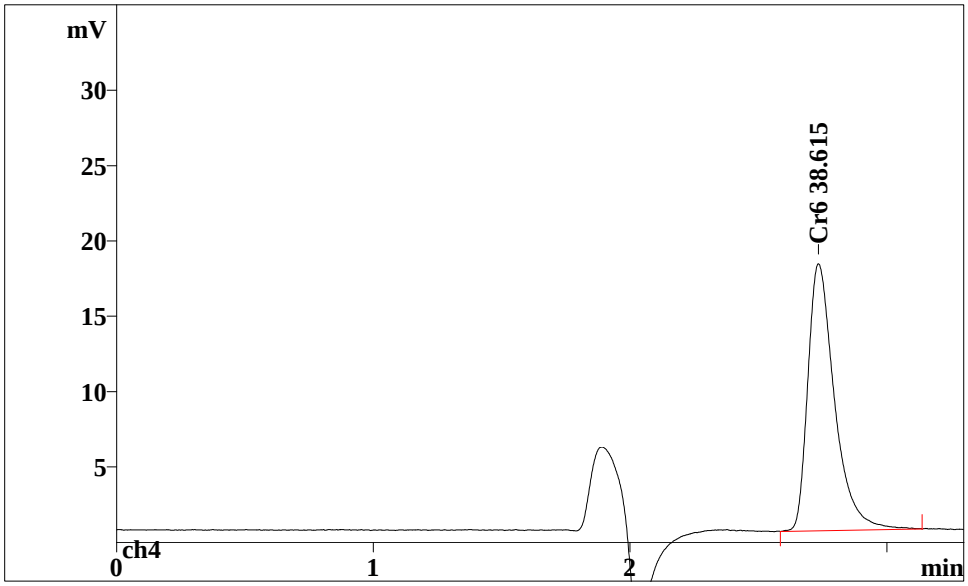
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17767

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: 7.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.106;	17.74;	100.01;	128.262;	100.00;	0.00;	0.00;	32

Report date: 8/27/2009 12:03:34 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-7-A@20
Analysis from: 8/21/2009 3:26:46 PM
File: t8211526.chw Last save: 8/27/2009 12:00:22 PM

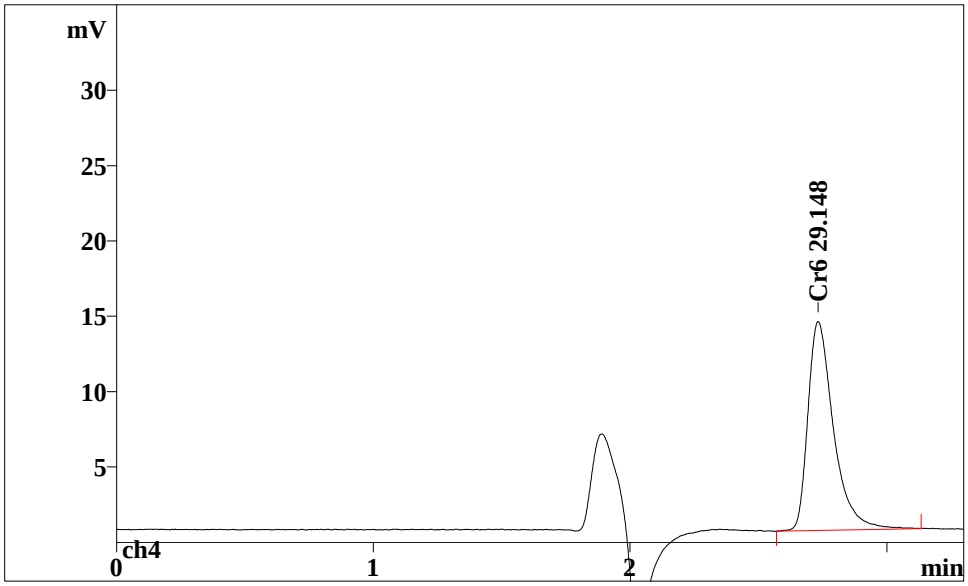
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17768

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.101;	13.88;	100.01;	96.430;	100.00;	0.00;	0.00;	34

Report date: 8/27/2009 12:03:39 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-7-A@20
Analysis from: 8/21/2009 3:34:03 PM
File: t8211534.chw Last save: 8/27/2009 12:00:22 PM

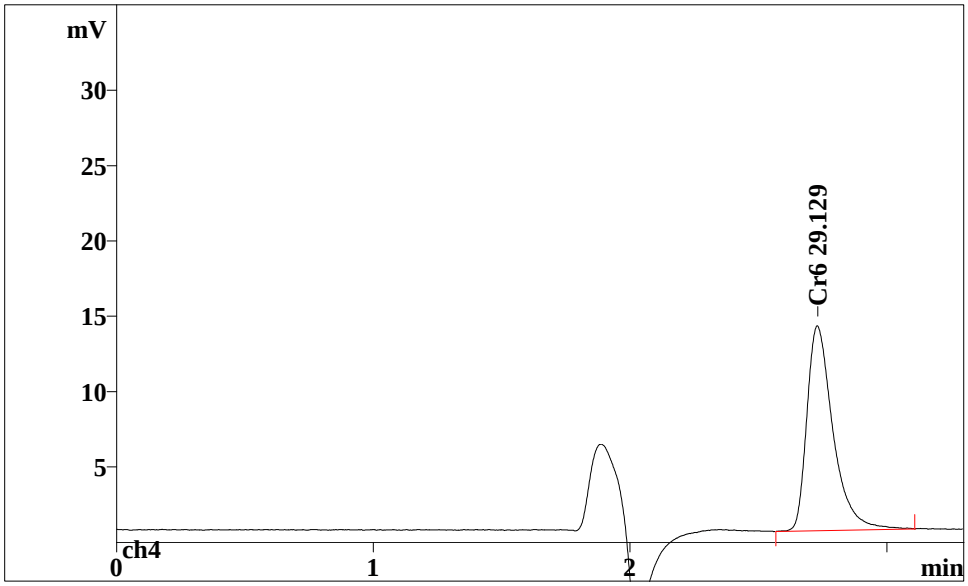
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17769

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: 7.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.103;	13.61;	99.95;	96.365;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 12:03:42 PM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 8/21/2009 3:42:14 PM
File: t8211542.chw Last save: 8/27/2009 12:00:22 PM

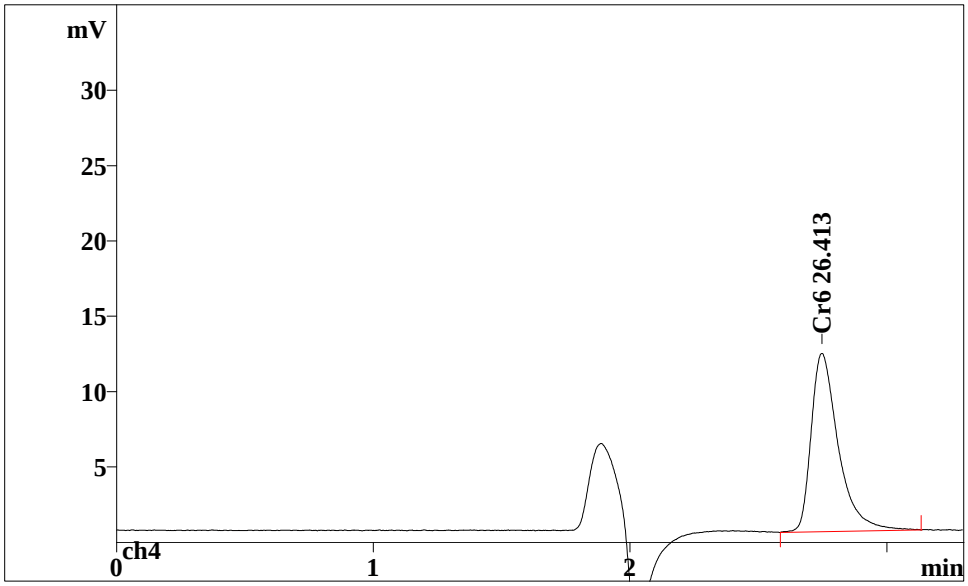
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17770

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.75;	0.107;	11.85;	100.02;	87.232;	100.00;	0.00;	0.00;	31

Report date: 8/27/2009 12:03:46 PM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 8/21/2009 3:49:30 PM
File: t8211549.chw Last save: 8/27/2009 12:00:22 PM

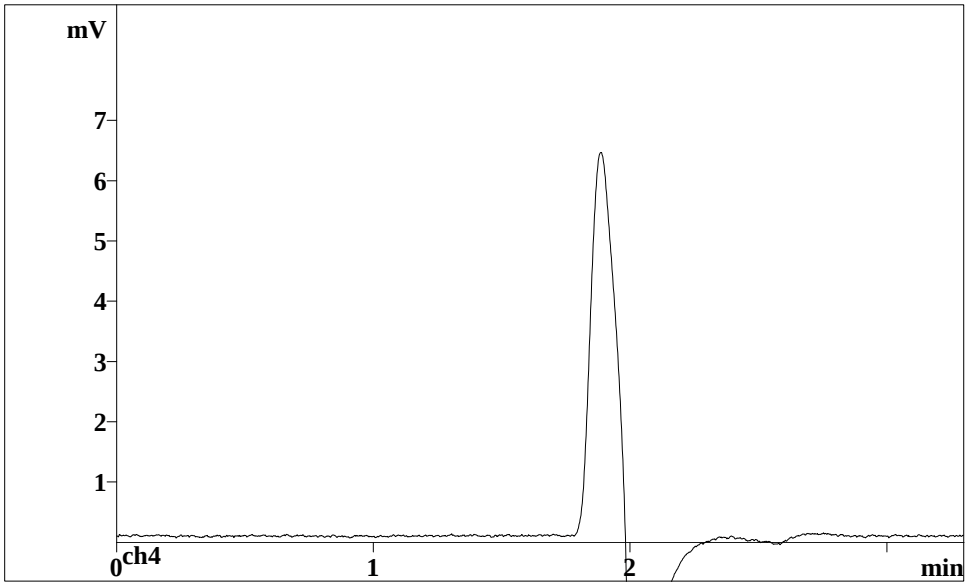
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17771

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: 7.6 MPa



No peaks

Report date: 8/27/2009 12:03:49 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-8-A@20
Analysis from: 8/21/2009 3:56:47 PM
File: t8211556.chw Last save: 8/27/2009 12:00:22 PM

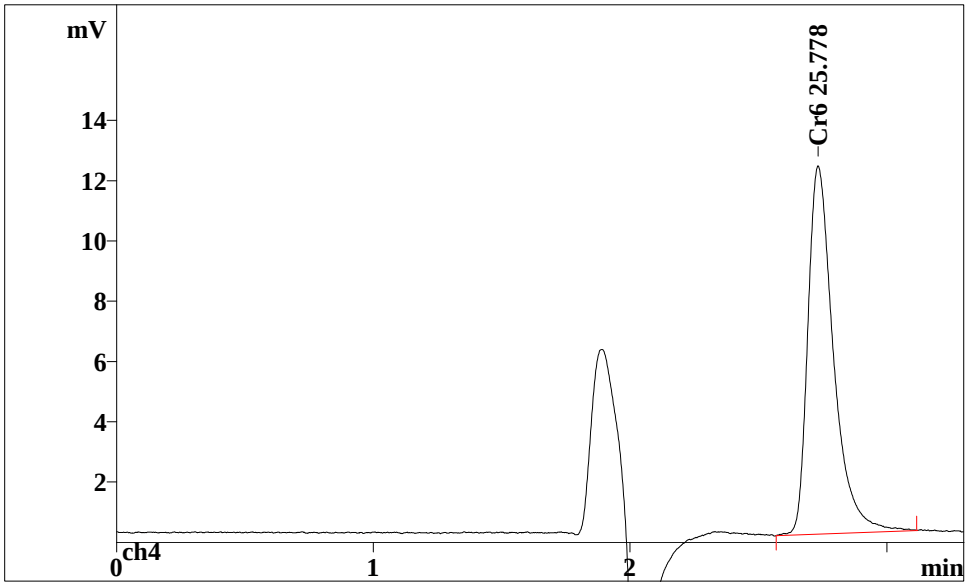
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17772

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.101;	12.22;	99.96;	85.097;	100.00;	0.00;	0.00;	34

Report date: 8/27/2009 12:03:54 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-8-A@20
Analysis from: 8/21/2009 4:04:03 PM
File: t8211604.chw Last save: 8/27/2009 12:00:22 PM

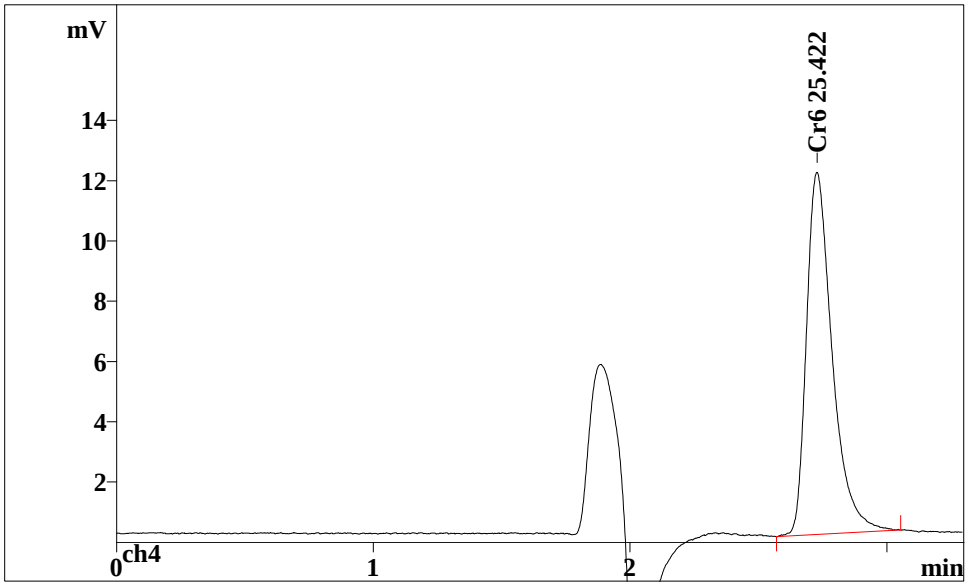
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17773

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.103;	12.03;	99.97;	83.902;	100.00;	0.00;	0.00;	34

Report date: 8/27/2009 12:03:58 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-9-A@50
Analysis from: 8/21/2009 4:11:18 PM
File: t8211611.chw Last save: 8/27/2009 12:00:22 PM

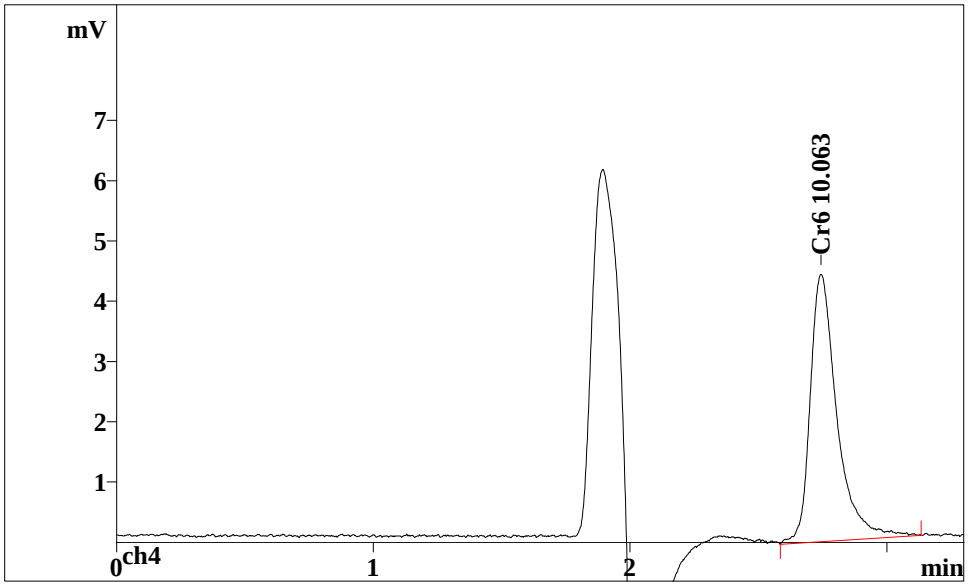
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17774

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.103;	4.44;	99.96;	32.257;	100.00;	0.00;	0.00;	32

Report date: 8/27/2009 12:04:01 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-9-A@50
Analysis from: 8/21/2009 4:18:32 PM
File: t8211618.chw Last save: 8/27/2009 12:00:23 PM

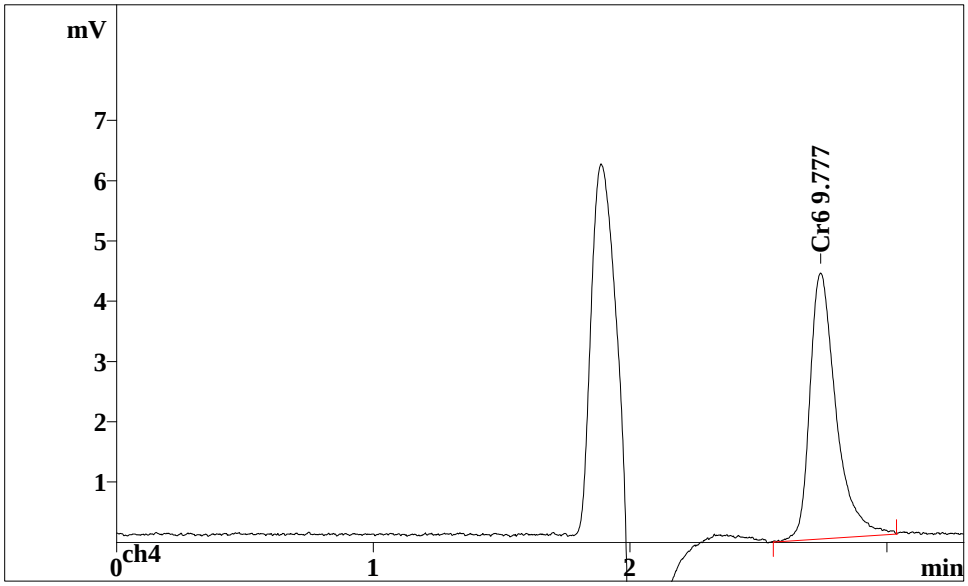
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17775

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.103;	4.41;	99.98;	31.297;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 12:04:04 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-12-A@40
Analysis from: 8/21/2009 4:25:45 PM
File: t8211625.chw Last save: 8/27/2009 12:00:23 PM

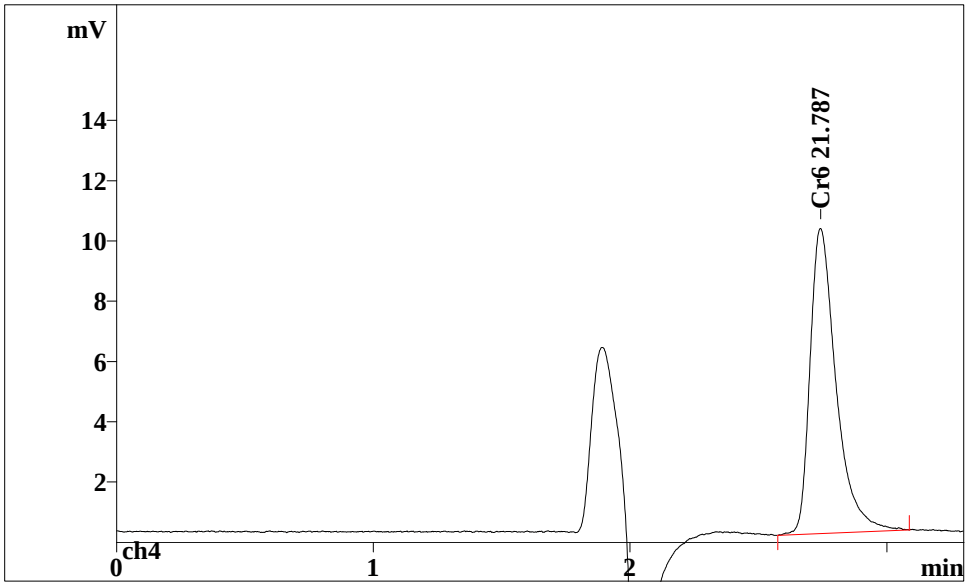
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17776

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: 7.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.103;	10.13;	100.05;	71.679;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 12:04:10 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-12-A@40
Analysis from: 8/21/2009 4:32:57 PM
File: t8211632.chw Last save: 8/27/2009 12:00:23 PM

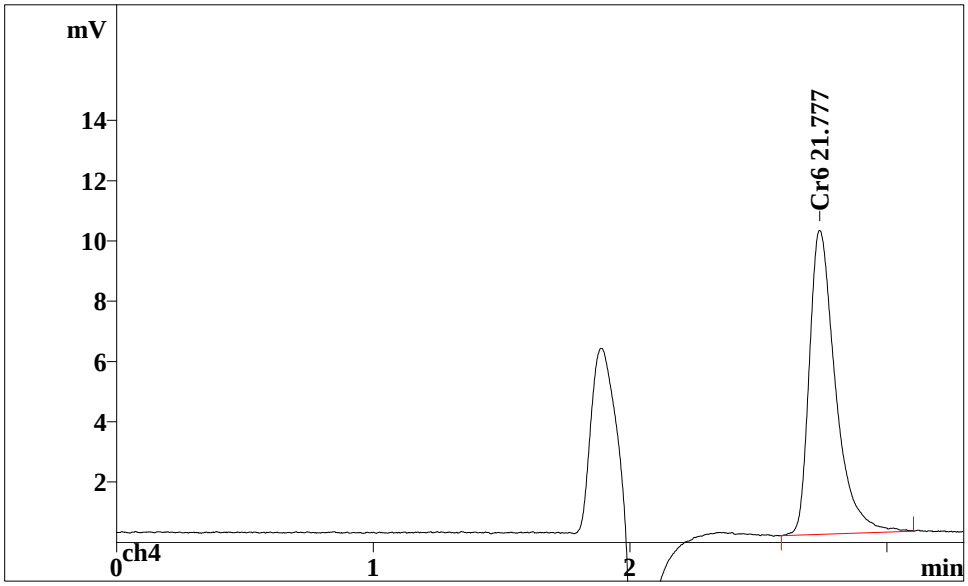
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17777

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: 7.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.104;	10.10;	100.00;	71.645;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 12:04:14 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-13-A@20
Analysis from: 8/21/2009 4:40:09 PM
File: t8211640.chw Last save: 8/27/2009 12:00:23 PM

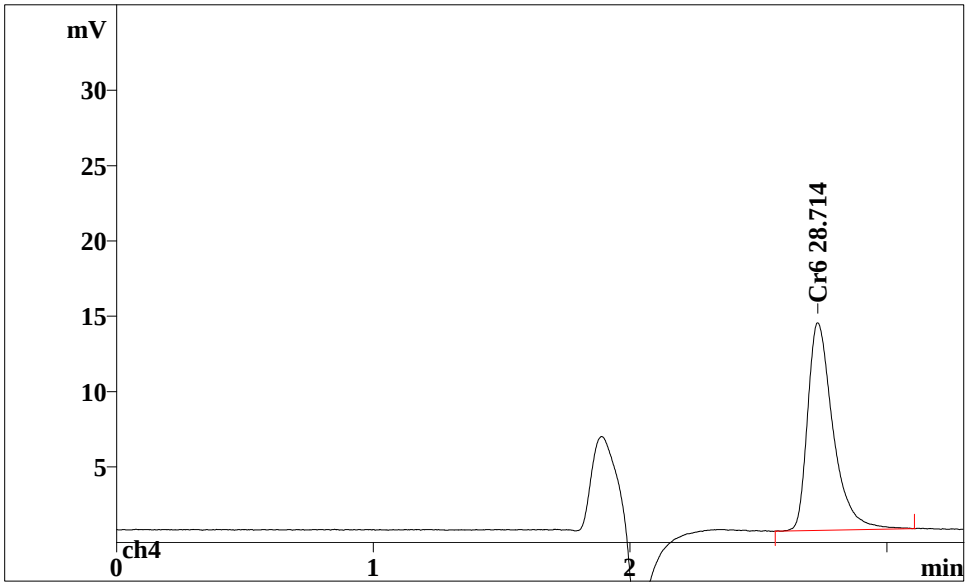
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17778

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.101;	13.80;	100.05;	94.971;	100.00;	0.00;	0.00;	35

Report date: 8/27/2009 12:04:17 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-13-A@20
Analysis from: 8/21/2009 4:47:20 PM
File: t8211647.chw Last save: 8/27/2009 12:00:23 PM

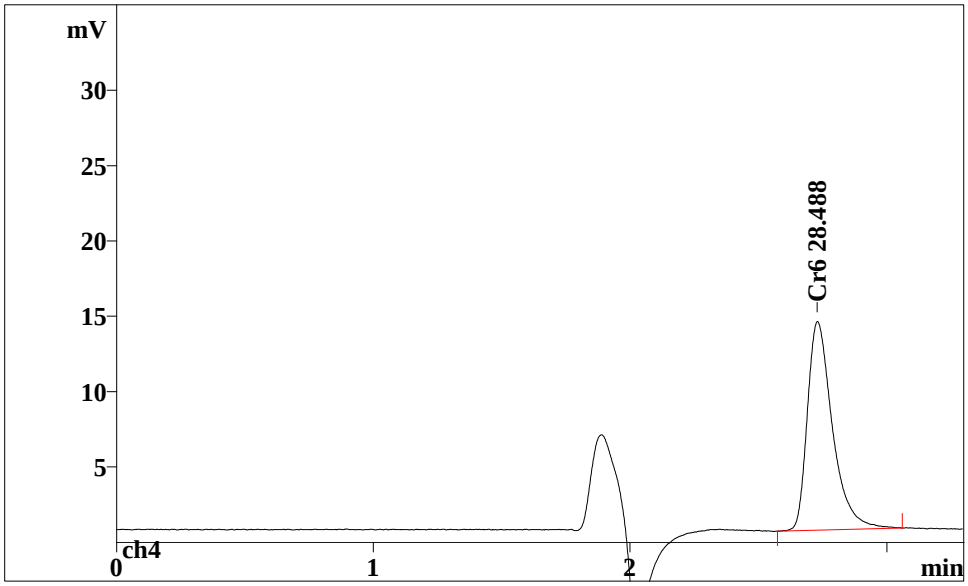
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17779

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.100;	13.86;	100.06;	94.209;	100.00;	0.00;	0.00;	36

Report date: 8/27/2009 12:04:21 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-14-A@50
Analysis from: 8/21/2009 4:54:31 PM
File: t8211654.chw Last save: 8/27/2009 12:00:23 PM

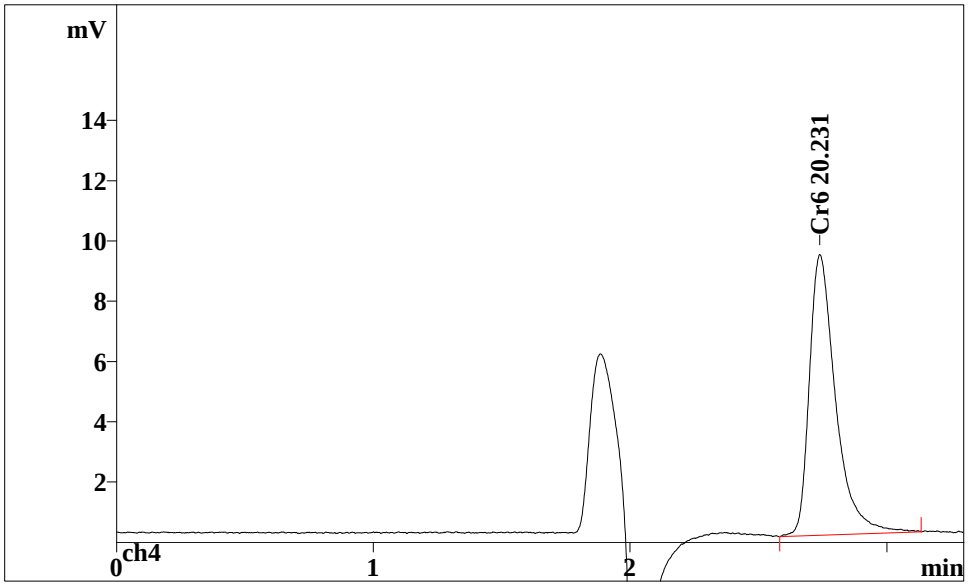
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17780

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.103;	9.32;	99.96;	66.446;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 12:04:24 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-14-A@50
Analysis from: 8/21/2009 5:01:42 PM
File: t8211701.chw Last save: 8/27/2009 12:00:24 PM

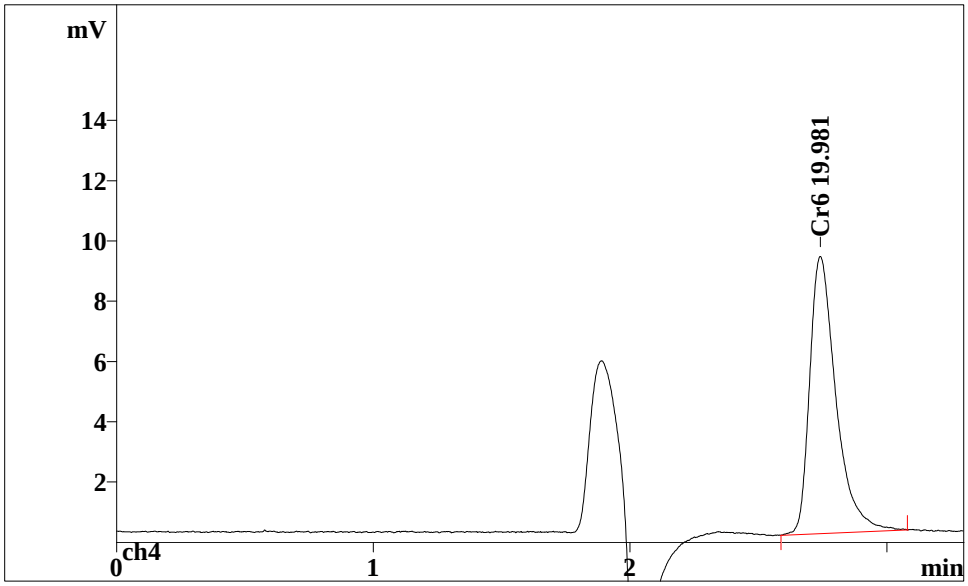
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17781

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.104;	9.21;	99.97;	65.605;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 12:04:27 PM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 8/21/2009 5:08:52 PM
File: t8211708.chw Last save: 8/27/2009 12:00:24 PM

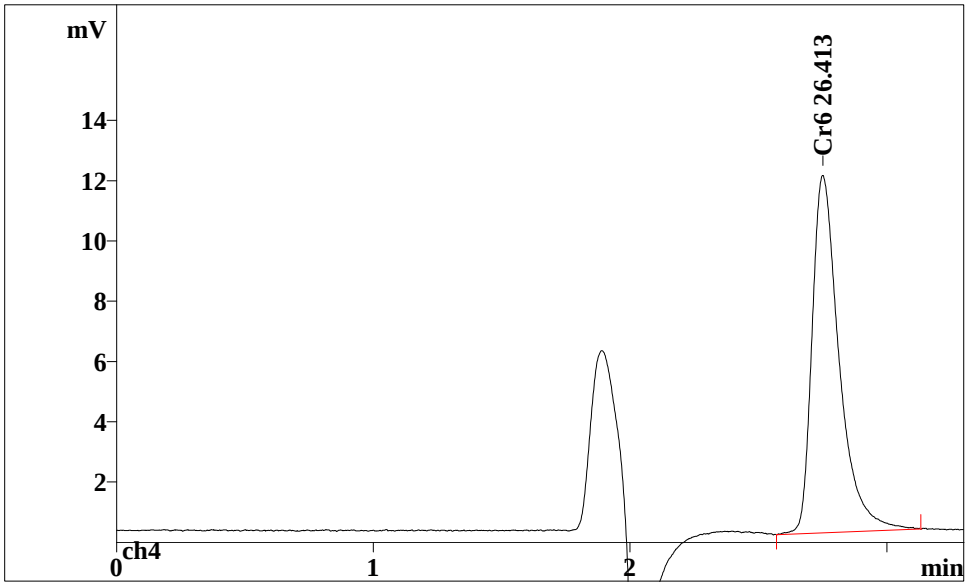
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17782

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.75;	0.107;	11.87;	99.98;	87.235;	100.00;	0.00;	0.00;	31

Report date: 8/27/2009 12:04:31 PM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 8/21/2009 5:16:01 PM
File: t8211716.chw Last save: 8/27/2009 12:00:24 PM

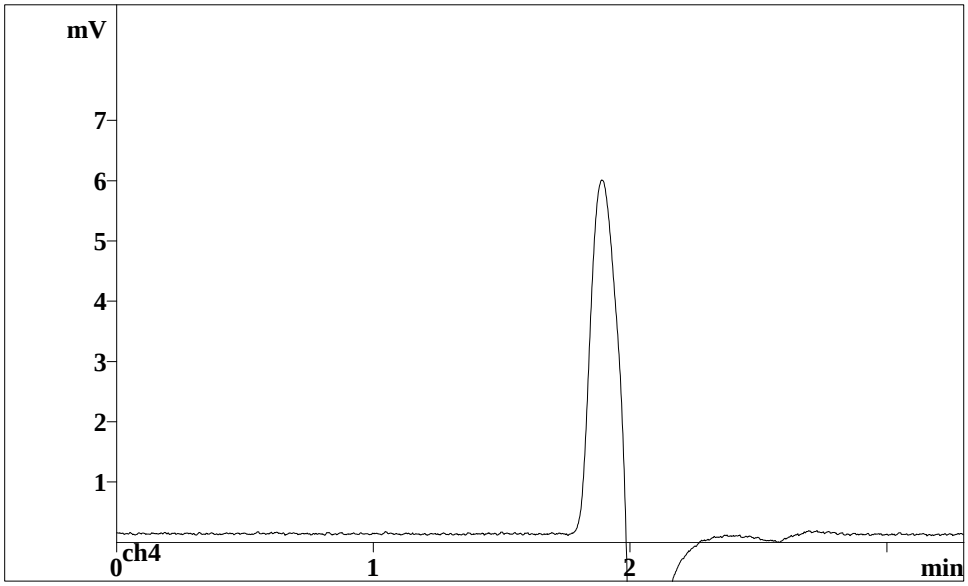
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17783

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: 7.6 MPa



No peaks

Report date: 8/27/2009 12:04:34 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-15-A@50
Analysis from: 8/21/2009 5:23:09 PM
File: t8211723.chw Last save: 8/27/2009 12:00:24 PM

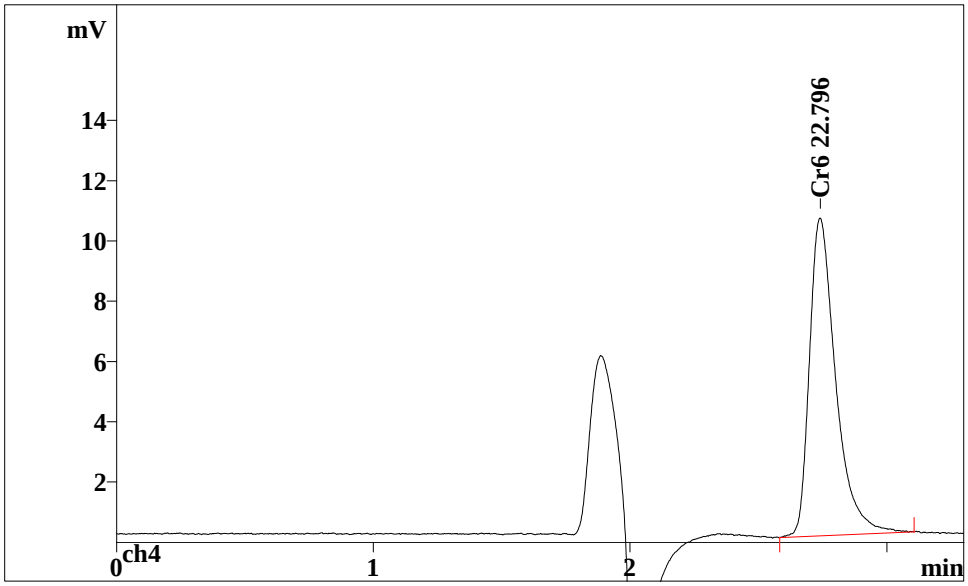
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17784

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.104;	10.55;	99.96;	75.071;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 12:04:39 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-15-A@50
Analysis from: 8/21/2009 5:30:19 PM
File: t8211730.chw Last save: 8/27/2009 12:00:24 PM

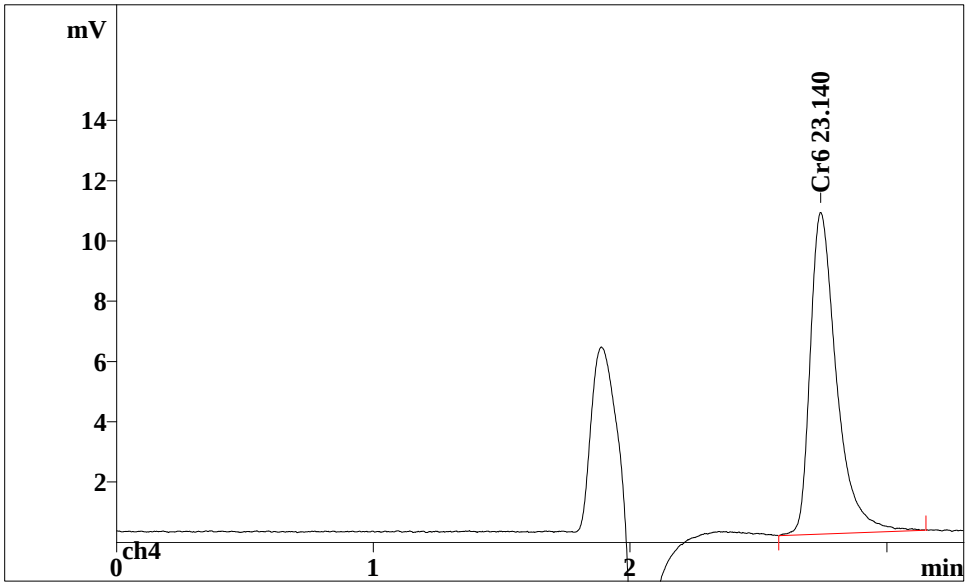
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17785

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.104;	10.68;	99.96;	76.230;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 12:04:42 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-15-B DU@50
Analysis from: 8/21/2009 5:37:28 PM
File: t8211737.chw Last save: 8/27/2009 12:00:25 PM

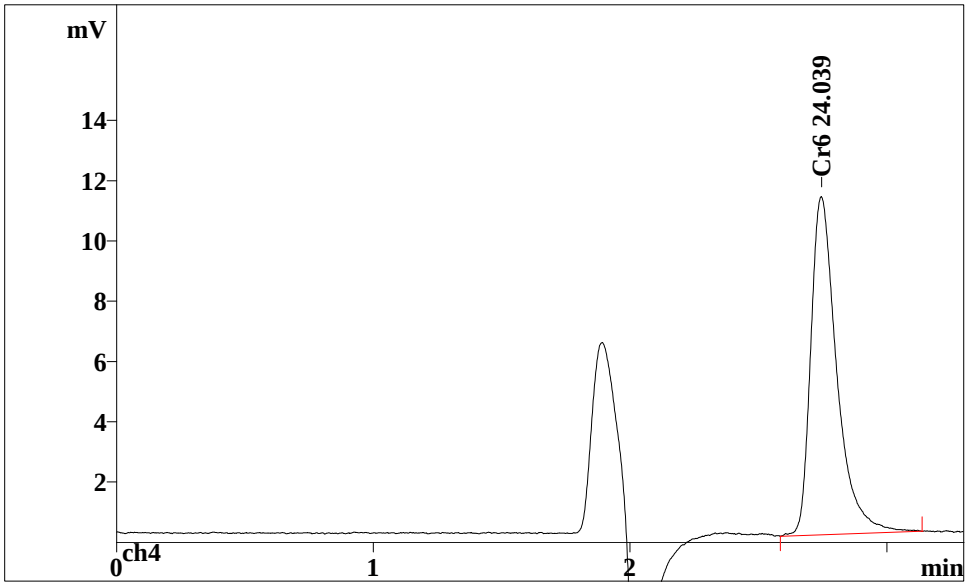
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17786

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.103;	11.23;	99.99;	79.250;	100.00;	0.00;	0.00;	34

Report date: 8/27/2009 12:04:45 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-15-B DU@50
Analysis from: 8/21/2009 5:44:38 PM
File: t8211744.chw Last save: 8/27/2009 12:00:25 PM

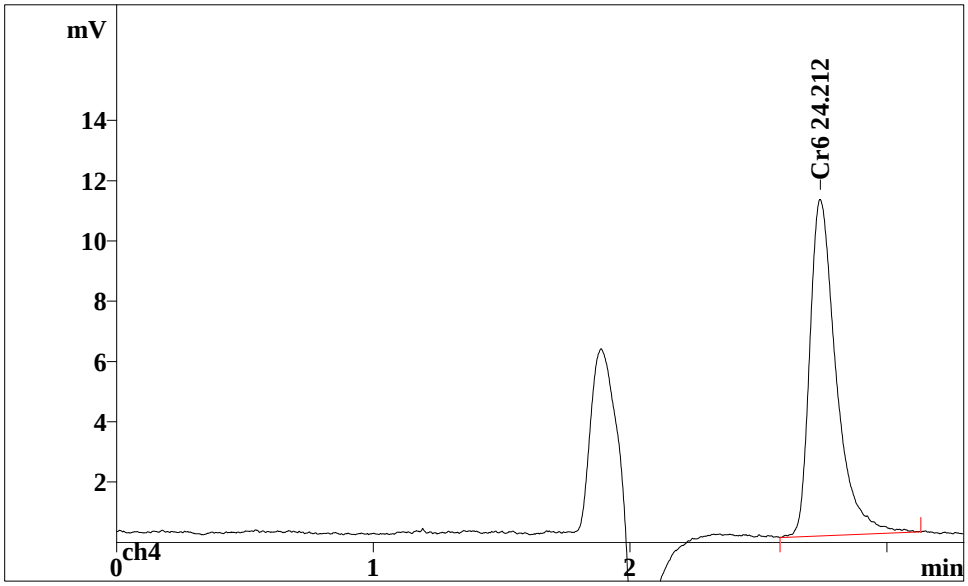
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17787

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.103;	11.17;	99.94;	79.831;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 12:04:49 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-16-A@40
Analysis from: 8/21/2009 5:51:48 PM
File: t8211751.chw Last save: 8/27/2009 12:00:25 PM

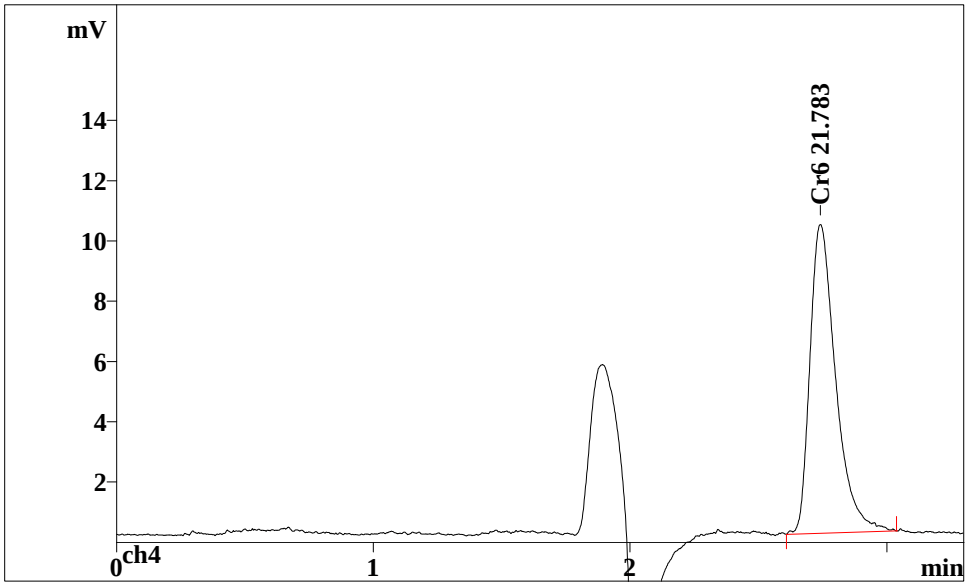
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17788

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.104;	10.26;	100.07;	71.666;	100.00;	0.00;	0.00;	34

Report date: 8/27/2009 12:04:53 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-16-A@40
Analysis from: 8/21/2009 5:58:59 PM
File: t8211758.chw Last save: 8/27/2009 12:00:25 PM

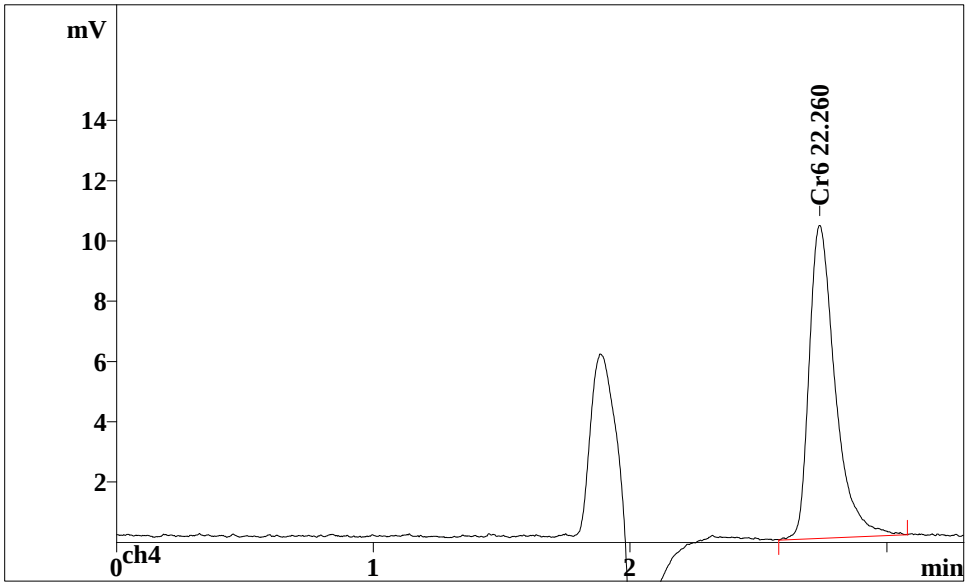
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17789

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.103;	10.40;	100.00;	73.269;	100.00;	0.00;	0.00;	34

Report date: 8/27/2009 12:04:57 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-17-A@20
Analysis from: 8/21/2009 6:06:10 PM
File: t8211806.chw Last save: 8/27/2009 12:00:25 PM

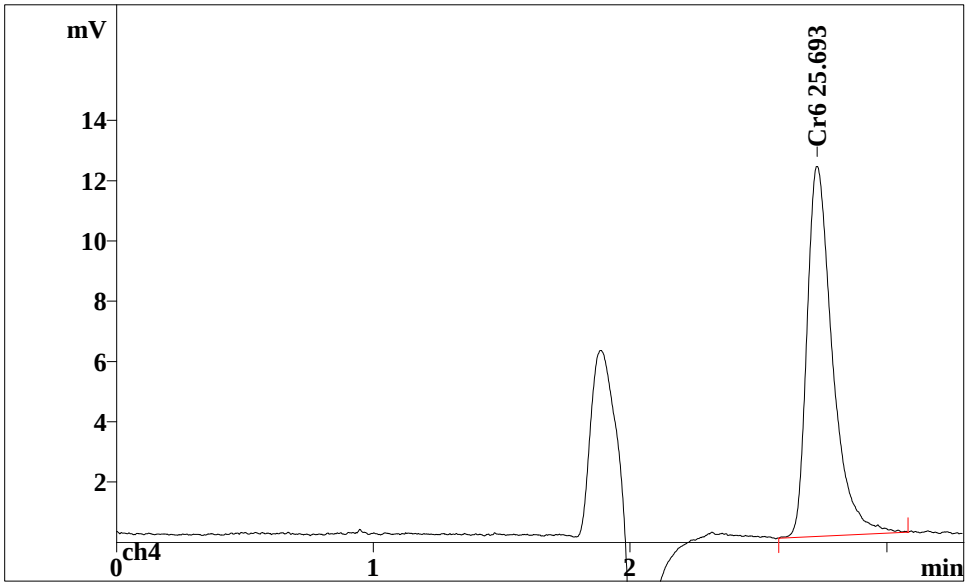
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17790

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.101;	12.30;	100.05;	84.812;	100.00;	0.00;	0.00;	35

Report date: 8/27/2009 12:05:00 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-17-A@20
Analysis from: 8/21/2009 6:13:22 PM
File: t8211813.chw Last save: 8/27/2009 12:00:25 PM

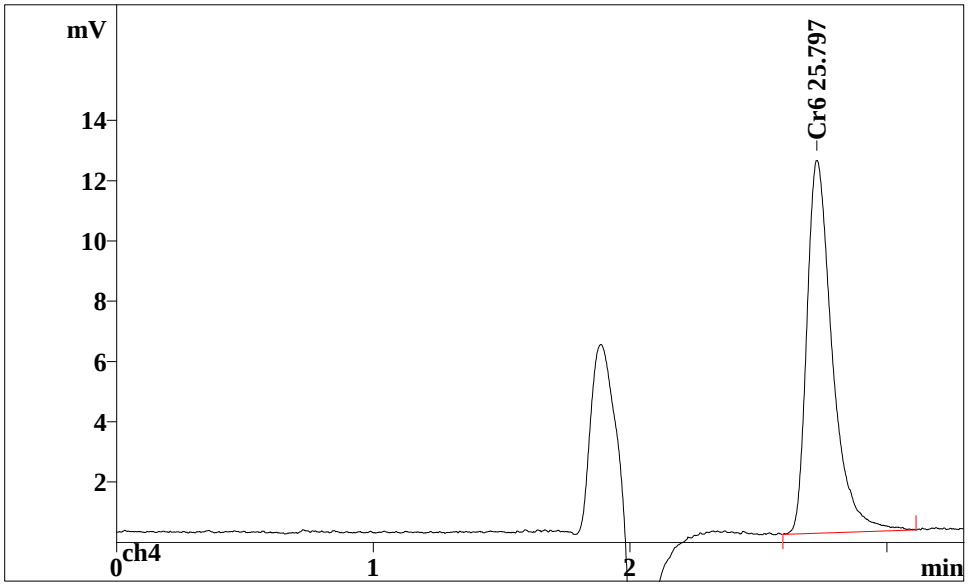
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17791

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.100;	12.40;	100.02;	85.162;	100.00;	0.00;	0.00;	35

Report date: 8/27/2009 12:05:04 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-18-A@50
Analysis from: 8/21/2009 6:20:35 PM
File: t8211820.chw Last save: 8/27/2009 12:00:25 PM

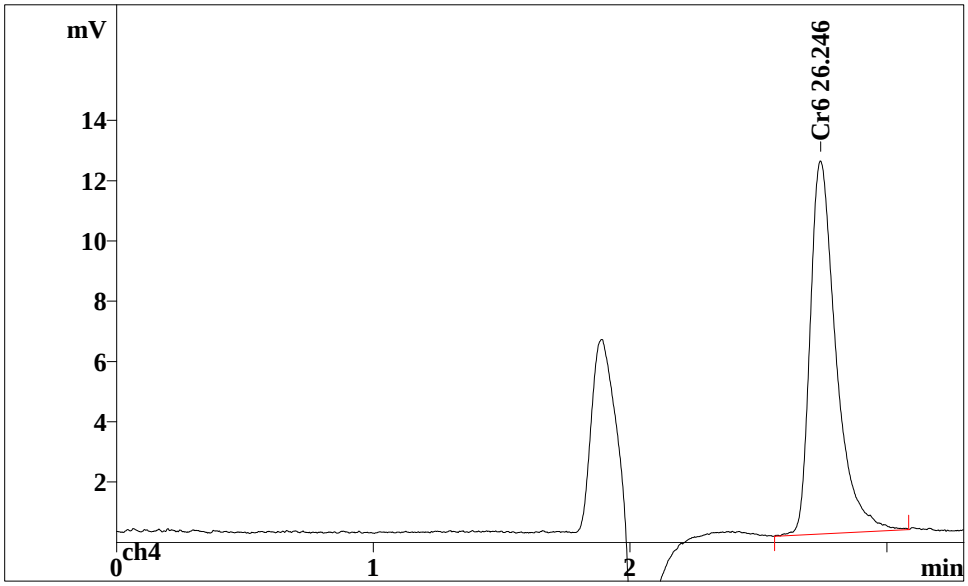
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17792

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.102;	12.38;	99.99;	86.672;	100.00;	0.00;	0.00;	34

Report date: 8/27/2009 12:05:07 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-18-A@50
Analysis from: 8/21/2009 6:27:49 PM
File: t8211827.chw Last save: 8/27/2009 12:00:26 PM

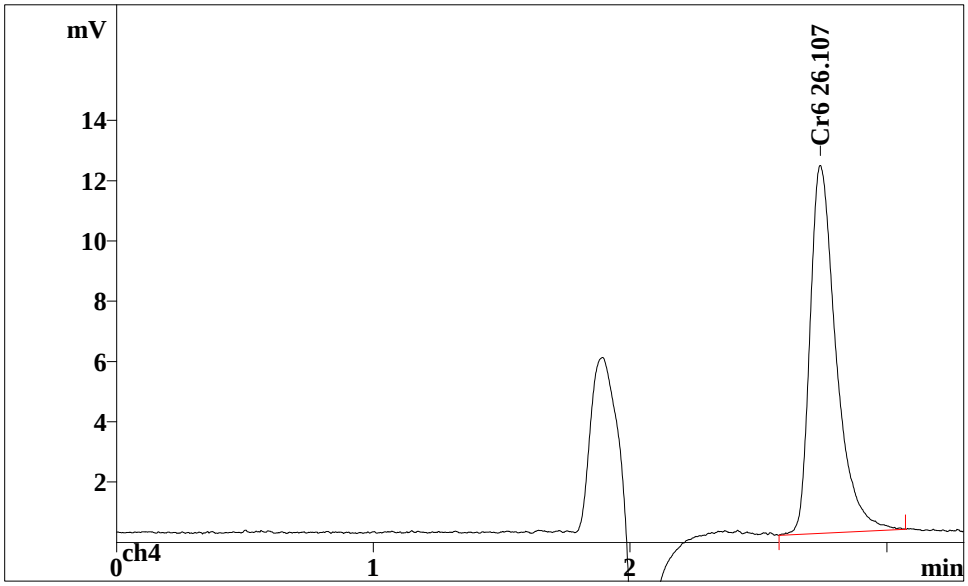
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17793

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.103;	12.22;	99.95;	86.206;	100.00;	0.00;	0.00;	34

Report date: 8/27/2009 12:05:11 PM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 8/21/2009 6:35:03 PM
File: t8211835.chw Last save: 8/27/2009 12:00:26 PM

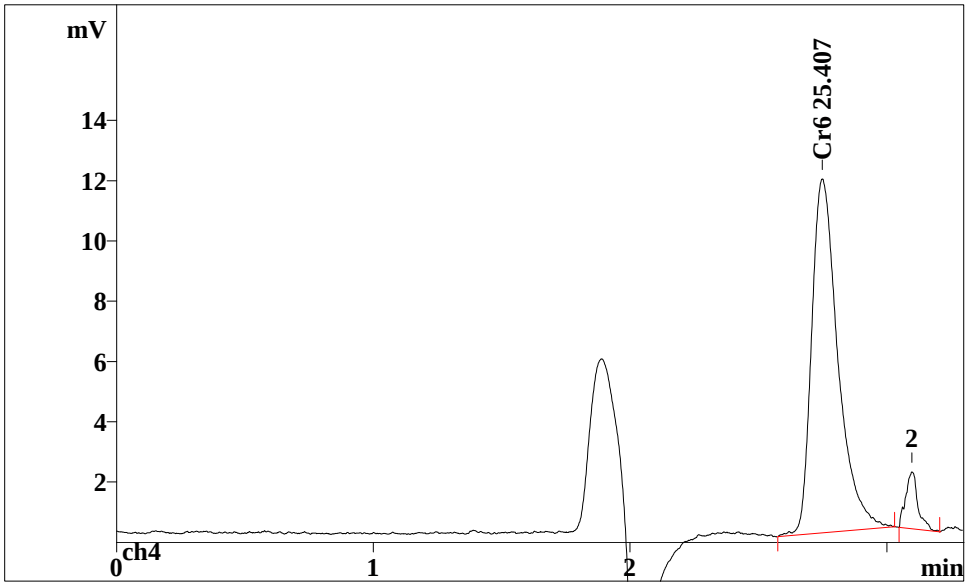
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17794

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.75;	0.104;	11.75;	86.17;	83.852;	93.00;	0.00;	2.75;	33

Report date: 8/27/2009 12:05:16 PM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 8/21/2009 6:42:18 PM
File: t8211842.chw Last save: 8/27/2009 12:00:26 PM

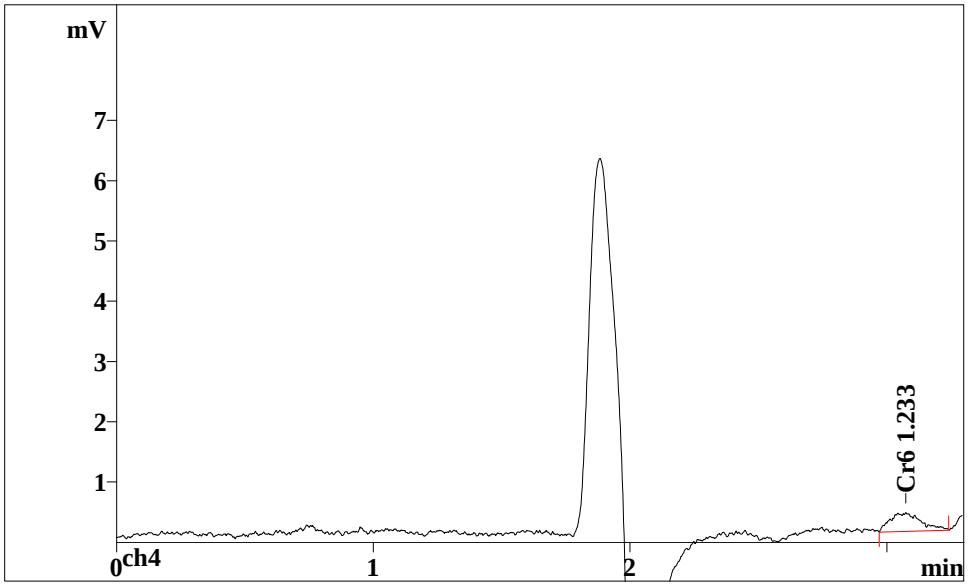
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17795

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	3.07;	0.137;	0.30;	95.50;	2.567;	100.00;	0.00;	0.00;	31

Report date: 8/27/2009 12:05:20 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-19-A@40
Analysis from: 8/21/2009 6:49:33 PM
File: t8211849.chw Last save: 8/27/2009 12:00:26 PM

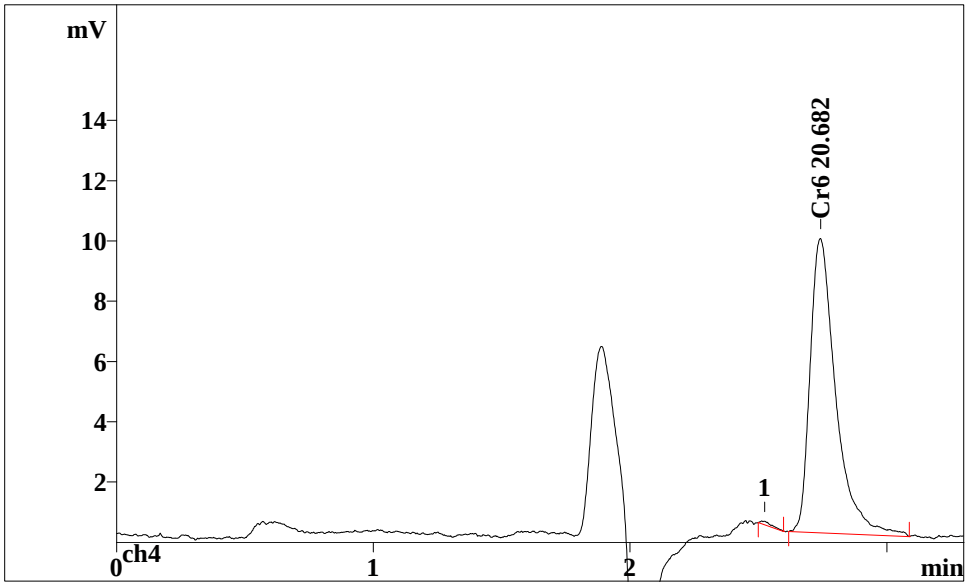
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17796

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.100;	9.77;	98.71;	67.964;	99.45;	0.00;	0.00;	35

Report date: 8/27/2009 12:05:26 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-19-A@40
Analysis from: 8/21/2009 6:56:49 PM
File: t8211856.chw Last save: 8/27/2009 12:00:26 PM

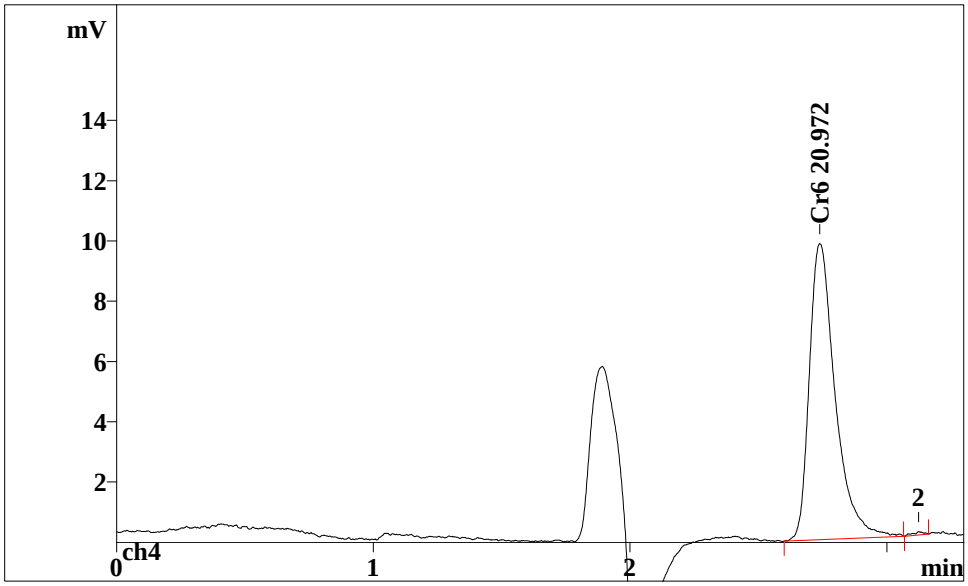
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17797

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.102;	9.83;	98.94;	68.939;	99.55;	0.00;	3.28;	34

Report date: 8/27/2009 12:05:29 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-20-A@50
Analysis from: 8/21/2009 7:04:07 PM
File: t8211904.chw Last save: 8/27/2009 12:00:26 PM

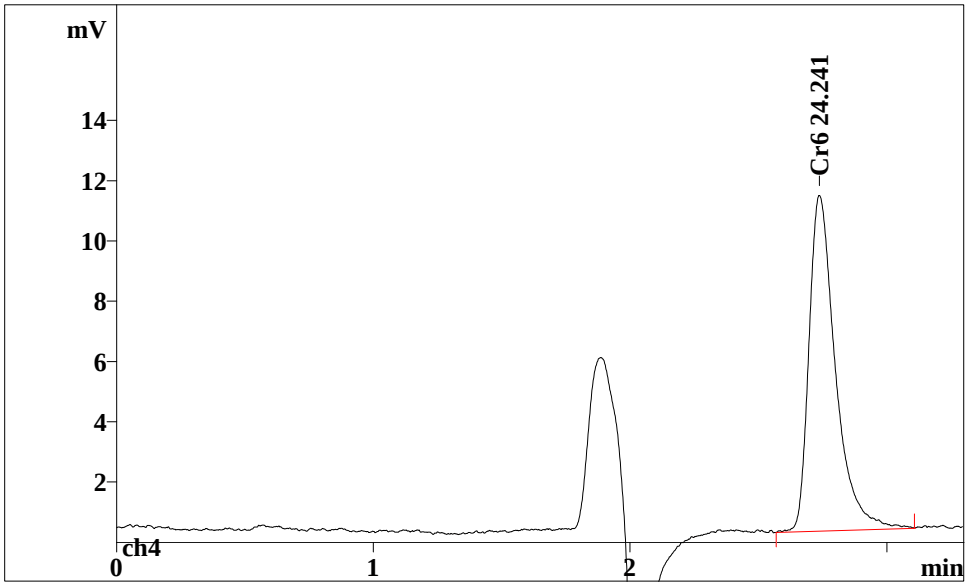
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17798

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.104;	11.15;	100.00;	79.930;	100.00;	0.00;	0.00;	32

Report date: 8/27/2009 12:05:33 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-20-A@50
Analysis from: 8/21/2009 7:11:24 PM
File: t8211911.chw Last save: 8/27/2009 12:00:26 PM

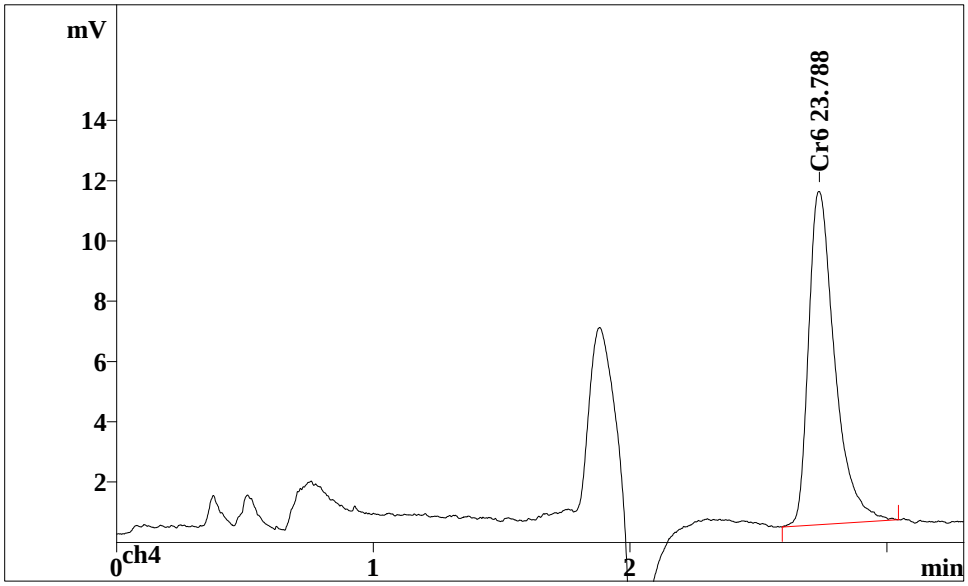
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17799

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.104;	11.07;	100.01;	78.406;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 12:05:36 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-11-A@50
Analysis from: 8/21/2009 7:18:42 PM
File: t8211918.chw Last save: 8/27/2009 12:00:27 PM

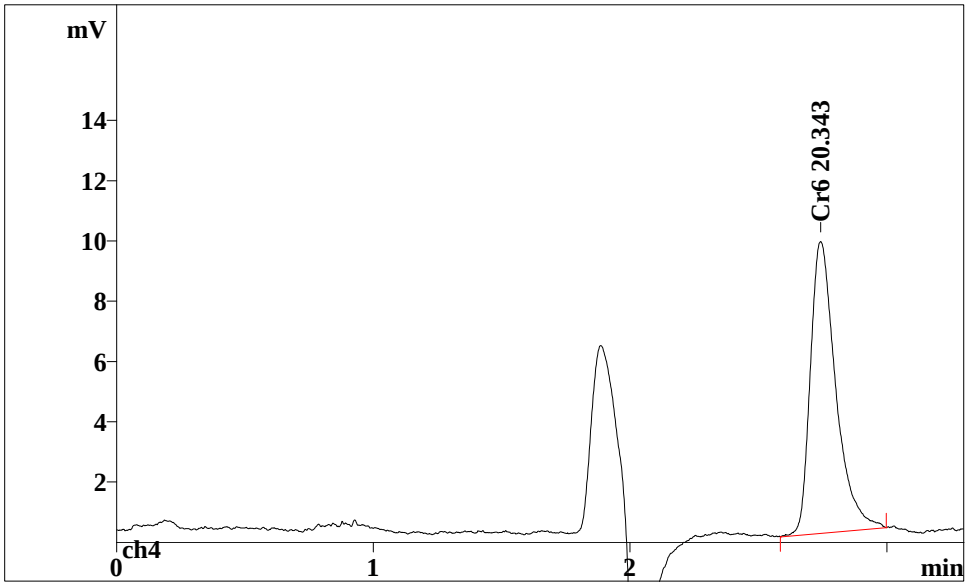
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17800

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: 7.7 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.74;	0.102;	9.69;	100.04;	66.824;	100.00;	0.00;	0.00;	35

Report date: 8/27/2009 12:05:40 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-11-A@50
Analysis from: 8/21/2009 7:26:01 PM
File: t8211926.chw Last save: 8/27/2009 12:00:27 PM

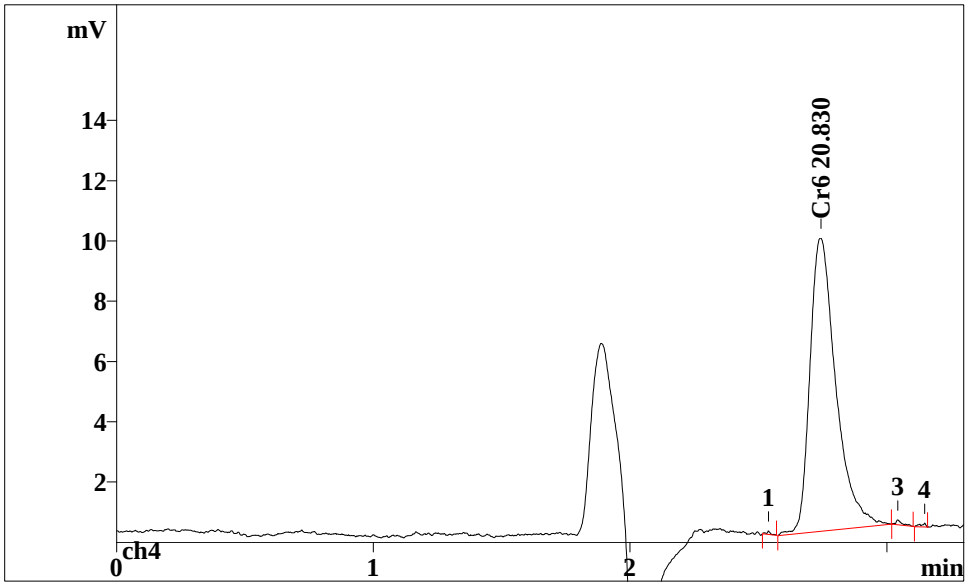
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17801

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.103;	9.74;	96.14;	68.460;	99.16;	0.00;	2.97;	34

Report date: 8/27/2009 12:05:44 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-1-E PDS
Analysis from: 8/21/2009 7:33:19 PM
File: t8211933.chw Last save: 8/27/2009 12:00:27 PM

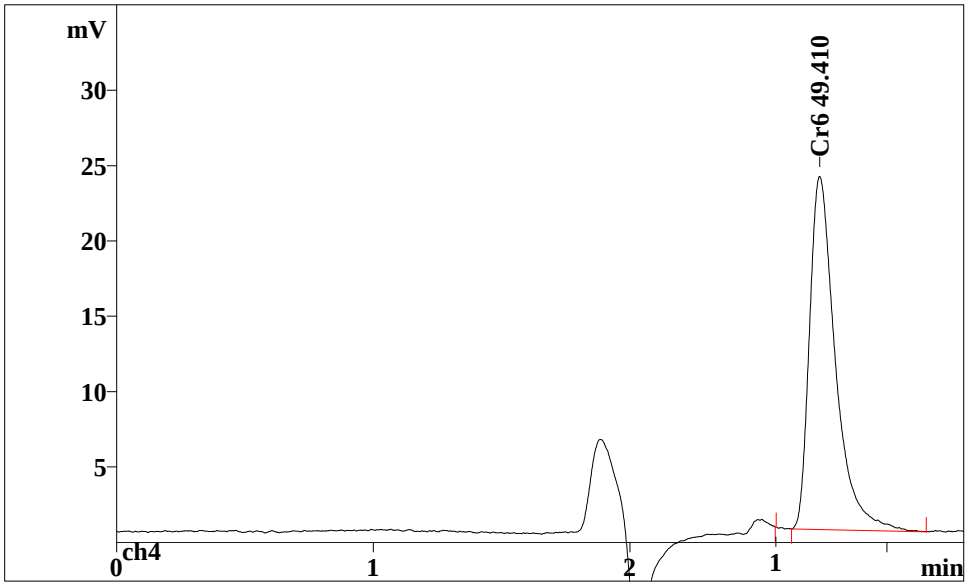
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17802

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.102;	23.45;	99.93;	164.558;	100.00;	0.00;	0.00;	34

Report date: 8/27/2009 12:05:47 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-1-E PDS
Analysis from: 8/21/2009 7:40:38 PM
File: t8211940.chw Last save: 8/27/2009 12:00:27 PM

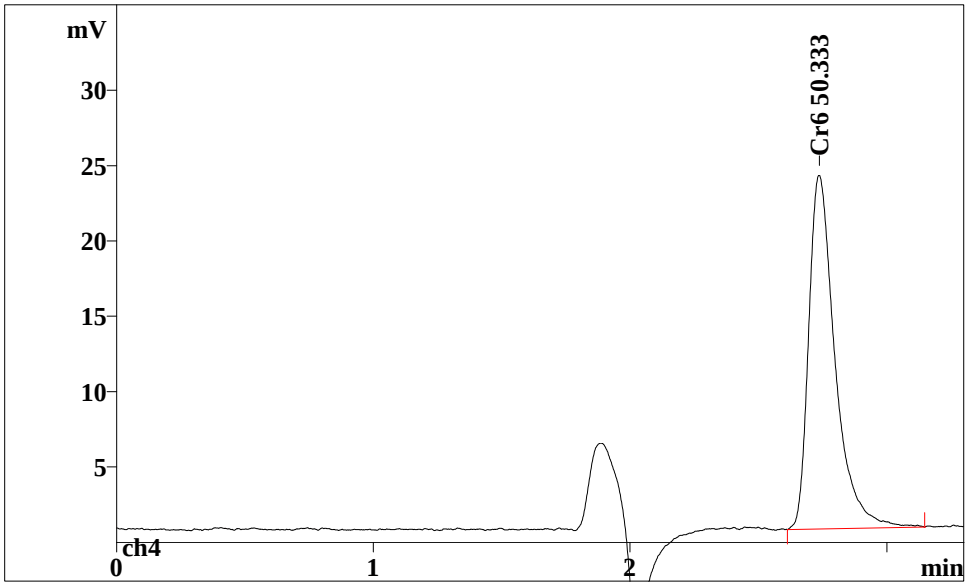
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17803

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.103;	23.51;	100.02;	167.663;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 12:05:50 PM
Printed by: TestAmerica - Edison

Ident: 460-4810-A-2-E PDS@20
Analysis from: 8/21/2009 7:47:56 PM
File: t8211947.chw Last save: 8/27/2009 12:00:27 PM

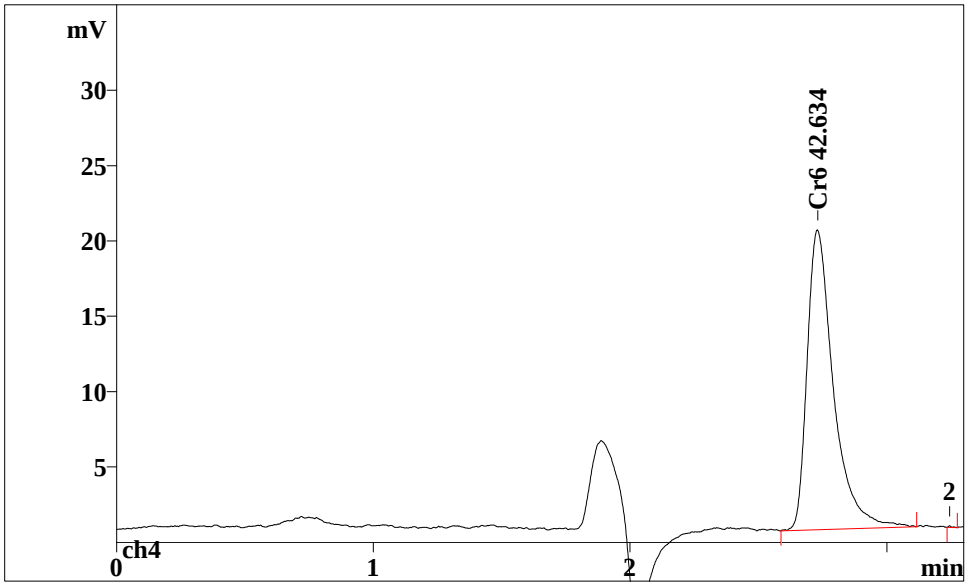
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17804

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: 7.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.102;	19.90;	99.43;	141.776;	99.93;	0.00;	5.37;	33

Report date: 8/27/2009 12:05:53 PM
Printed by: TestAmerica - Edison

Ident: 460-4810-A-2-E PDS@20
Analysis from: 8/21/2009 7:55:15 PM
File: t8211955.chw Last save: 8/27/2009 12:00:27 PM

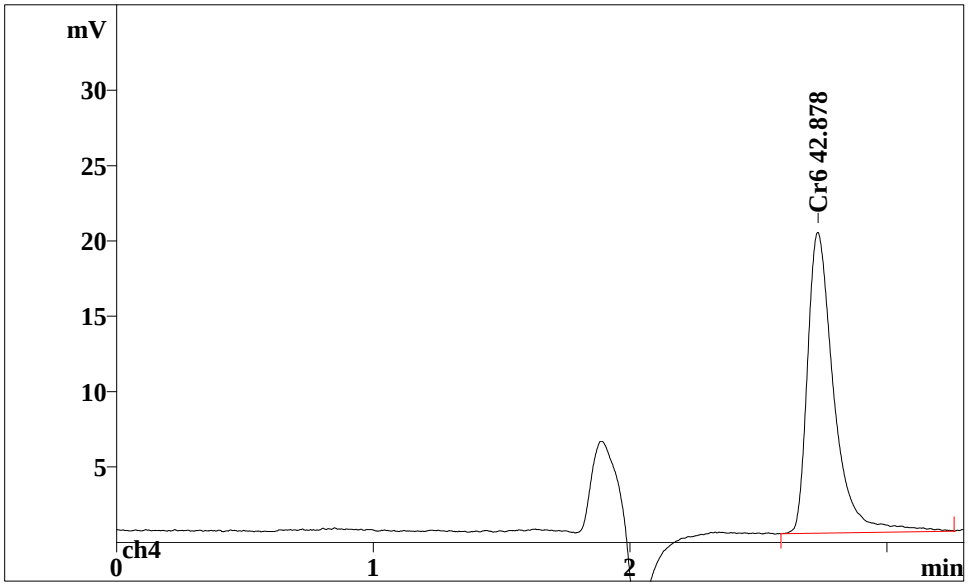
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17805

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.102;	19.98;	100.01;	142.594;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 12:05:57 PM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 8/21/2009 8:02:33 PM
File: t8212002.chw Last save: 8/27/2009 12:00:28 PM

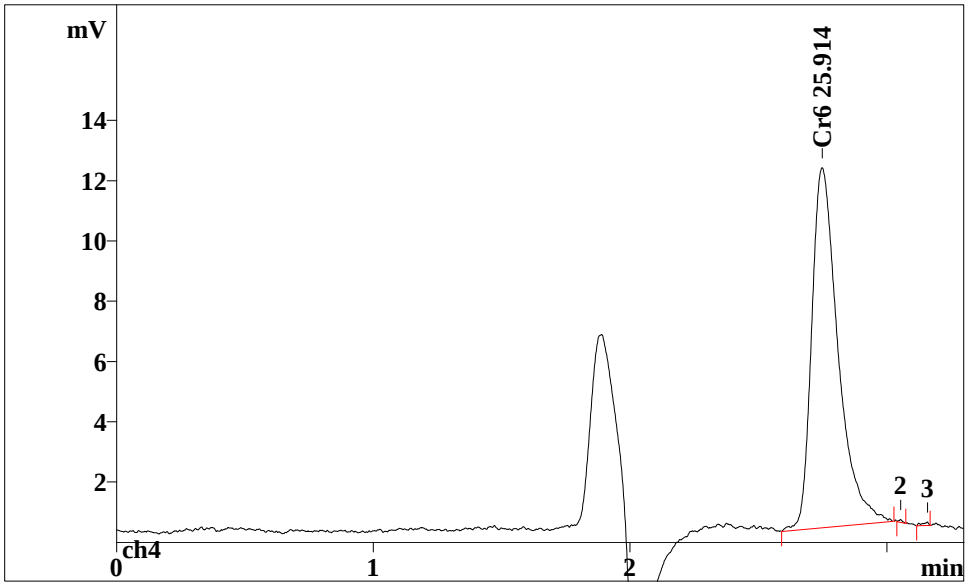
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17806

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.75;	0.105;	11.95;	98.12;	85.556;	99.65;	0.00;	3.11;	33

Report date: 8/27/2009 12:06:00 PM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 8/21/2009 8:09:51 PM
File: t8212009.chw Last save: 8/27/2009 12:00:28 PM

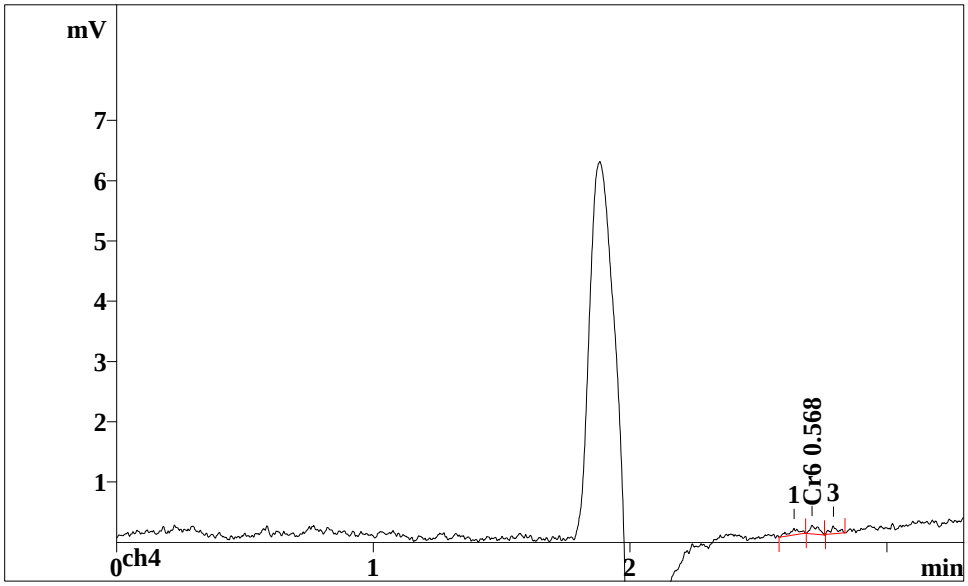
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17807

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.040;	0.14;	37.94;	0.331;	38.49;	0.00;	1.65;	313

Report date: 8/27/2009 12:06:05 PM
Printed by: TestAmerica - Edison

Ident: MB 460-14913/1-A@10
Analysis from: 8/21/2009 8:17:10 PM
File: t8212017.chw Last save: 8/27/2009 12:00:28 PM

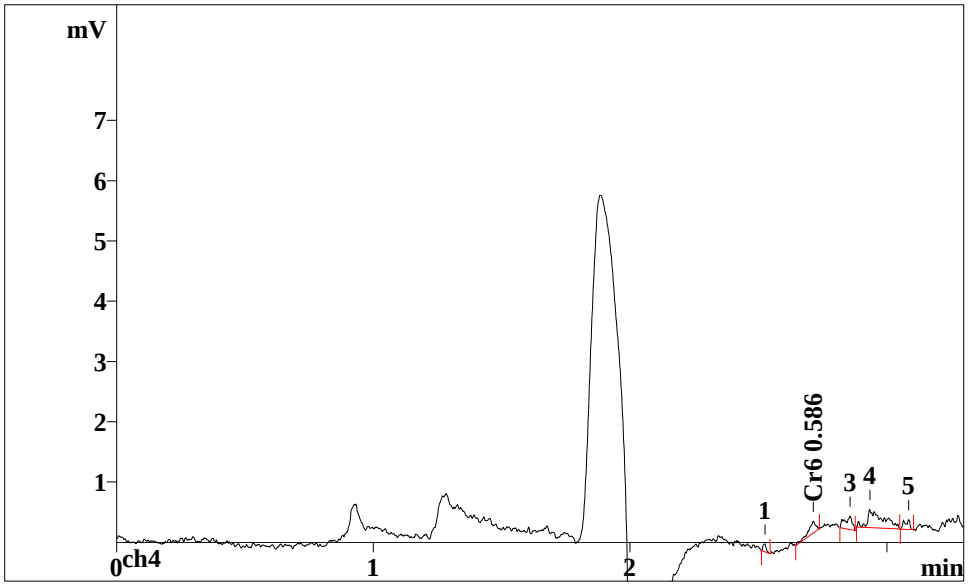
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17808

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.026;	0.19;	19.24;	0.391;	16.11;	0.00;	3.28;	407

Report date: 8/27/2009 12:06:09 PM
Printed by: TestAmerica - Edison

Ident: MB 460-14913/1-A@10
Analysis from: 8/21/2009 8:24:28 PM
File: t8212024.chw Last save: 8/27/2009 12:00:28 PM

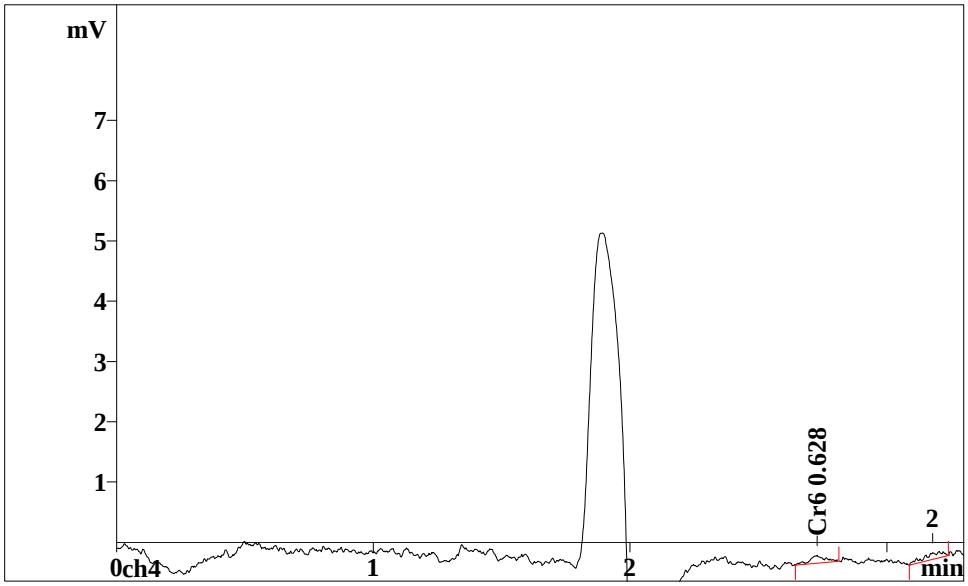
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17809

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.059;	0.12;	50.94;	0.532;	49.40;	0.00;	4.13;	102

Report date: 8/27/2009 12:06:13 PM
Printed by: TestAmerica - Edison

Ident: LCS 460-14913/2-A@10
Analysis from: 8/21/2009 8:31:45 PM
File: t8212031.chw Last save: 8/27/2009 12:00:28 PM

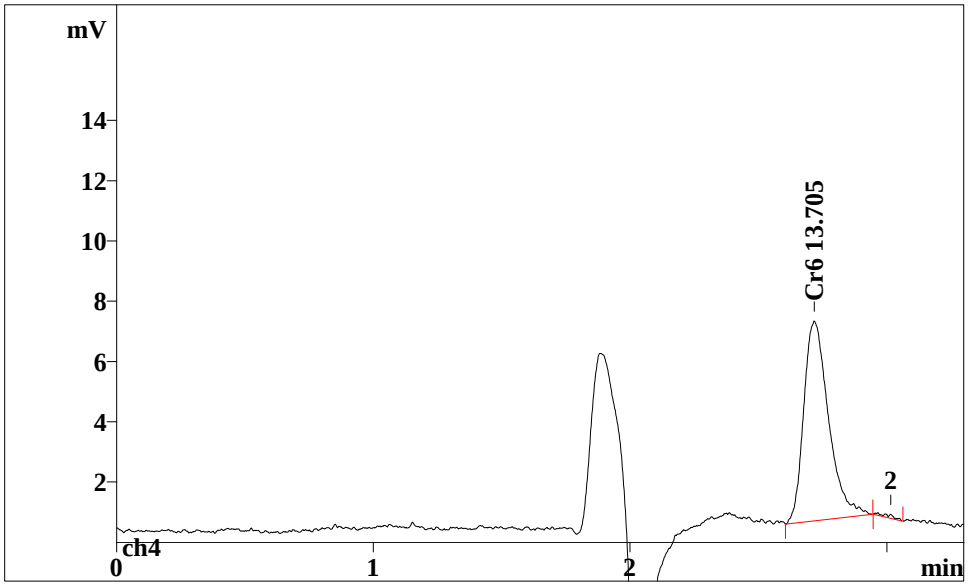
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17810

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.101;	6.61;	97.73;	44.505;	99.09;	0.00;	2.50;	37

Report date: 8/27/2009 12:06:18 PM
Printed by: TestAmerica - Edison

Ident: LCS 460-14913/2-A@10
Analysis from: 8/21/2009 8:39:02 PM
File: t8212039.chw Last save: 8/27/2009 12:00:29 PM

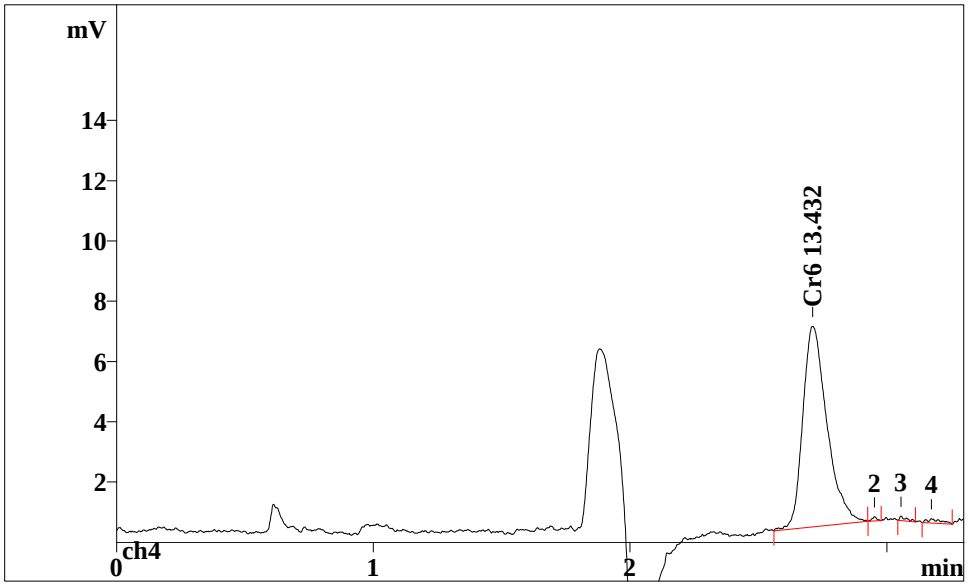
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17811

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.098;	6.66;	94.02;	43.587;	97.81;	0.00;	2.47;	38

Report date: 8/27/2009 12:06:22 PM
Printed by: TestAmerica - Edison

Ident: LCSI 460-14913/3-A@500
Analysis from: 8/21/2009 8:46:18 PM
File: t8212046.chw Last save: 8/27/2009 12:00:29 PM

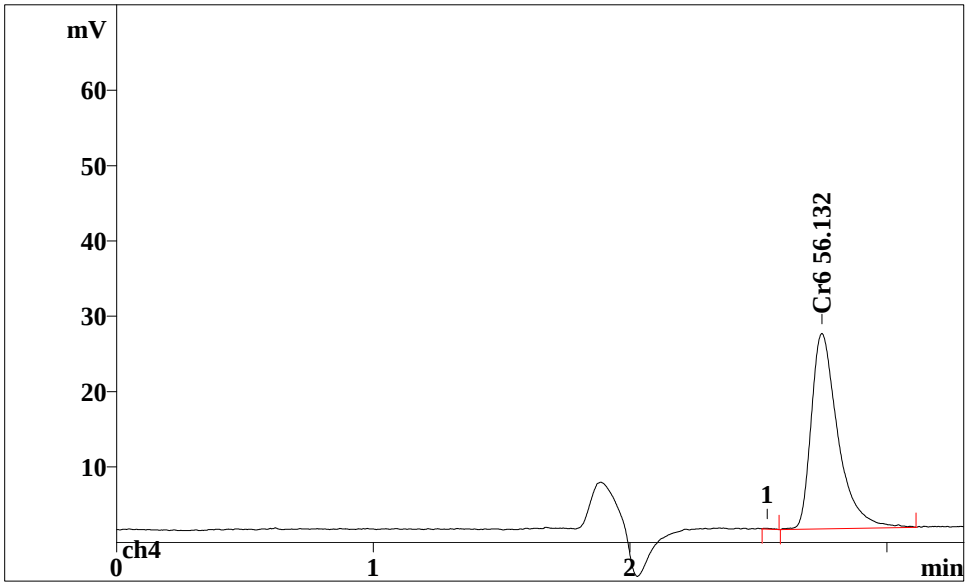
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17812

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.75;	0.105;	25.93;	99.57;	187.160;	99.87;	0.00;	0.00;	32

Report date: 8/27/2009 12:06:26 PM
Printed by: TestAmerica - Edison

Ident: LCSI 460-14913/3-A@500
Analysis from: 8/21/2009 8:53:34 PM
File: t8212053.chw Last save: 8/27/2009 12:00:29 PM

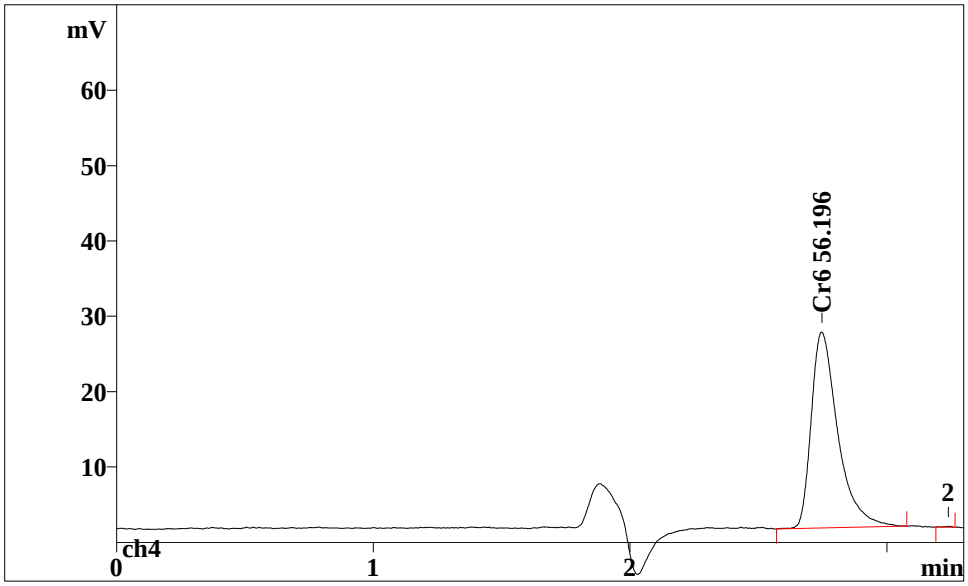
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17813

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.75;	0.105;	26.00;	99.51;	187.375;	99.86;	0.00;	4.28;	32

Report date: 8/27/2009 12:06:30 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-21-A DU@10
Analysis from: 8/21/2009 9:00:48 PM
File: t8212100.chw Last save: 8/27/2009 12:00:29 PM

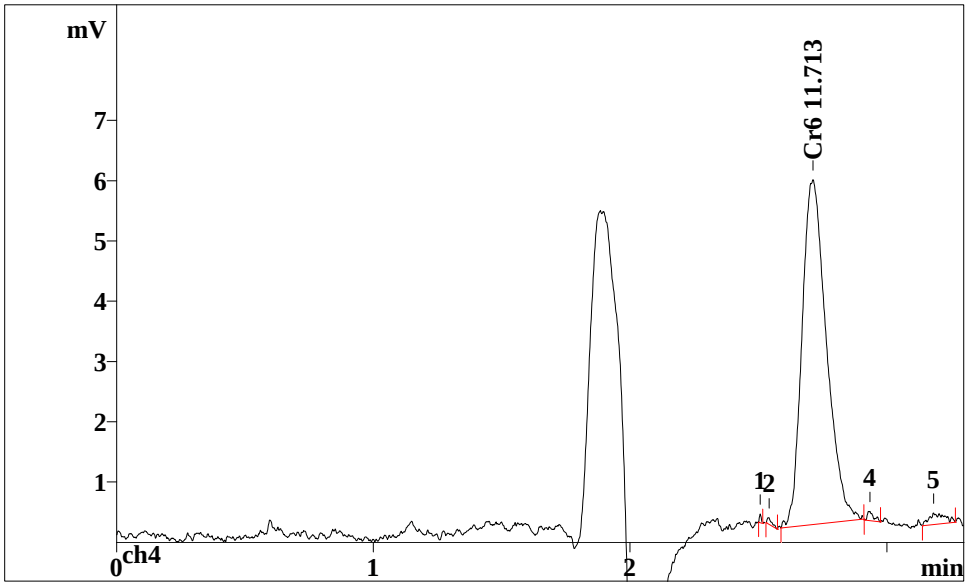
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17814

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.101;	5.70;	90.19;	37.804;	96.79;	0.00;	2.11;	38

Report date: 8/27/2009 12:06:34 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-21-A DU@10
Analysis from: 8/21/2009 9:08:08 PM
File: t8212108.chw Last save: 8/27/2009 12:00:29 PM

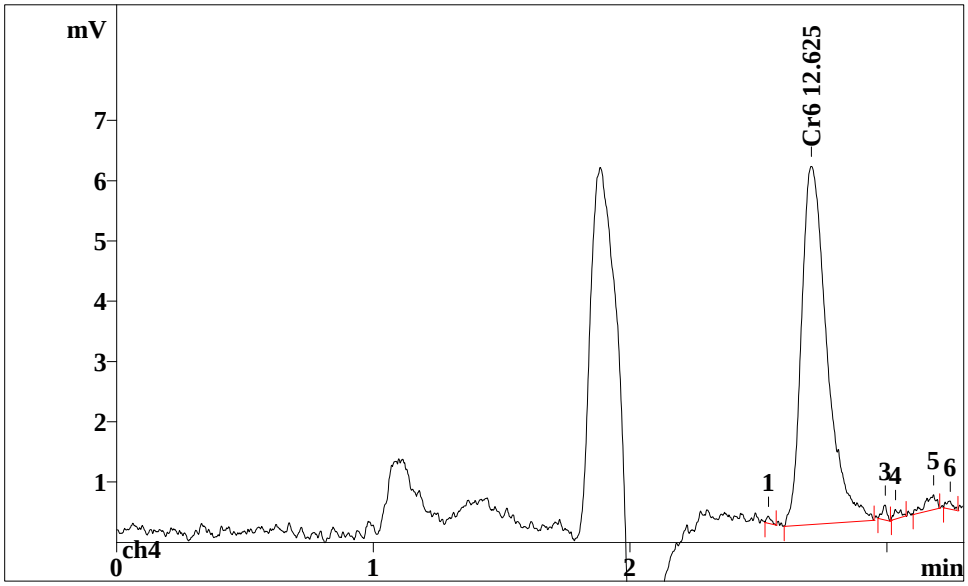
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17815

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: 7.7 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.71;	0.102;	5.95;	86.67;	40.871;	95.89;	0.00;	2.84;	35

Report date: 8/27/2009 12:06:37 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-21-B MS@40
Analysis from: 8/21/2009 9:15:21 PM
File: t8212115.chw Last save: 8/27/2009 12:00:29 PM

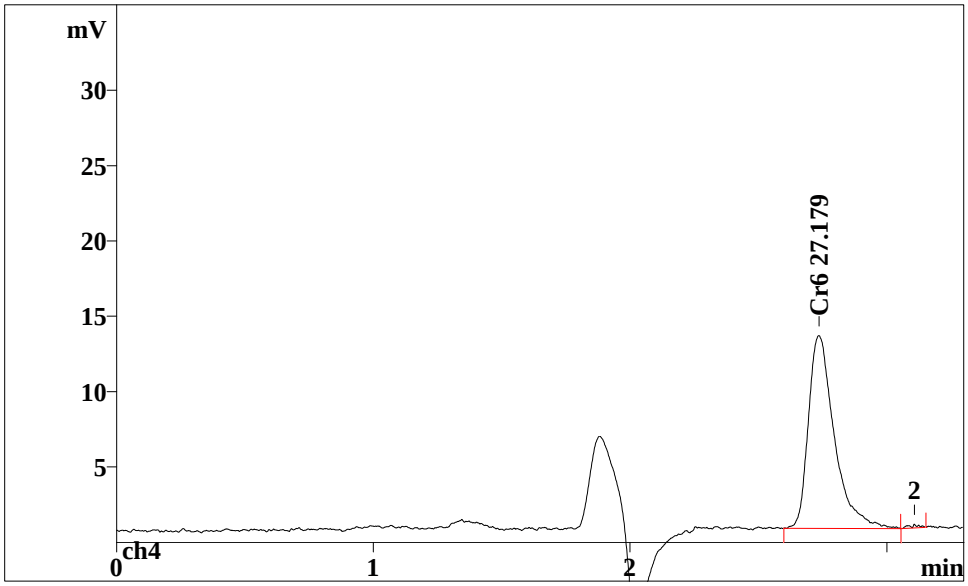
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17816

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.102;	12.80;	98.05;	89.809;	99.33;	0.00;	3.29;	34

Report date: 8/27/2009 12:06:41 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-21-B MS@40
Analysis from: 8/21/2009 9:22:34 PM
File: t8212122.chw Last save: 8/27/2009 12:00:30 PM

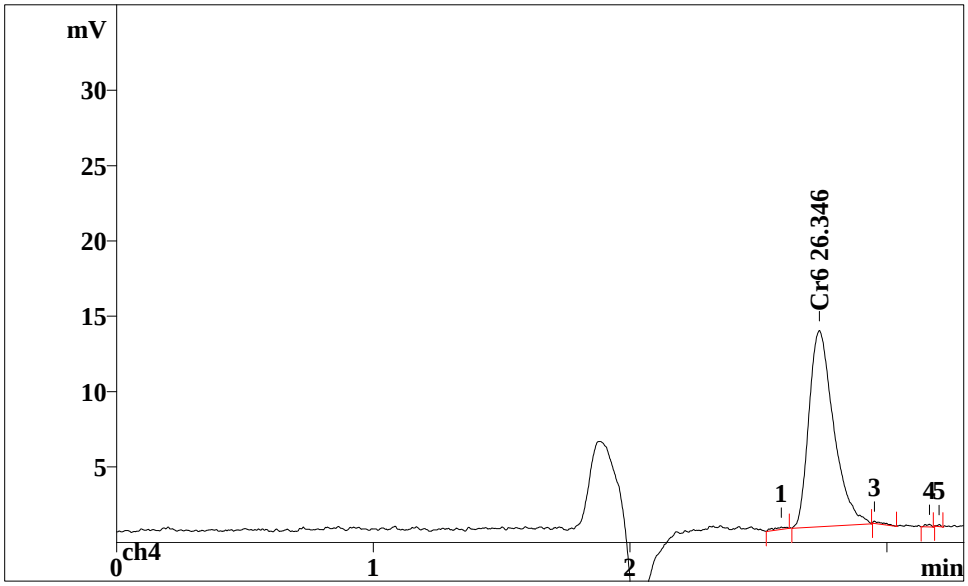
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17817

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.101;	13.00;	95.34;	87.008;	98.48;	0.00;	1.84;	37

Report date: 8/27/2009 12:06:45 PM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 8/21/2009 9:29:45 PM
File: t8212129.chw Last save: 8/27/2009 12:00:30 PM

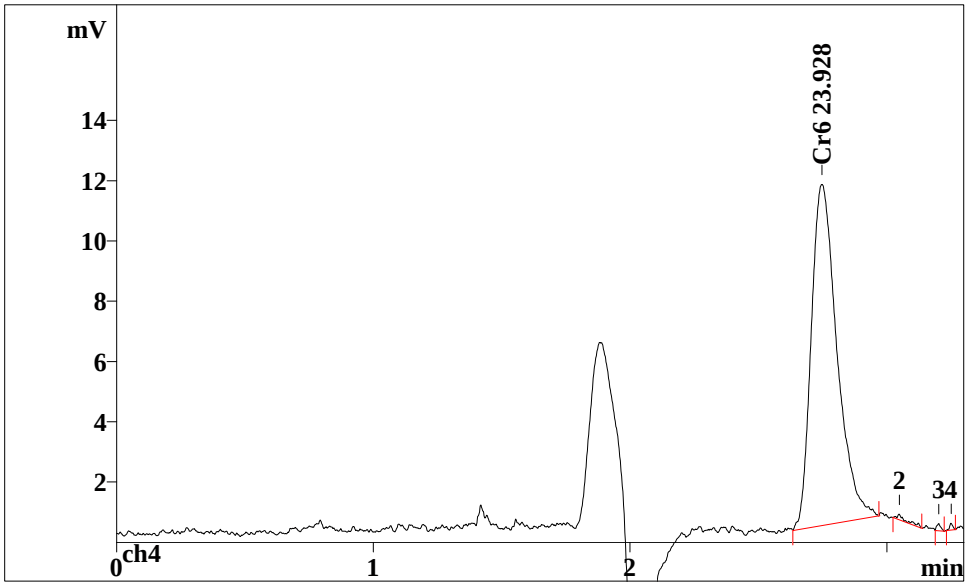
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17818

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.75;	0.104;	11.33;	94.56;	78.878;	98.80;	0.00;	2.82;	35

Report date: 8/27/2009 12:06:50 PM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 8/21/2009 9:36:56 PM
File: t8212136.chw Last save: 8/27/2009 12:00:30 PM

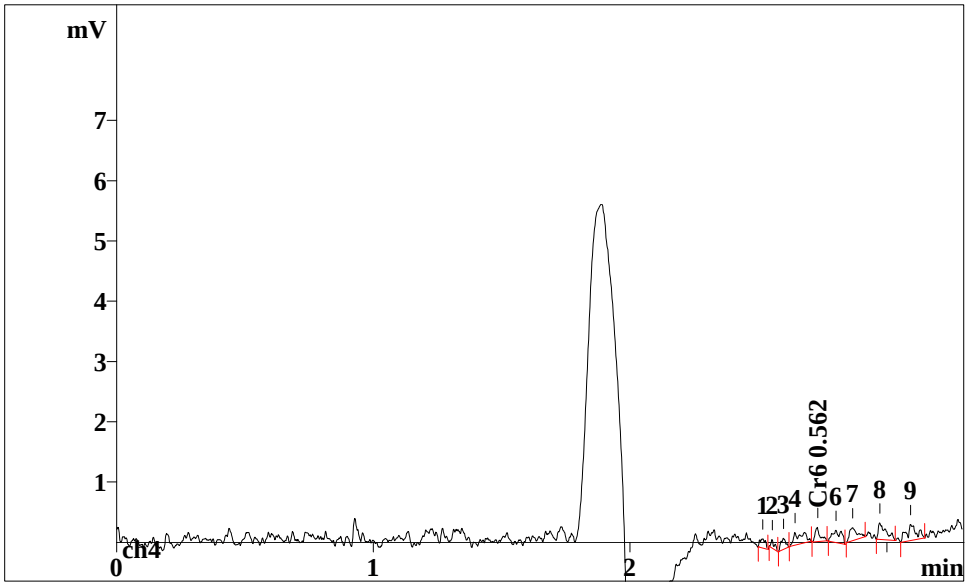
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17819

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.017;	0.24;	12.64;	0.312;	8.54;	0.00;	1.19;	954

Report date: 8/27/2009 12:06:53 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-21-C MSI@500
Analysis from: 8/21/2009 9:44:07 PM
File: t8212144.chw Last save: 8/27/2009 12:00:30 PM

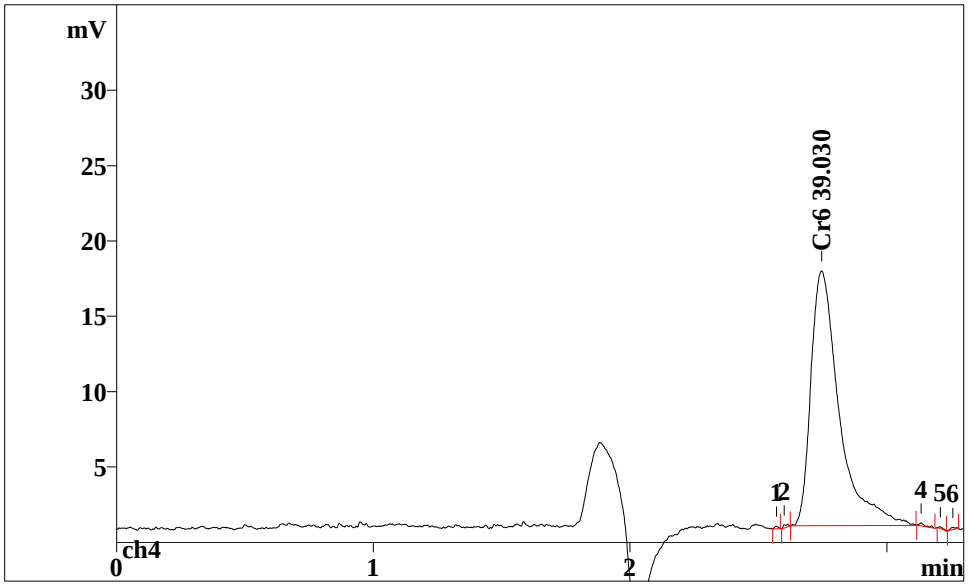
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17820

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: 7.7 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.75;	0.107;	16.91;	95.10;	129.656;	99.18;	0.00;	3.53;	29

Report date: 8/27/2009 12:06:56 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-21-C MSI@500
Analysis from: 8/21/2009 9:51:16 PM
File: t8212151.chw Last save: 8/27/2009 12:00:31 PM

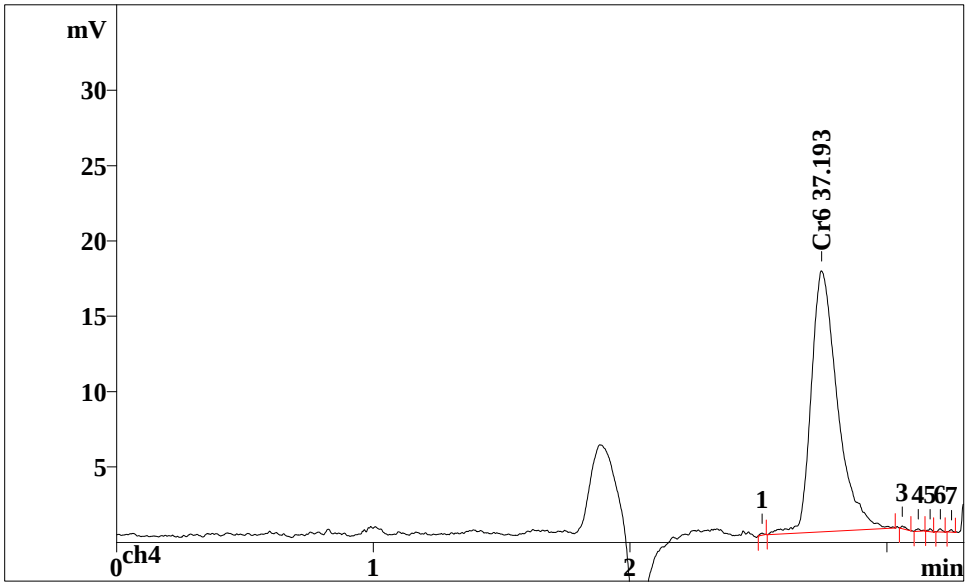
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17821

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: 7.7 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.75;	0.104;	17.33;	94.02;	123.479;	99.10;	0.00;	2.95;	33

Report date: 8/27/2009 12:07:00 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-21-D@10
Analysis from: 8/21/2009 9:58:25 PM
File: t8212158.chw Last save: 8/27/2009 12:00:31 PM

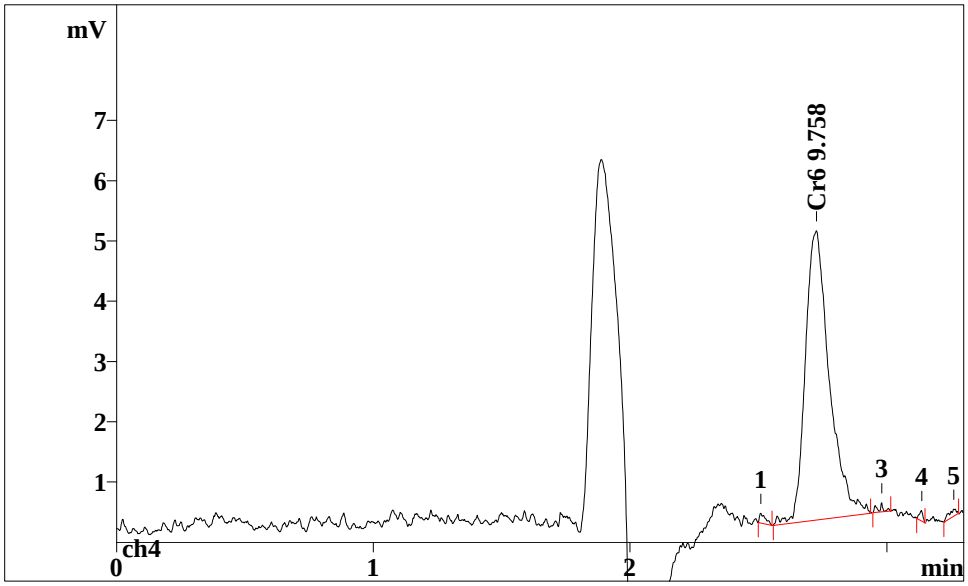
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17822

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.094;	4.80;	88.77;	31.233;	97.30;	0.00;	2.87;	39

Report date: 8/27/2009 12:07:03 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-21-D@10
Analysis from: 8/21/2009 10:05:34 PM
File: t8212205.chw Last save: 8/27/2009 12:00:31 PM

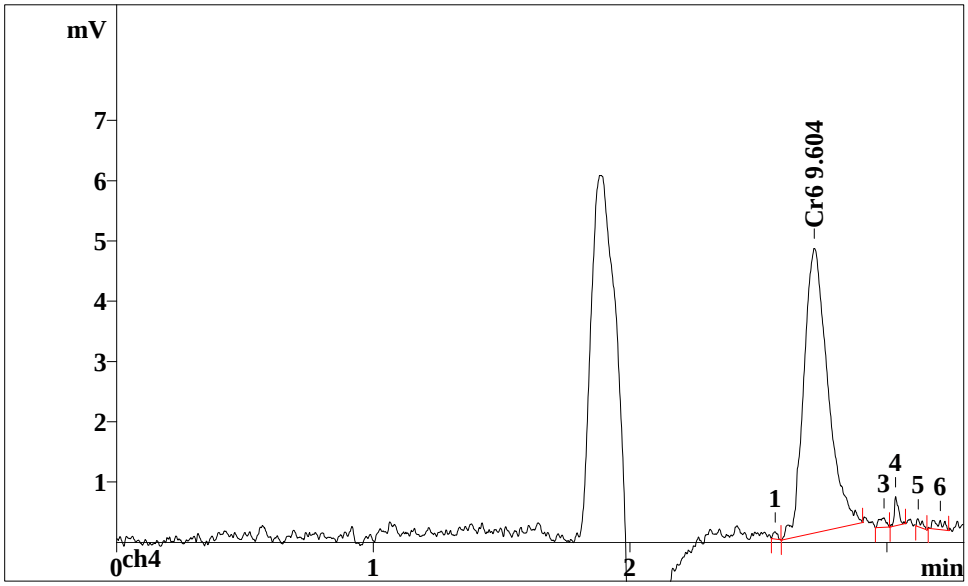
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17823

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: 7.7 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.72;	0.097;	4.72;	81.78;	30.716;	95.14;	0.00;	2.39;	39

Report date: 8/27/2009 12:07:07 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-22-A@10
Analysis from: 8/21/2009 10:12:44 PM
File: t8212212.chw Last save: 8/27/2009 12:00:31 PM

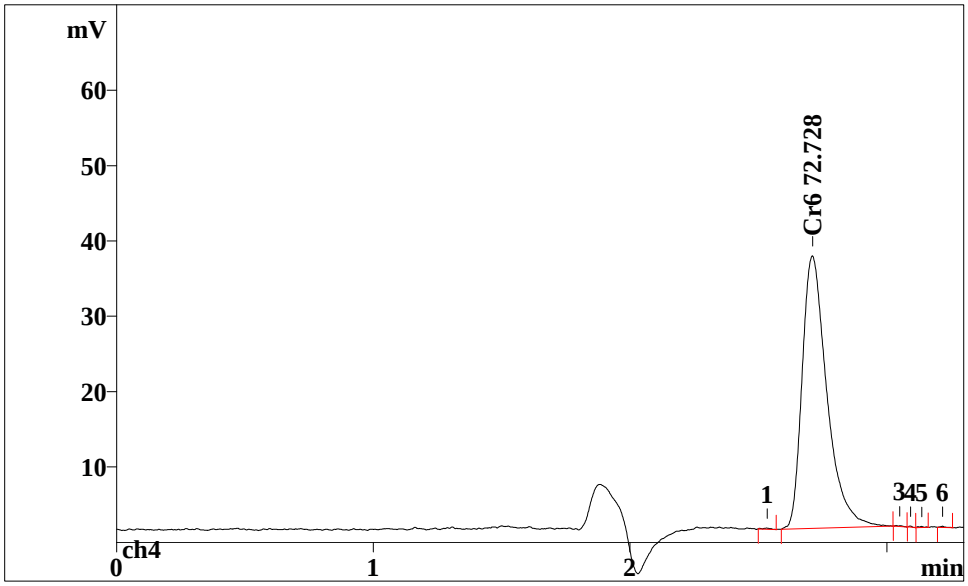
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17824

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.099;	36.19;	97.99;	242.964;	99.58;	0.00;	3.24;	36

Report date: 8/27/2009 12:07:11 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-22-A@10
Analysis from: 8/21/2009 10:19:53 PM
File: t8212219.chw Last save: 8/27/2009 12:00:32 PM

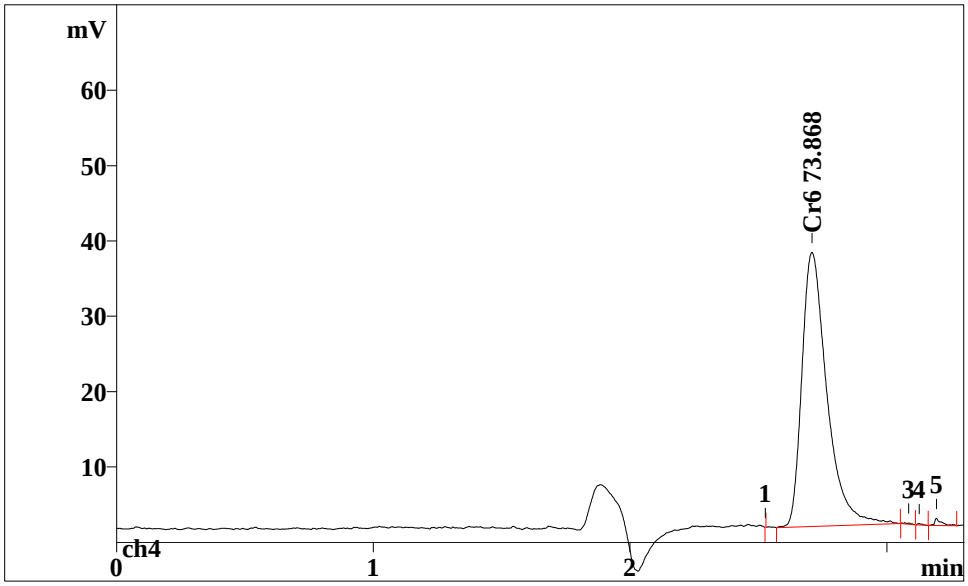
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17825

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.099;	36.38;	96.46;	246.798;	99.06;	0.00;	3.83;	36

Report date: 8/27/2009 12:07:14 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-23-A@10
Analysis from: 8/21/2009 10:27:02 PM
File: t8212227.chw Last save: 8/27/2009 12:00:32 PM

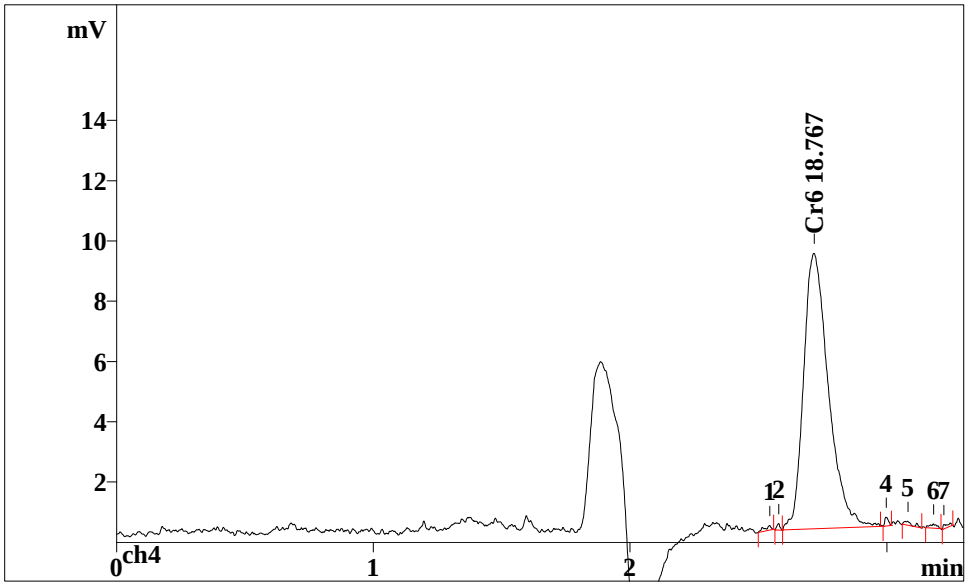
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17826

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.100;	9.15;	89.29;	61.523;	97.57;	0.00;	2.86;	36

Report date: 8/27/2009 12:07:18 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-23-A@10
Analysis from: 8/21/2009 10:34:12 PM
File: t8212234.chw Last save: 8/27/2009 12:00:32 PM

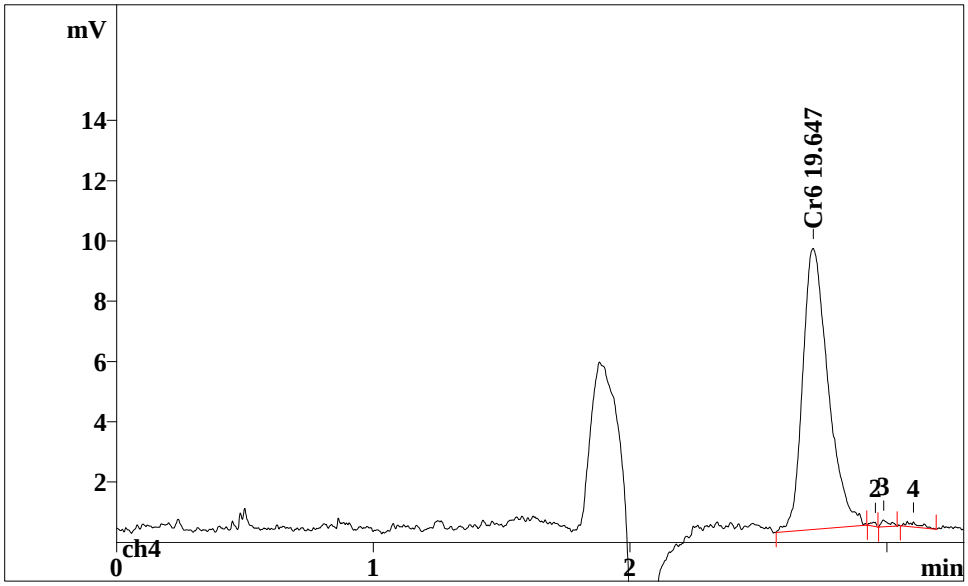
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17827

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.104;	9.32;	94.45;	64.485;	98.02;	0.00;	2.16;	34

Report date: 8/27/2009 12:07:21 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-24-A@10
Analysis from: 8/21/2009 10:41:23 PM
File: t8212241.chw Last save: 8/27/2009 12:00:32 PM

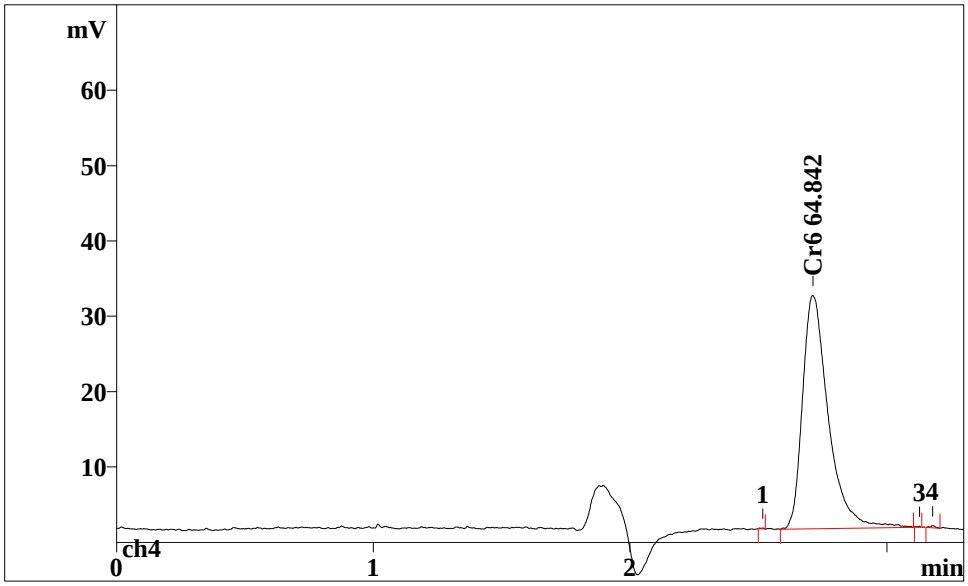
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17828

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.102;	30.97;	98.14;	216.449;	99.69;	0.00;	4.48;	34

Report date: 8/27/2009 12:07:25 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-24-A@10
Analysis from: 8/21/2009 10:48:35 PM
File: t8212248.chw Last save: 8/27/2009 12:00:33 PM

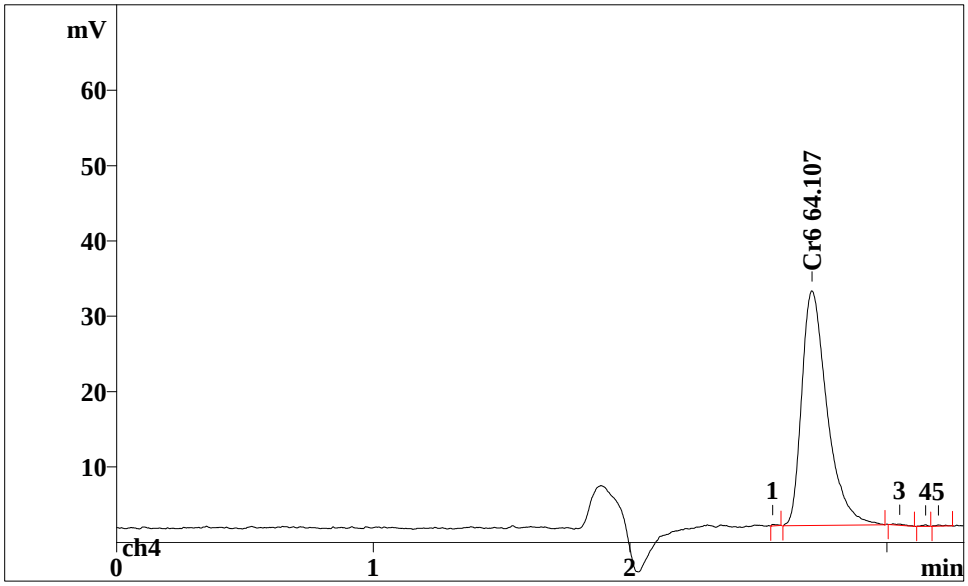
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17829

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.101;	31.17;	97.59;	213.976;	99.35;	0.00;	2.80;	35

Report date: 8/27/2009 12:07:29 PM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 8/21/2009 10:55:47 PM
File: t8212255.chw Last save: 8/27/2009 12:00:33 PM

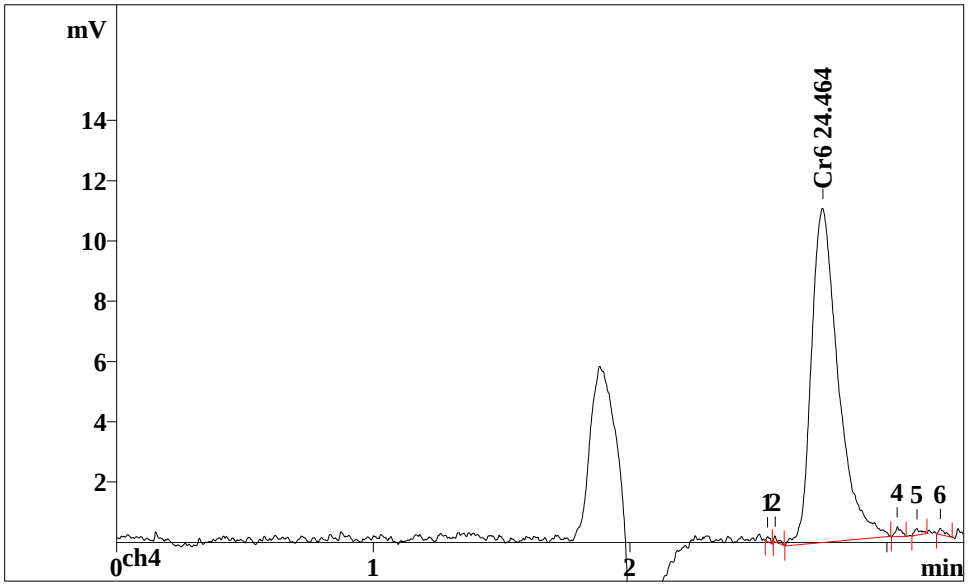
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17830

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: 7.7 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.75;	0.106;	11.08;	90.68;	80.680;	98.02;	0.00;	2.67;	32

Report date: 8/27/2009 12:07:32 PM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 8/21/2009 11:03:00 PM
File: t8212303.chw Last save: 8/27/2009 12:00:33 PM

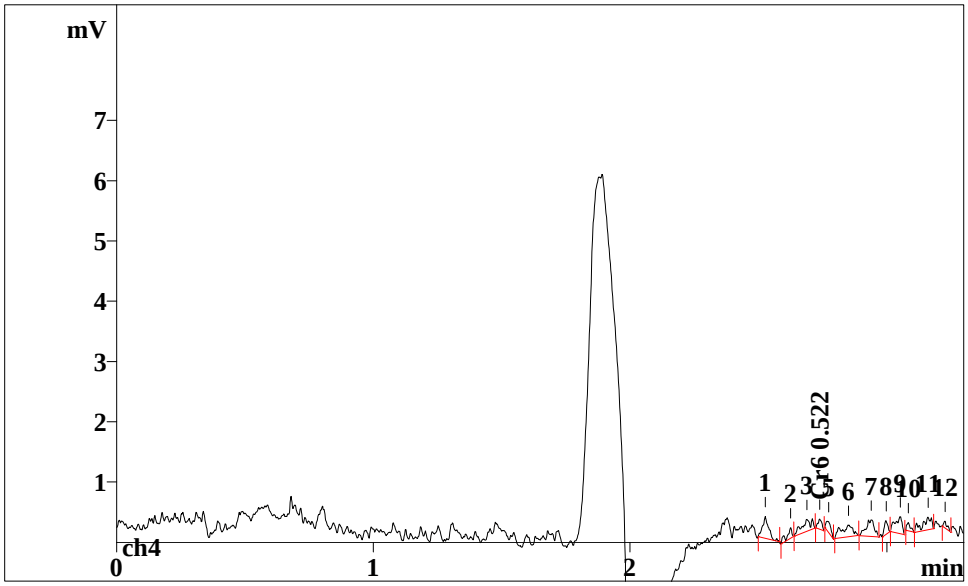
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17831

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.020;	0.17;	6.63;	0.177;	3.96;	0.00;	1.01;	1508

Report date: 8/27/2009 12:07:37 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-25-A@10
Analysis from: 8/21/2009 11:10:14 PM
File: t8212310.chw Last save: 8/27/2009 12:00:33 PM

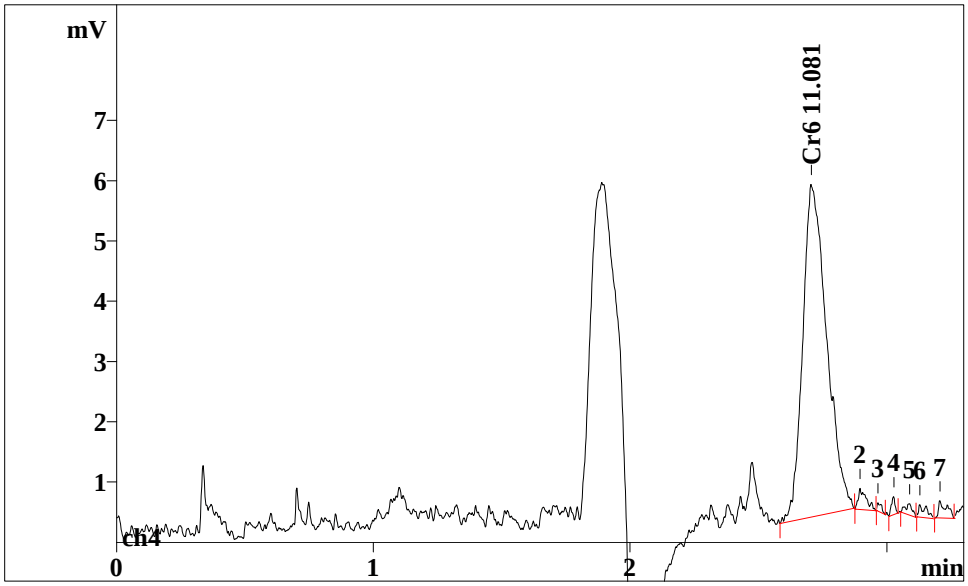
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17832

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.099;	5.50;	78.62;	35.680;	93.11;	0.00;	1.74;	39

Report date: 8/27/2009 12:07:42 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-25-A@10
Analysis from: 8/21/2009 11:17:29 PM
File: t8212317.chw Last save: 8/27/2009 12:00:33 PM

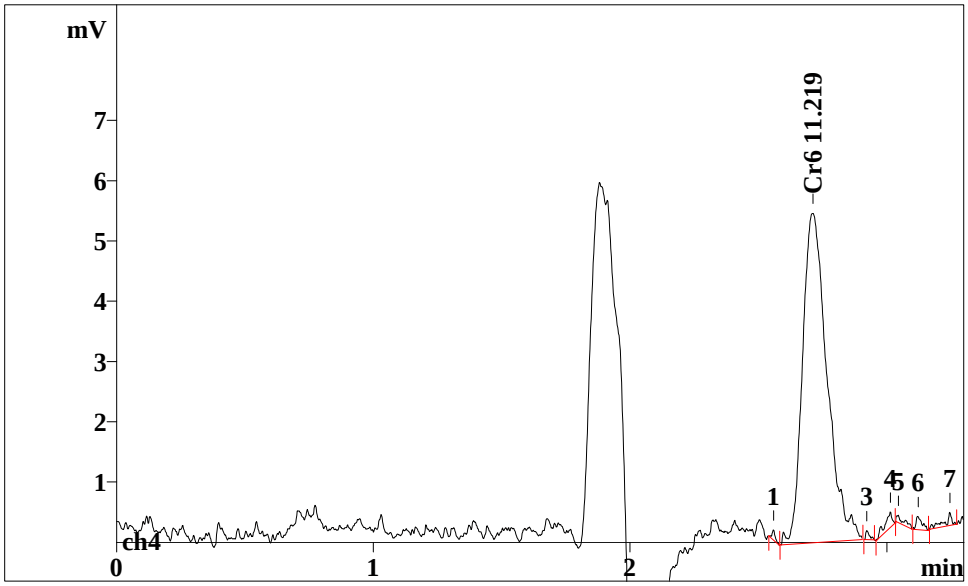
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17833

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.098;	5.47;	82.74;	36.145;	95.14;	0.00;	2.24;	38

Report date: 8/27/2009 12:07:45 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-26-A@10
Analysis from: 8/21/2009 11:24:44 PM
File: t8212324.chw Last save: 8/27/2009 12:00:34 PM

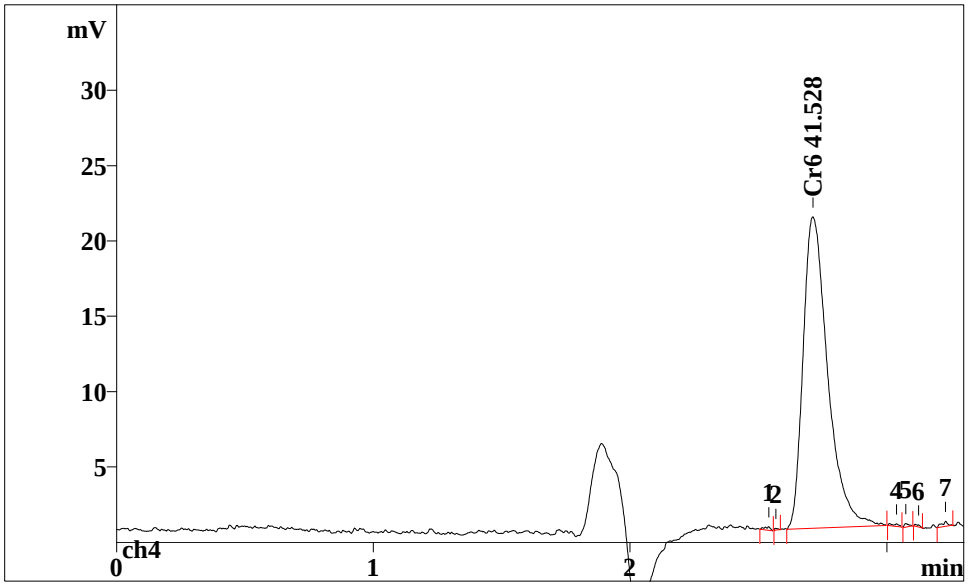
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17834

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: 7.7 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.71;	0.099;	20.68;	94.37;	138.056;	98.71;	0.00;	3.01;	37

Report date: 8/27/2009 12:07:49 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-26-A@10
Analysis from: 8/21/2009 11:32:01 PM
File: t8212332.chw Last save: 8/27/2009 12:00:34 PM

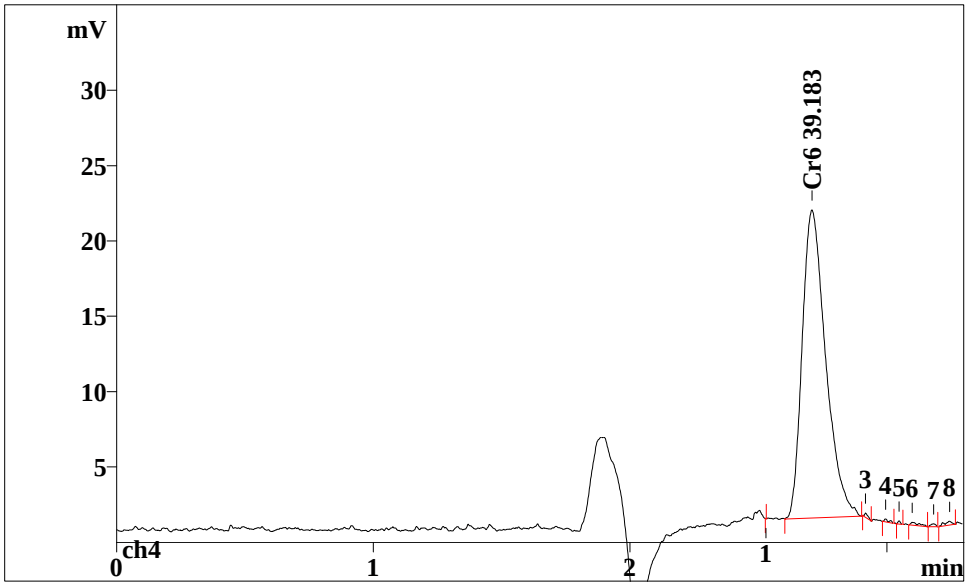
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17835

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: 7.7 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.71;	0.097;	20.44;	93.76;	130.171;	98.52;	0.00;	2.19;	40

Report date: 8/27/2009 12:07:56 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-27-A@10
Analysis from: 8/21/2009 11:39:17 PM
File: t8212339.chw Last save: 8/27/2009 12:00:34 PM

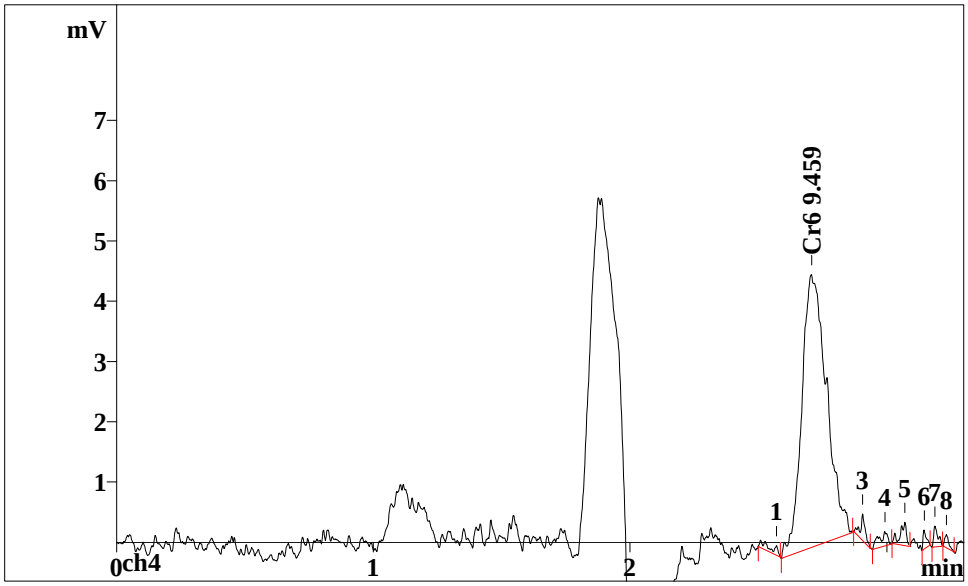
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17836

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.106;	4.52;	68.05;	30.228;	90.59;	0.00;	2.08;	37

Report date: 8/27/2009 12:08:00 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-27-A@10
Analysis from: 8/21/2009 11:46:35 PM
File: t8212346.chw Last save: 8/27/2009 12:00:34 PM

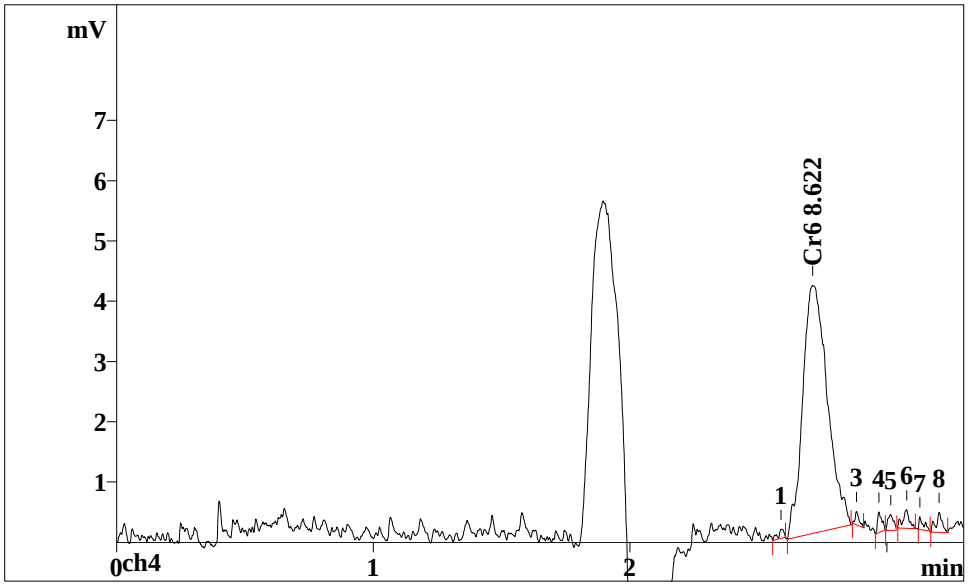
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17837

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.102;	4.11;	69.08;	27.414;	91.31;	0.00;	1.71;	37

Report date: 8/27/2009 12:08:05 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-28-A@10
Analysis from: 8/21/2009 11:53:54 PM
File: t8212353.chw Last save: 8/27/2009 12:00:35 PM

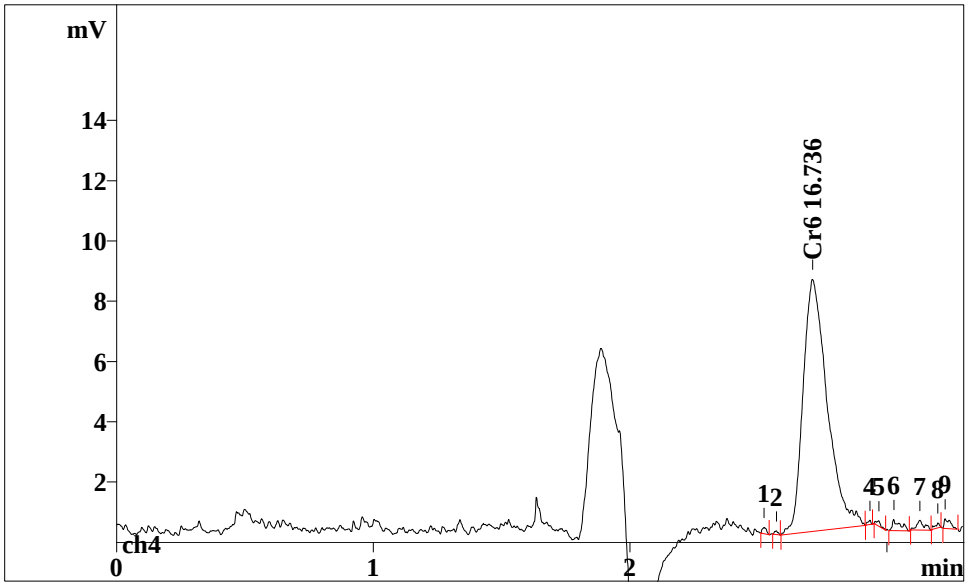
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17838

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.097;	8.37;	81.77;	54.695;	94.97;	0.00;	2.30;	39

Report date: 8/27/2009 12:08:08 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-28-A@10
Analysis from: 8/22/2009 12:01:13 AM
File: t8220001.chw Last save: 8/27/2009 12:00:35 PM

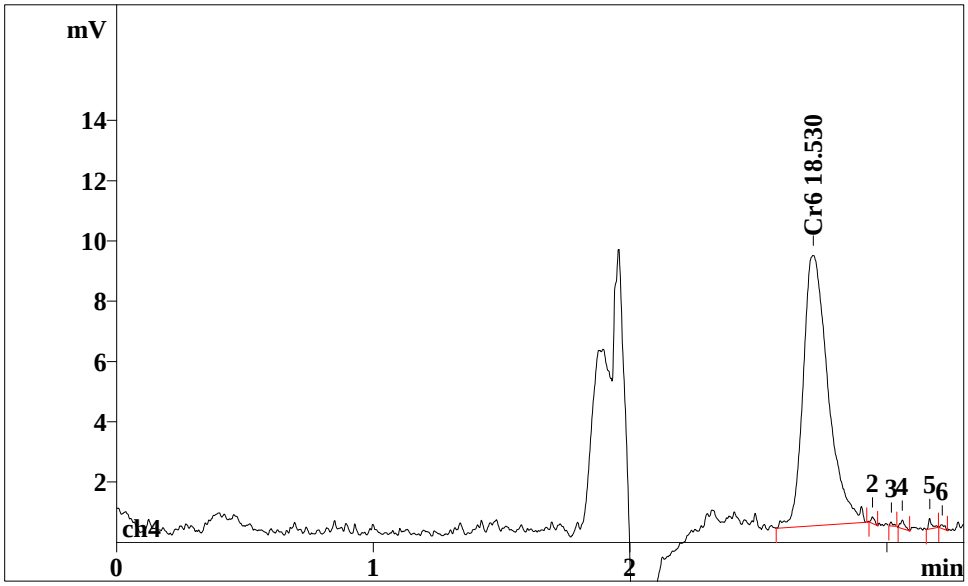
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17839

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.098;	8.98;	88.83;	60.727;	98.19;	0.00;	2.32;	36

Report date: 8/27/2009 12:08:12 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-29-A@10
Analysis from: 8/22/2009 12:08:32 AM
File: t8220008.chw Last save: 8/27/2009 12:00:35 PM

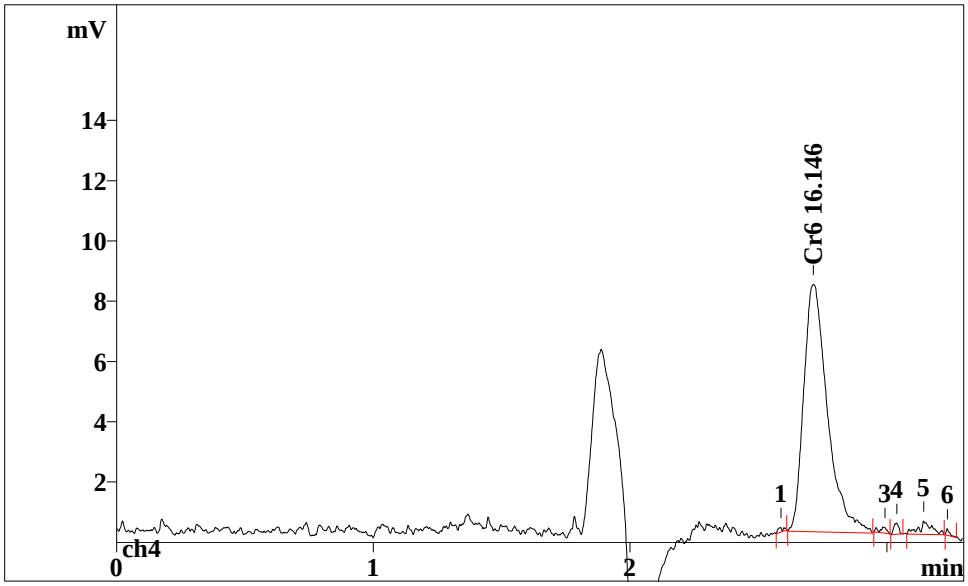
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17840

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: 7.5 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.71;	0.095;	8.20;	85.53;	52.713;	94.89;	0.00;	2.71;	40

Report date: 8/27/2009 12:08:15 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-29-A@10
Analysis from: 8/22/2009 12:15:51 AM
File: t8220015.chw Last save: 8/27/2009 12:00:35 PM

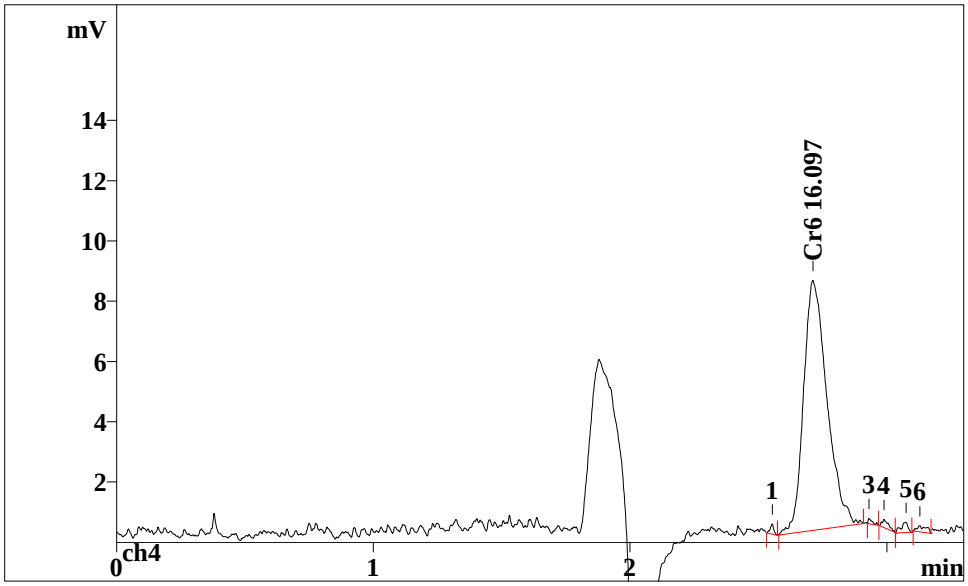
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17841

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.096;	8.28;	85.95;	52.548;	95.94;	0.00;	2.42;	41

Report date: 8/27/2009 12:08:18 PM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 8/22/2009 12:23:09 AM
File: t8220023.chw Last save: 8/27/2009 12:00:35 PM

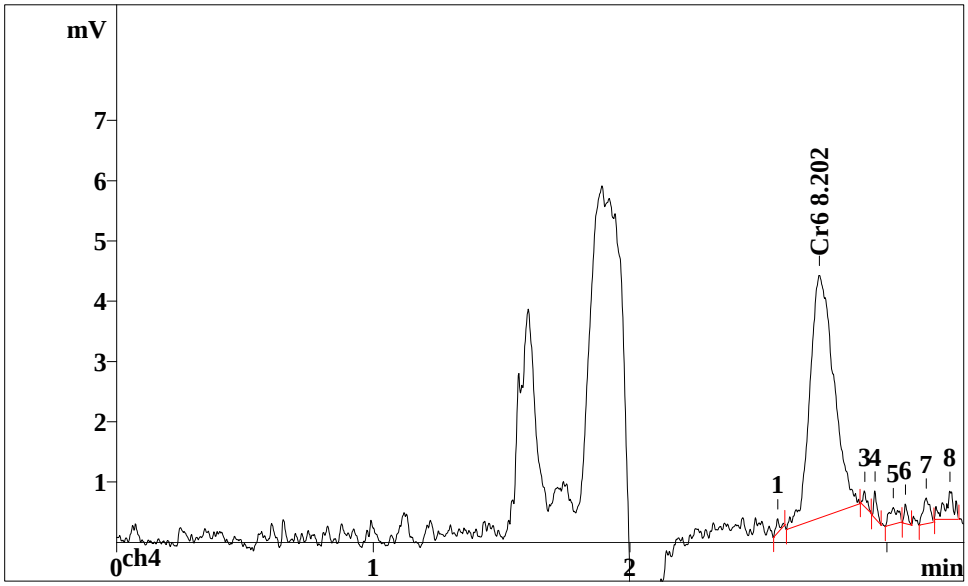
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17842

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: 7.7 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.74;	0.102;	4.02;	62.20;	26.000;	87.28;	0.00;	1.92;	40

Report date: 8/27/2009 12:08:21 PM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 8/22/2009 12:30:28 AM
File: t8220030.chw Last save: 8/27/2009 12:00:36 PM

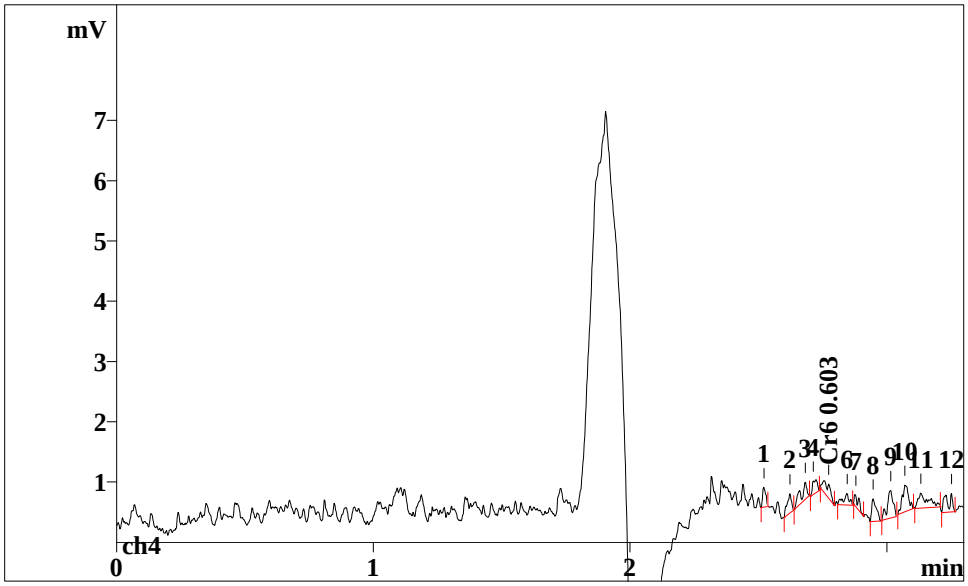
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17843

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.77;	0.034;	0.24;	6.71;	0.449;	8.12;	0.00;	1.92;	504

Report date: 8/27/2009 12:08:25 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-30-A@10
Analysis from: 8/22/2009 12:37:47 AM
File: t8220037.chw Last save: 8/27/2009 12:00:36 PM

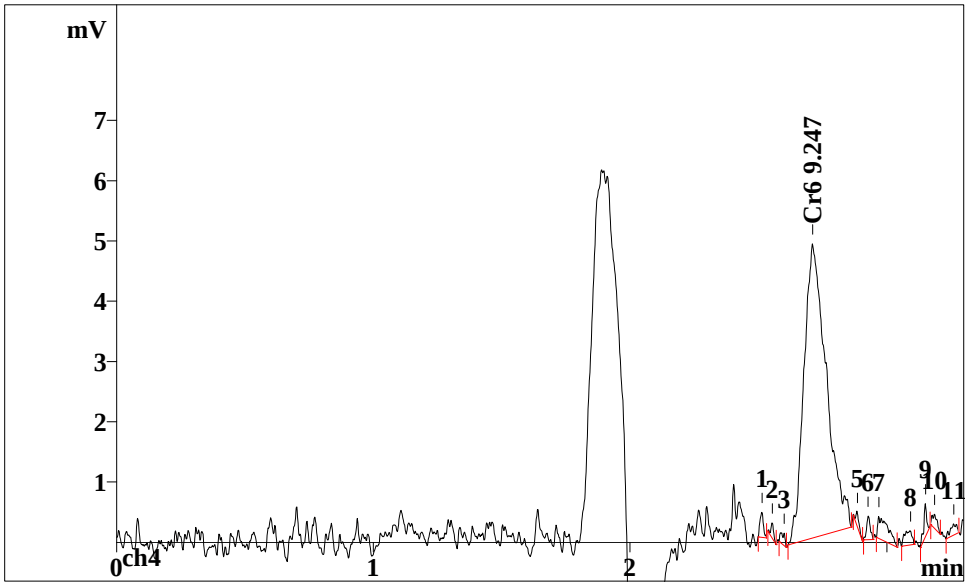
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17844

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.097;	4.84;	60.78;	29.513;	87.98;	0.00;	1.93;	45

Report date: 8/27/2009 12:08:29 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-30-A@10
Analysis from: 8/22/2009 12:45:06 AM
File: t8220045.chw Last save: 8/27/2009 12:00:36 PM

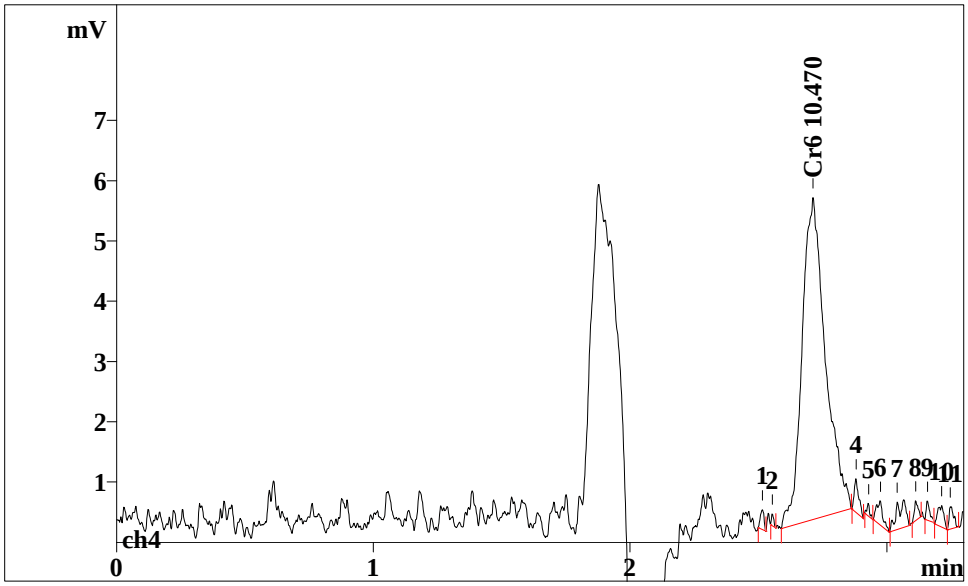
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17845

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.091;	5.32;	59.87;	33.628;	87.59;	0.00;	1.80;	41

Report date: 8/27/2009 12:08:32 PM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 8/22/2009 12:52:26 AM
File: t8220052.chw Last save: 8/27/2009 12:00:36 PM

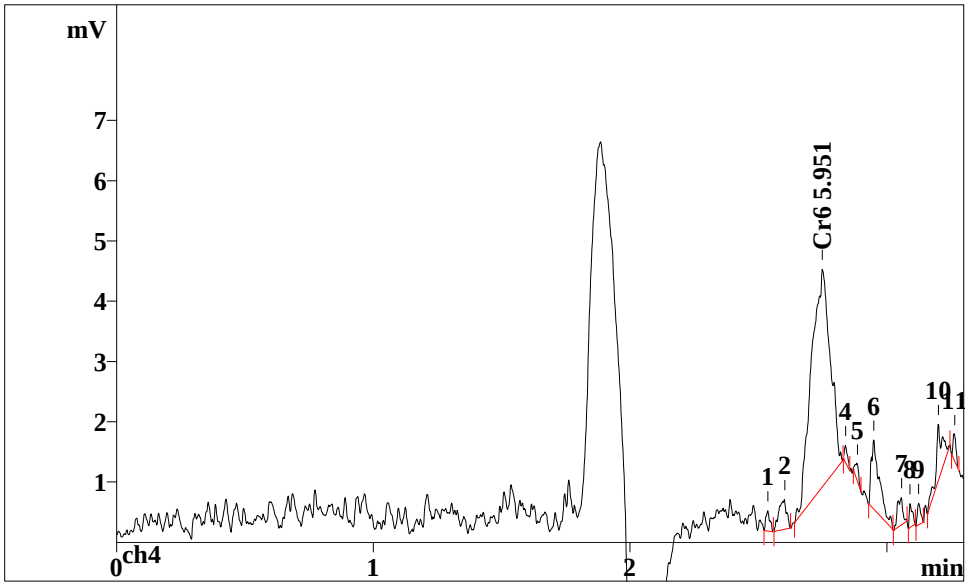
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17846

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.75;	0.083;	3.57;	40.88;	18.430;	70.50;	0.00;	1.04;	65

Report date: 8/27/2009 12:08:36 PM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 8/22/2009 12:59:42 AM
File: t8220059.chw Last save: 8/27/2009 12:00:37 PM

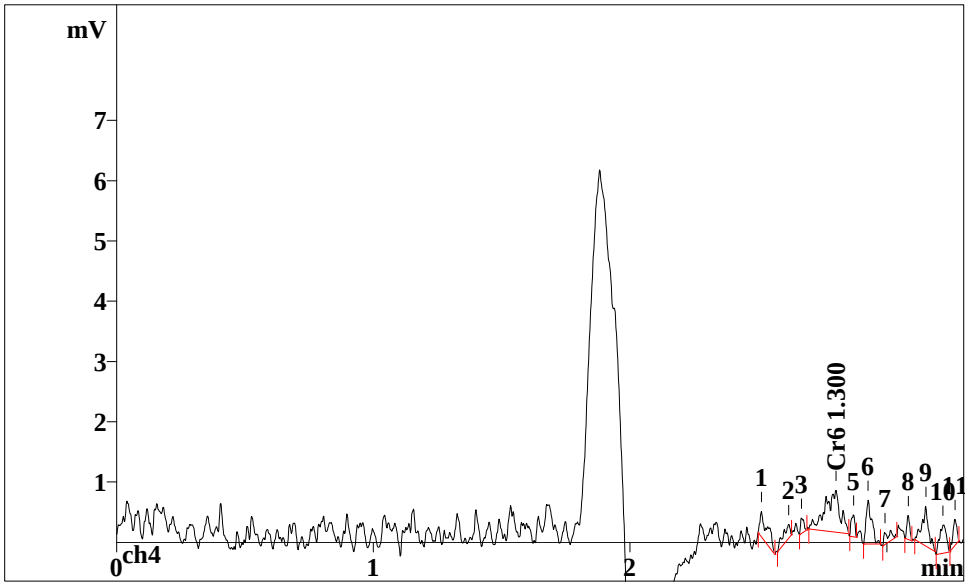
Method: stl_hexchrome_soil.mtw Last save: 8/20/2009 4:14:44
Run operator: TestAmerica - Edison
Analysis number: 17847

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.80;	0.055;	0.69;	14.27;	2.794;	31.26;	0.00;	1.16;	109

Report date: 8/27/2009 12:18:15 PM
Printed by: TestAmerica - Edison

Ident: 0 ppb
Analysis from: 8/24/2009 3:57:30 PM
File: t8241557.chw Last save: 8/27/2009 12:17:25 PM

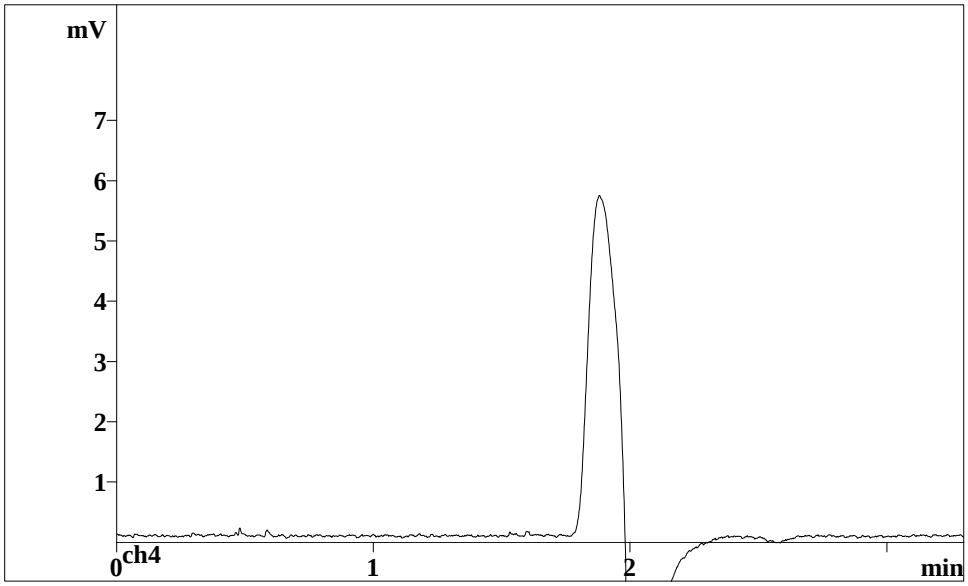
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17850

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: 7.5 MPa



No peaks

Report date: 8/27/2009 12:18:23 PM
Printed by: TestAmerica - Edison

Ident: 5 ppb
Analysis from: 8/24/2009 4:04:39 PM
File: t8241604.chw Last save: 8/27/2009 12:17:25 PM

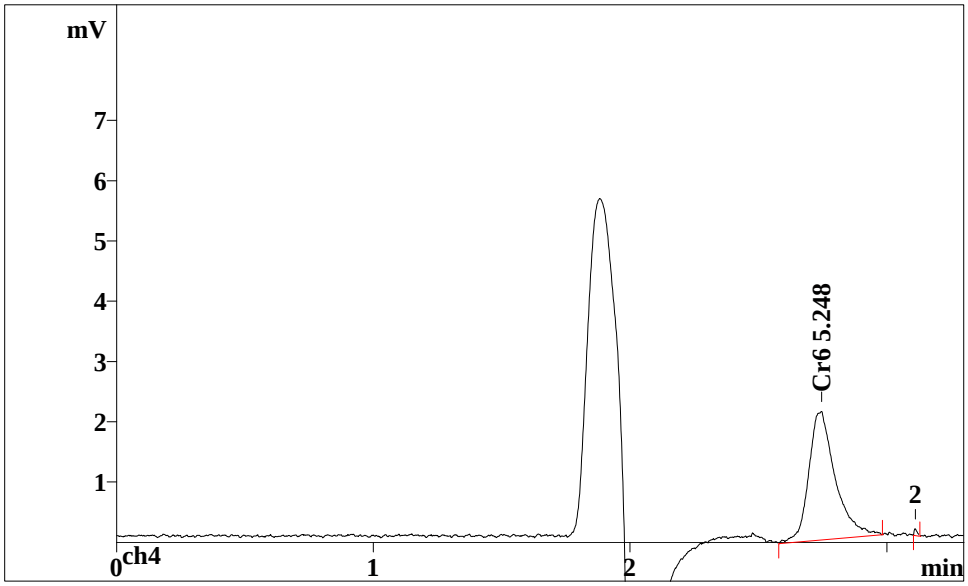
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17851

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.102;	2.13;	94.59;	15.319;	99.39;	0.00;	3.81;	33

Report date: 8/27/2009 12:18:27 PM
Printed by: TestAmerica - Edison

Ident: 10 ppb
Analysis from: 8/24/2009 4:11:48 PM
File: t8241611.chw Last save: 8/27/2009 12:17:26 PM

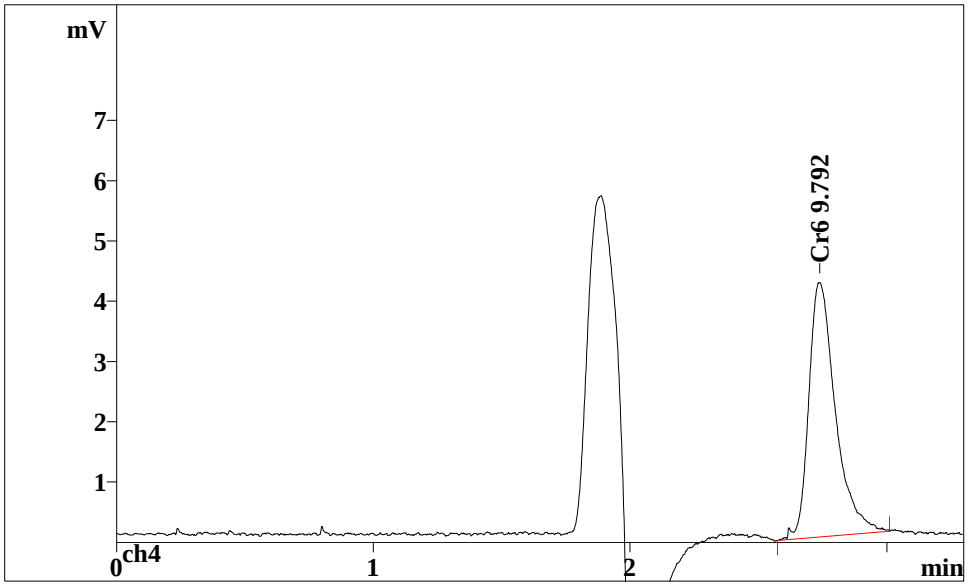
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17852

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.105;	4.23;	100.06;	30.575;	100.00;	0.00;	0.00;	32

Report date: 8/27/2009 12:18:30 PM
Printed by: TestAmerica - Edison

Ident: 25 ppb
Analysis from: 8/24/2009 4:18:58 PM
File: t8241618.chw Last save: 8/27/2009 12:17:26 PM

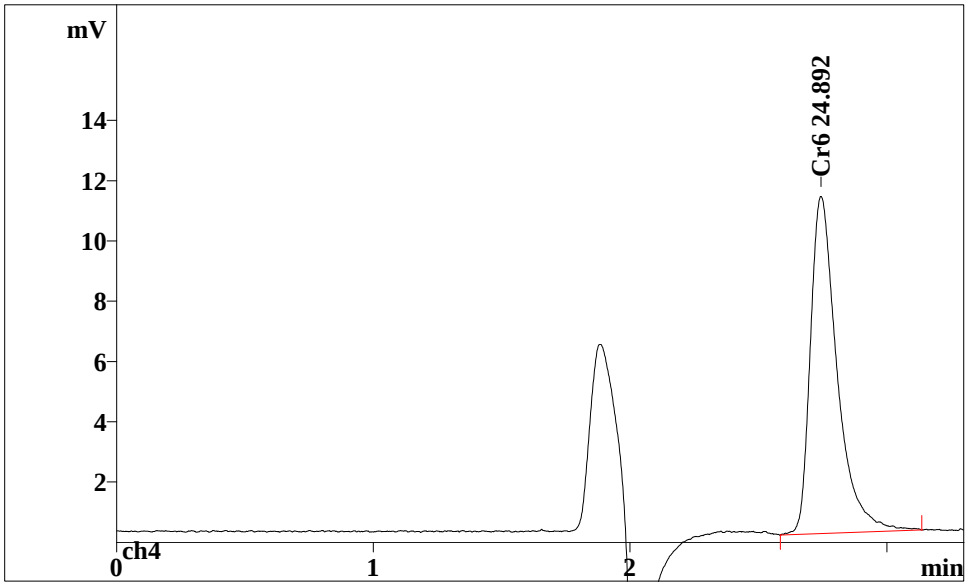
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17853

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.105;	11.20;	99.99;	81.270;	100.00;	0.00;	0.00;	32

Report date: 8/27/2009 12:18:34 PM
Printed by: TestAmerica - Edison

Ident: 50 ppb
Analysis from: 8/24/2009 4:26:08 PM
File: t8241626.chw Last save: 8/27/2009 12:17:26 PM

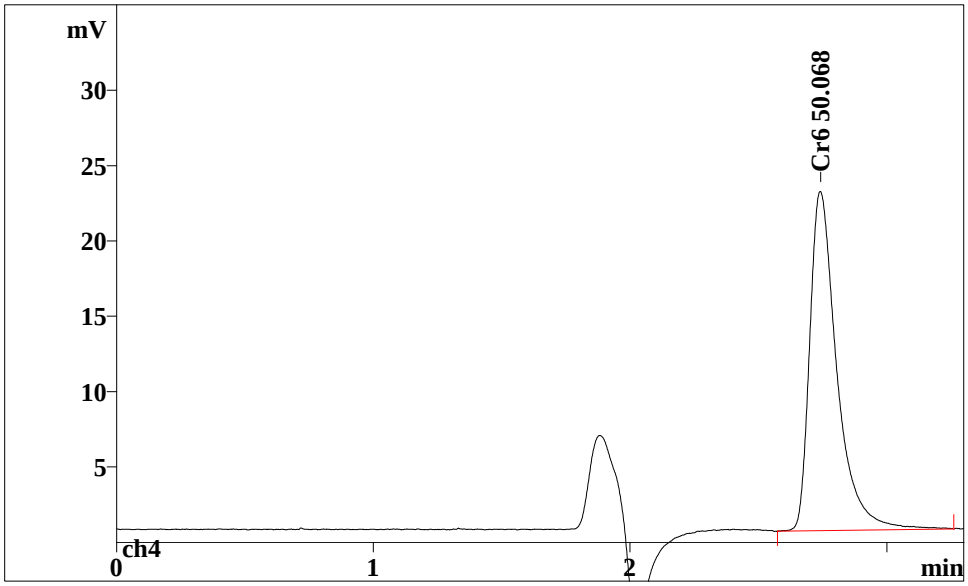
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17854

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

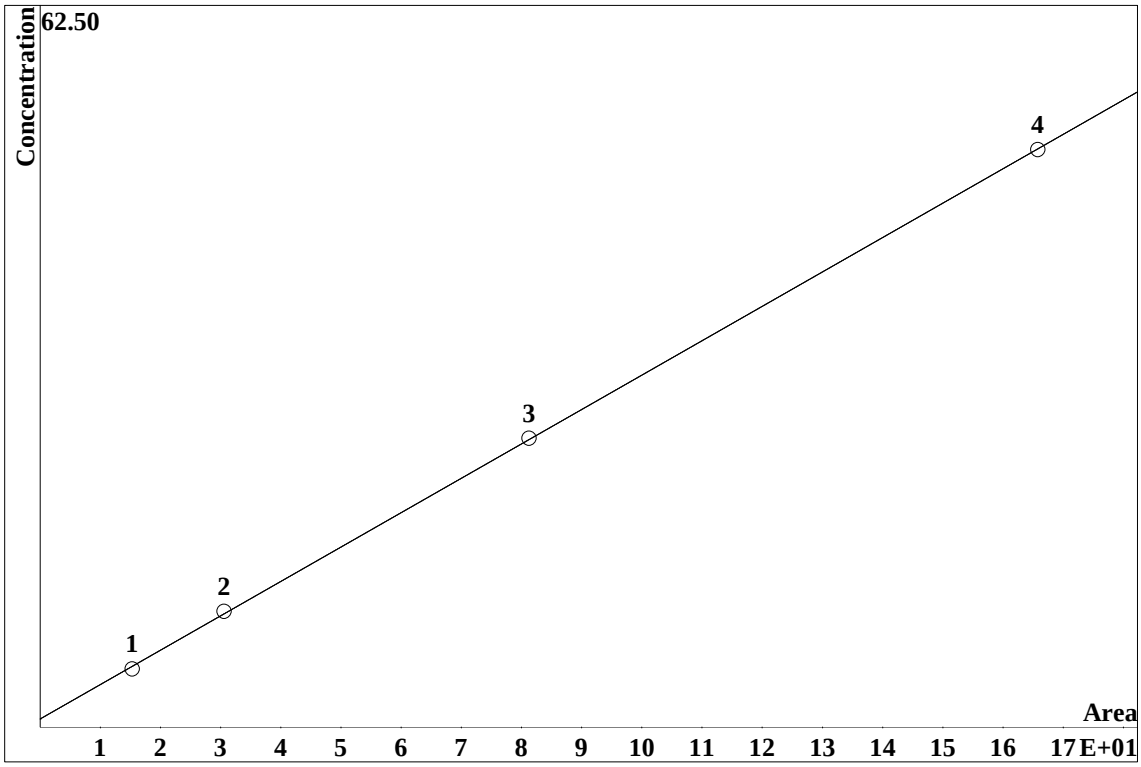
Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.106;	22.52;	100.00;	165.791;	100.00;	0.00;	0.00;	31

CALIBRATION OF COMPONENT Cr6

Method: stl_hexchrome_soil.mtw
Equation: Q = 0.297867·A + 0.684505
RSD: 1.093 %
Correlation coefficient: 0.999951



K3 = 0 K2 = 0 K1 = 0.297867 K0 = 0.684505
Base: Area
Ref.channel: ch4
ISTD:
Formula: Linear
Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1;	2.138;	15.32;	5;	1;	2.743;	Yes;	t8241604.chw
2;	4.226;	30.57;	10;	1;	2.743;	Yes;	t8241611.chw
3;	11.2;	81.27;	25;	1;	2.743;	Yes;	t8241618.chw
4;	22.52;	165.8;	50;	1;	2.743;	Yes;	t8241626.chw

Report date: 8/27/2009 12:18:48 PM
Printed by: TestAmerica - Edison

Ident: ICV
Analysis from: 8/24/2009 4:33:19 PM
File: t8241633.chw Last save: 8/27/2009 12:17:26 PM

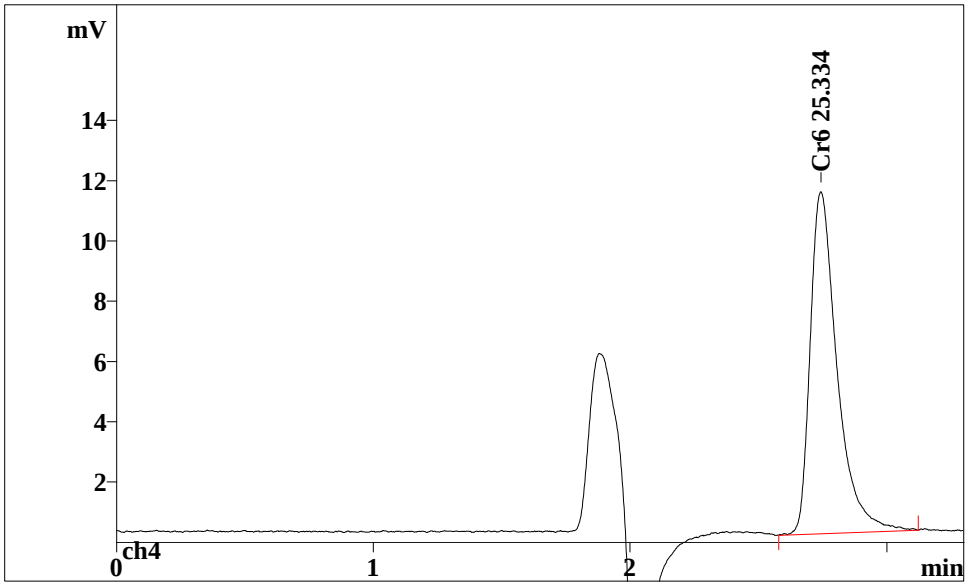
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17855

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.106;	11.35;	99.99;	82.753;	100.00;	0.00;	0.00;	32

Report date: 8/27/2009 12:18:51 PM
Printed by: TestAmerica - Edison

Ident: ICB
Analysis from: 8/24/2009 4:40:31 PM
File: t8241640.chw Last save: 8/27/2009 12:17:26 PM

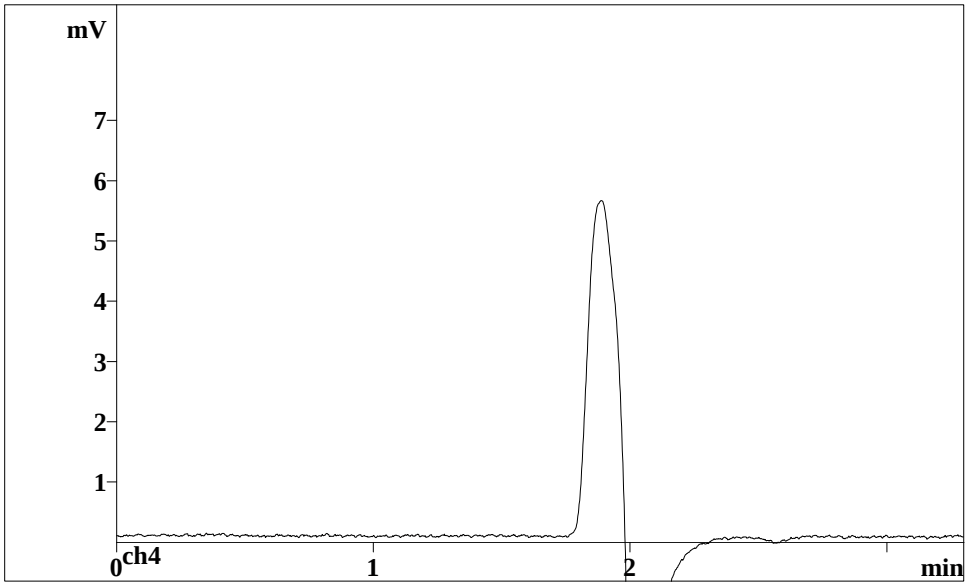
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17856

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: 7.6 MPa



No peaks

Report date: 8/27/2009 12:18:55 PM
Printed by: TestAmerica - Edison

Ident: MB 460-14799/1-A@10
Analysis from: 8/24/2009 4:47:44 PM
File: t8241647.chw Last save: 8/27/2009 12:17:26 PM

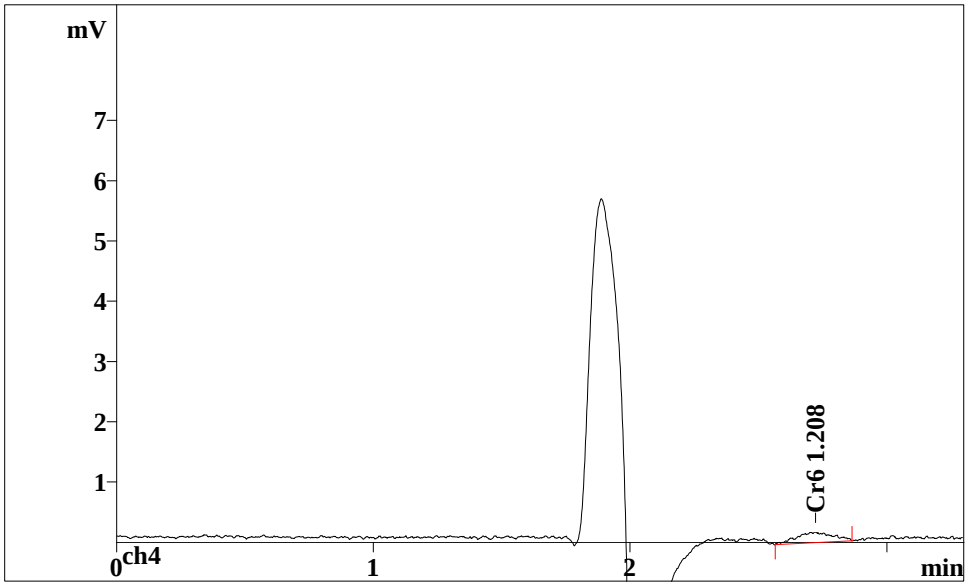
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17857

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.191;	0.17;	95.60;	1.759;	100.00;	0.00;	0.00;	16

Report date: 8/27/2009 12:18:58 PM
Printed by: TestAmerica - Edison

Ident: MB 460-14799/1-A@10
Analysis from: 8/24/2009 4:54:57 PM
File: t8241654.chw Last save: 8/27/2009 12:17:26 PM

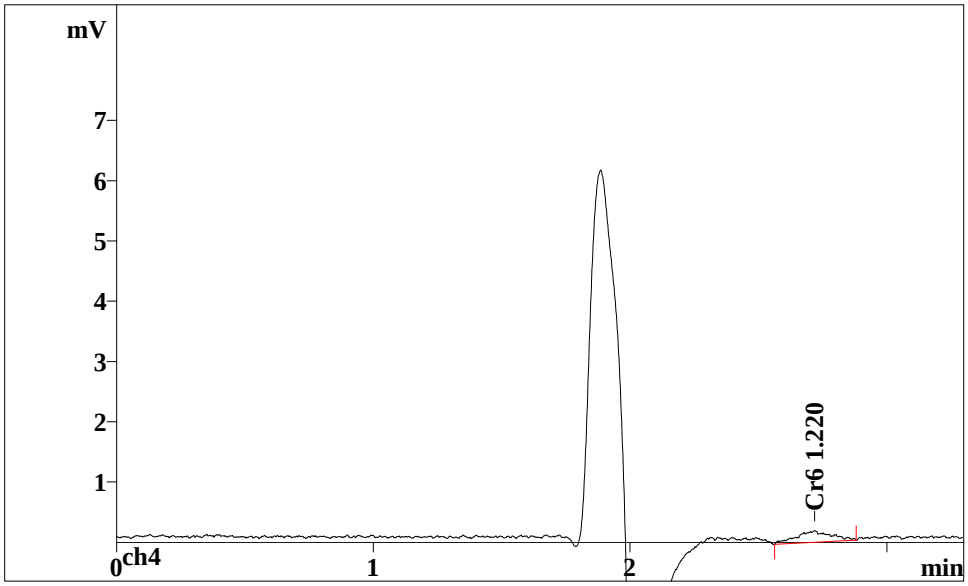
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17858

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.151;	0.19;	97.18;	1.799;	100.00;	0.00;	0.00;	19

Report date: 8/27/2009 12:19:02 PM
Printed by: TestAmerica - Edison

Ident: LCS 460-14799/2-A@10
Analysis from: 8/24/2009 5:02:11 PM
File: t8241702.chw Last save: 8/27/2009 12:17:26 PM

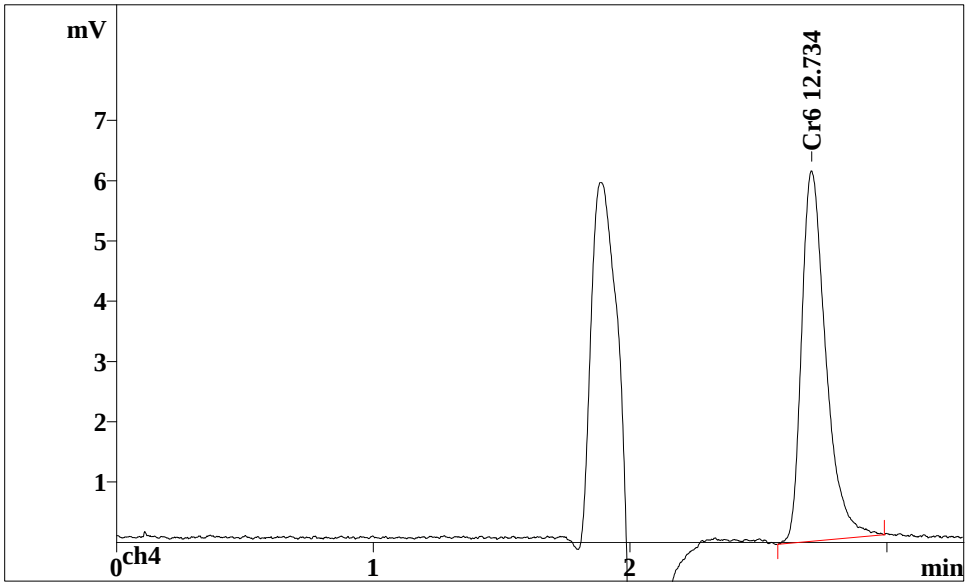
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17859

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.098;	6.15;	99.95;	40.454;	100.00;	0.00;	0.00;	38

Report date: 8/27/2009 12:19:07 PM
Printed by: TestAmerica - Edison

Ident: LCS 460-14799/2-A@10
Analysis from: 8/24/2009 5:13:28 PM
File: t8241713.chw Last save: 8/27/2009 12:17:26 PM

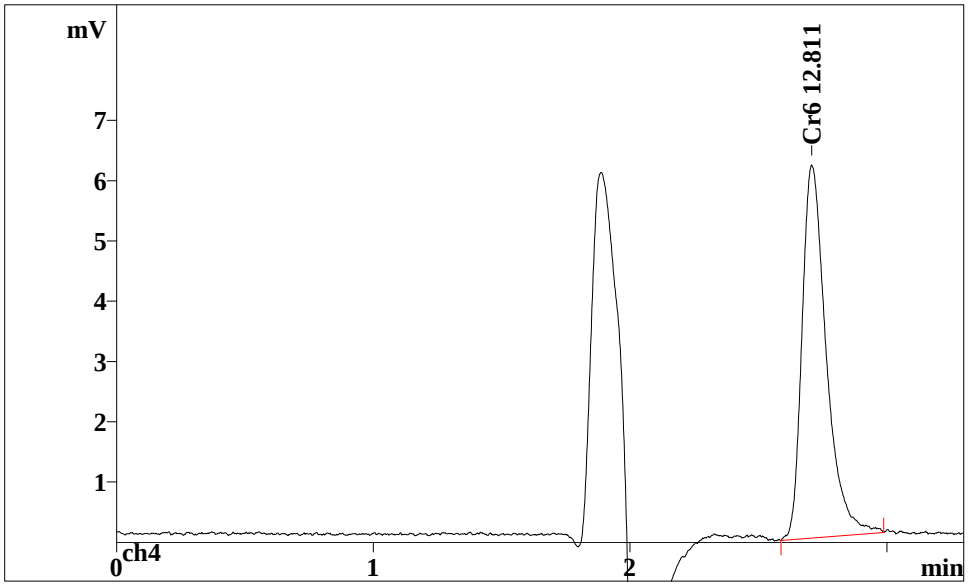
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17860

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.097;	6.19;	99.87;	40.711;	100.00;	0.00;	0.00;	38

Report date: 8/27/2009 12:19:11 PM
Printed by: TestAmerica - Edison

Ident: LCSI 460-14799/3-A@500
Analysis from: 8/24/2009 5:22:14 PM
File: t8241722.chw Last save: 8/27/2009 12:17:27 PM

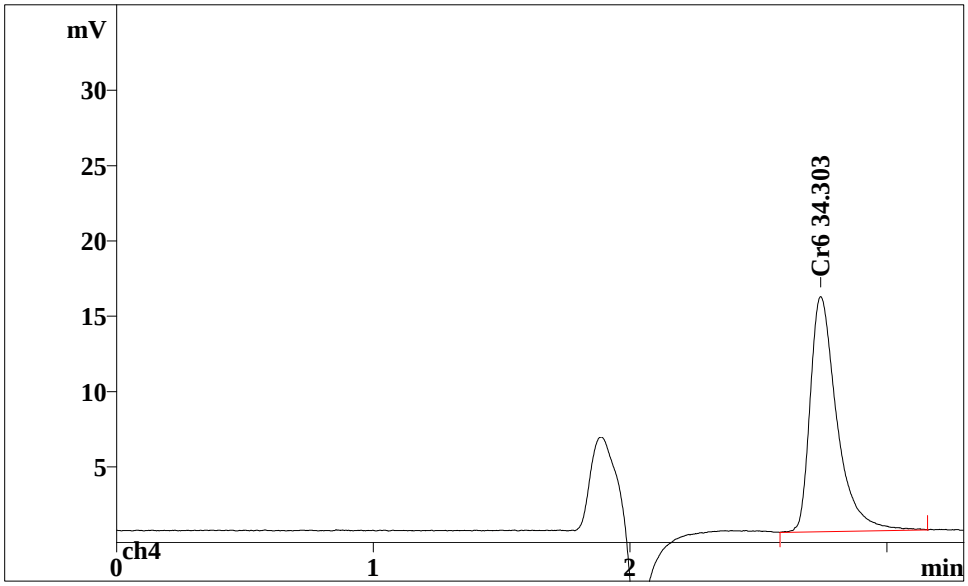
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17861

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: 7.6 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.105;	15.62;	100.00;	112.864;	100.00;	0.00;	0.00;	32

Report date: 8/27/2009 12:19:13 PM
Printed by: TestAmerica - Edison

Ident: LCSI 460-14799/3-A@500
Analysis from: 8/24/2009 5:29:29 PM
File: t8241729.chw Last save: 8/27/2009 12:17:27 PM

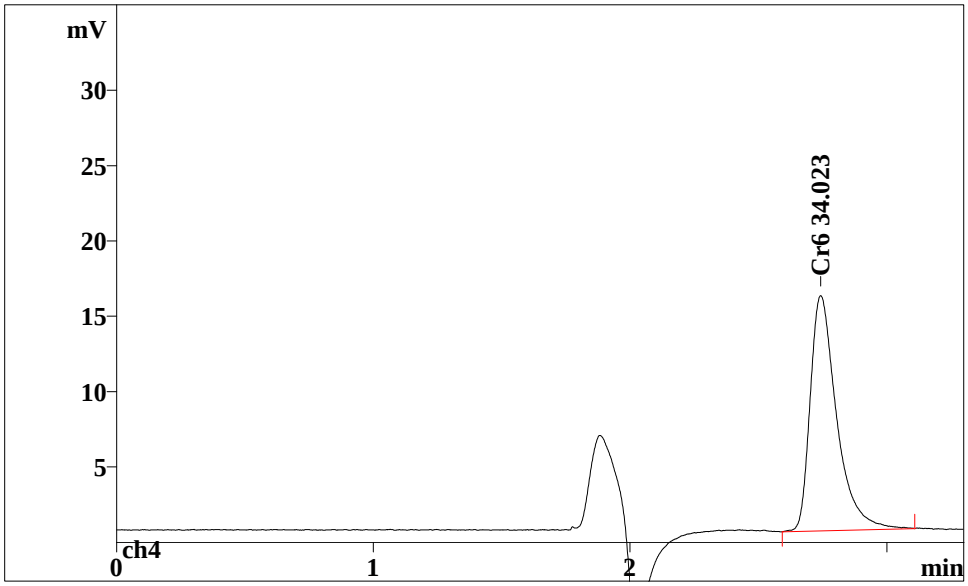
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17862

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.105;	15.62;	100.01;	111.924;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 12:19:16 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-1-E PDS@80
Analysis from: 8/24/2009 5:36:45 PM
File: t8241736.chw Last save: 8/27/2009 12:17:27 PM

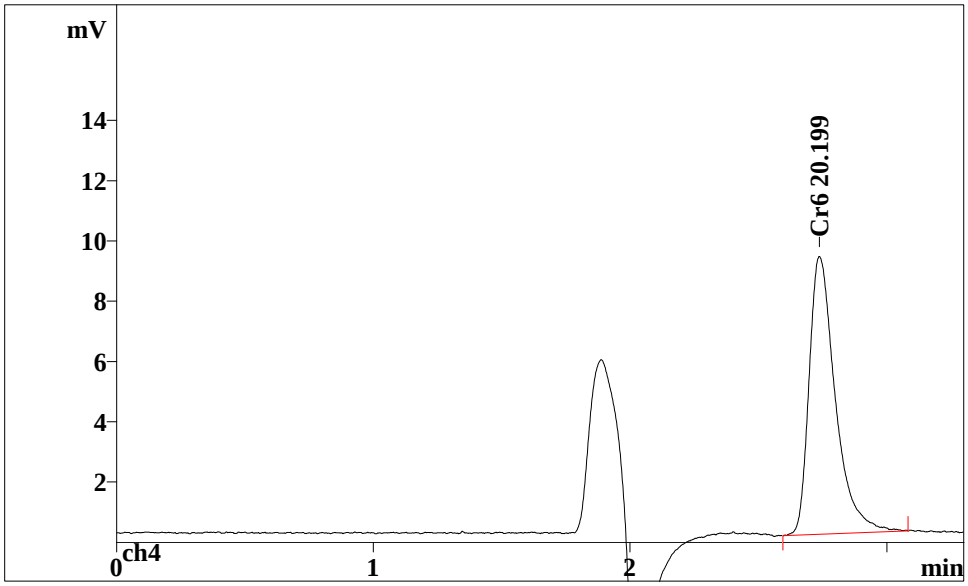
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17863

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.104;	9.22;	99.96;	65.513;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 12:19:20 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-1-E PDS@80
Analysis from: 8/24/2009 5:44:02 PM
File: t8241744.chw Last save: 8/27/2009 12:17:27 PM

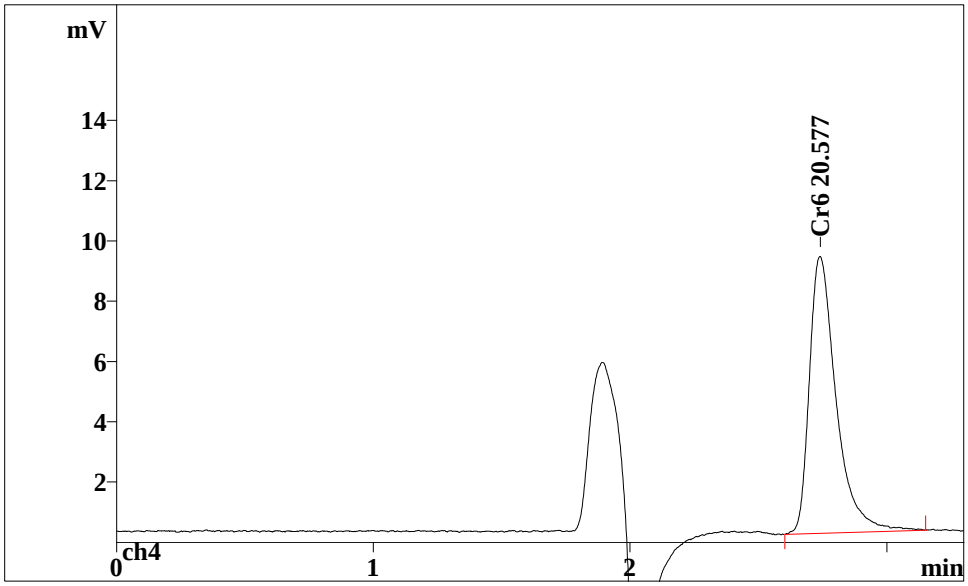
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17864

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.105;	9.19;	99.99;	66.782;	100.00;	0.00;	0.00;	32

Report date: 8/27/2009 12:19:24 PM
Printed by: TestAmerica - Edison

Ident: MB 460-14913/1-A
Analysis from: 8/24/2009 5:51:19 PM
File: t8241751.chw Last save: 8/27/2009 12:17:27 PM

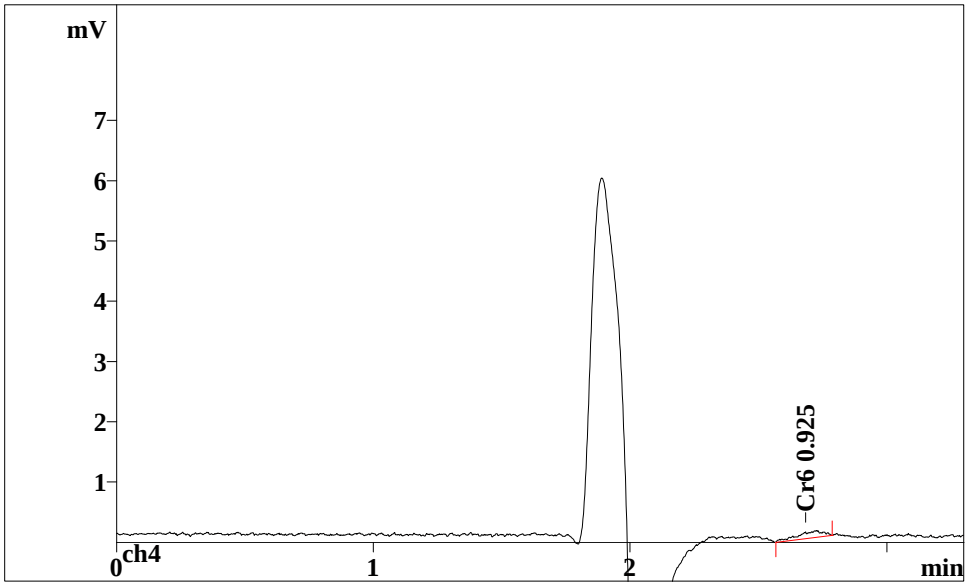
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17865

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.68;	0.121;	0.10;	89.87;	0.806;	100.00;	0.00;	0.00;	31

Report date: 8/27/2009 12:19:28 PM
Printed by: TestAmerica - Edison

Ident: MB 460-14913/1-A
Analysis from: 8/24/2009 5:58:37 PM
File: t8241758.chw Last save: 8/27/2009 12:17:27 PM

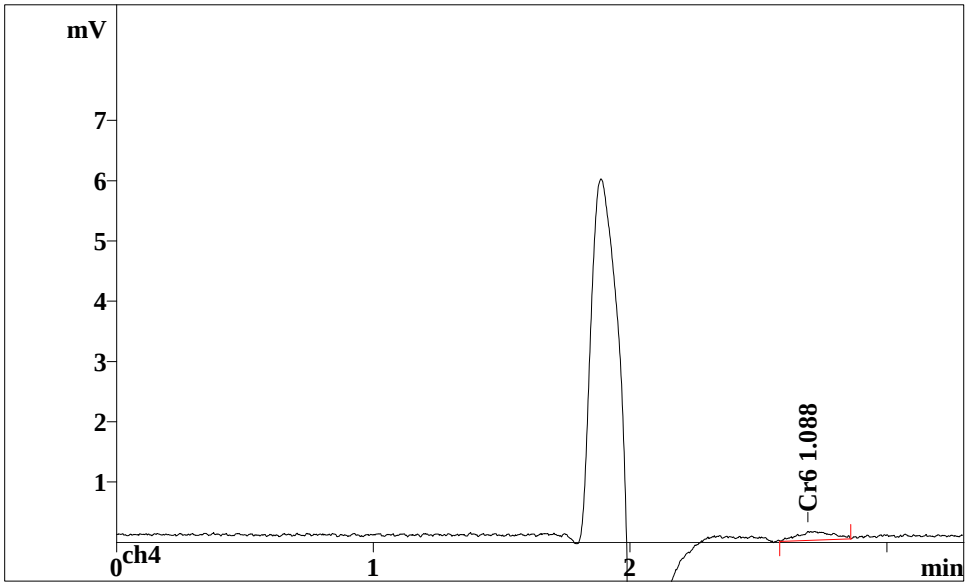
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17866

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.162;	0.14;	96.80;	1.354;	100.00;	0.00;	0.00;	19

Report date: 8/27/2009 12:19:32 PM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 8/24/2009 6:05:56 PM
File: t8241805.chw Last save: 8/27/2009 12:17:27 PM

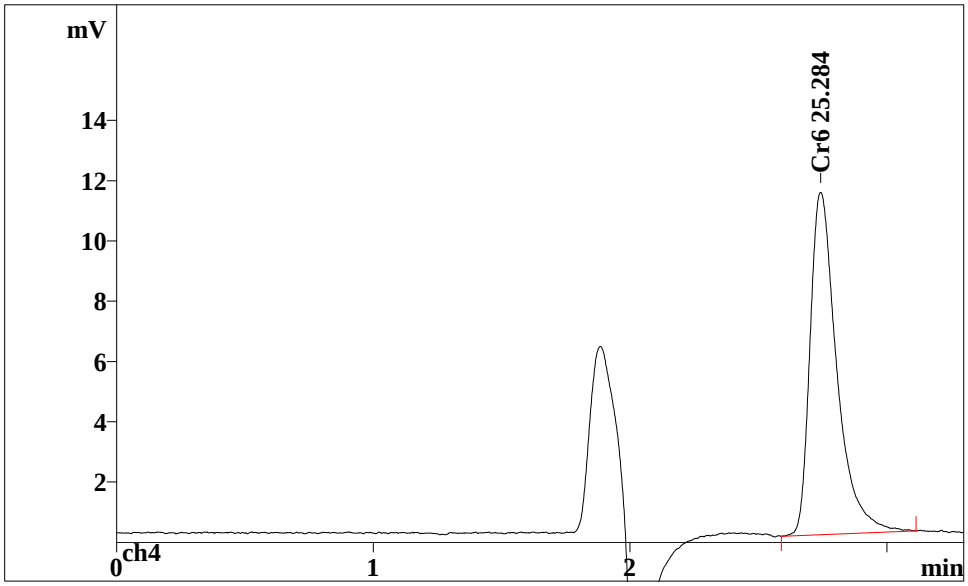
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17867

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.106;	11.38;	100.02;	82.587;	100.00;	0.00;	0.00;	32

Report date: 8/27/2009 12:19:35 PM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 8/24/2009 6:13:15 PM
File: t8241813.chw Last save: 8/27/2009 12:17:27 PM

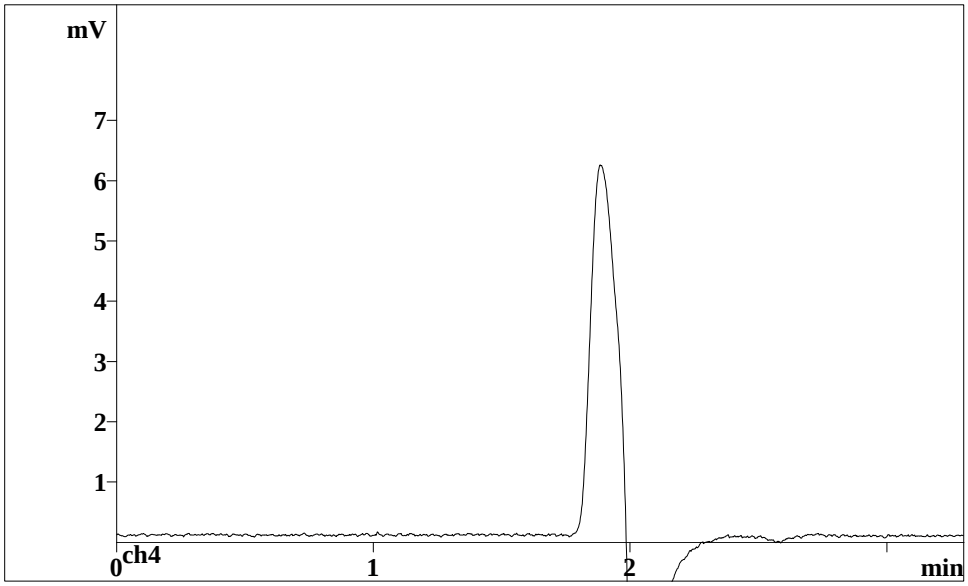
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17868

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: 7.8 MPa



No peaks

Report date: 8/27/2009 12:19:40 PM
Printed by: TestAmerica - Edison

Ident: LCS 460-14913/2-A@10
Analysis from: 8/24/2009 6:20:34 PM
File: t8241820.chw Last save: 8/27/2009 12:17:28 PM

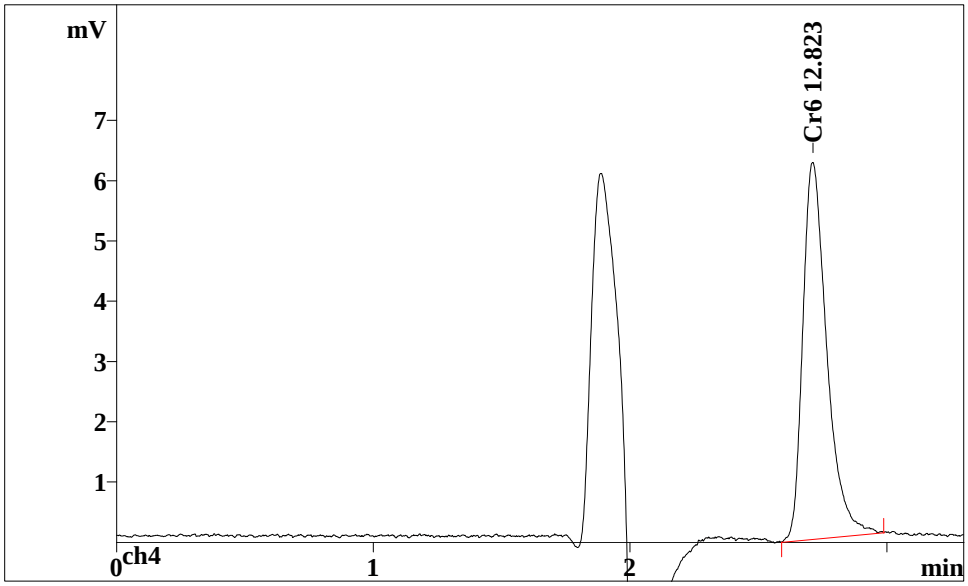
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17869

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.097;	6.26;	99.99;	40.753;	100.00;	0.00;	0.00;	39

Report date: 8/27/2009 12:19:43 PM
Printed by: TestAmerica - Edison

Ident: LCS 460-14913/2-A@10
Analysis from: 8/24/2009 6:27:53 PM
File: t8241827.chw Last save: 8/27/2009 12:17:28 PM

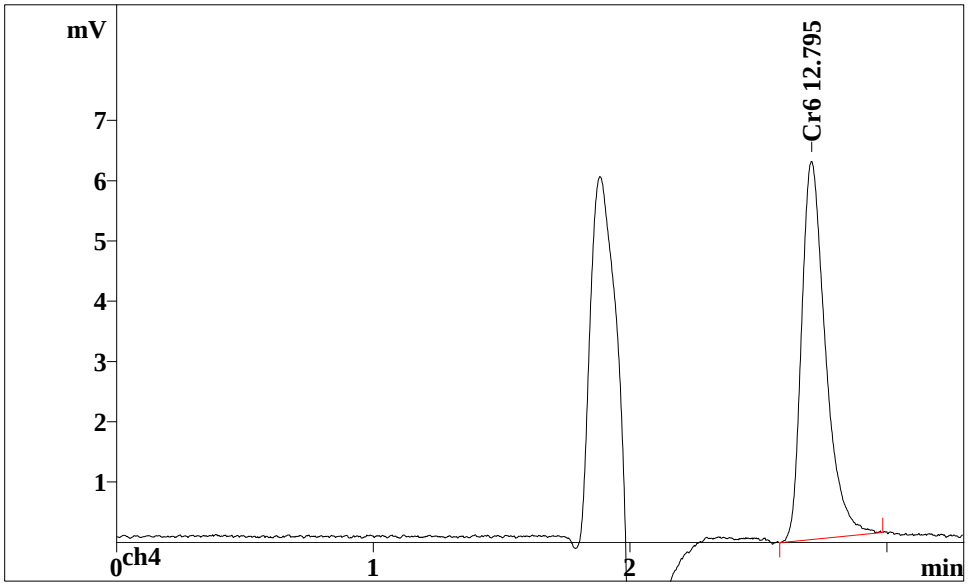
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17870

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: 7.8 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.097;	6.28;	99.95;	40.656;	100.00;	0.00;	0.00;	39

Report date: 8/27/2009 12:19:49 PM
Printed by: TestAmerica - Edison

Ident: LCSI 460-14913/3-A@500
Analysis from: 8/24/2009 6:35:12 PM
File: t8241835.chw Last save: 8/27/2009 12:17:28 PM

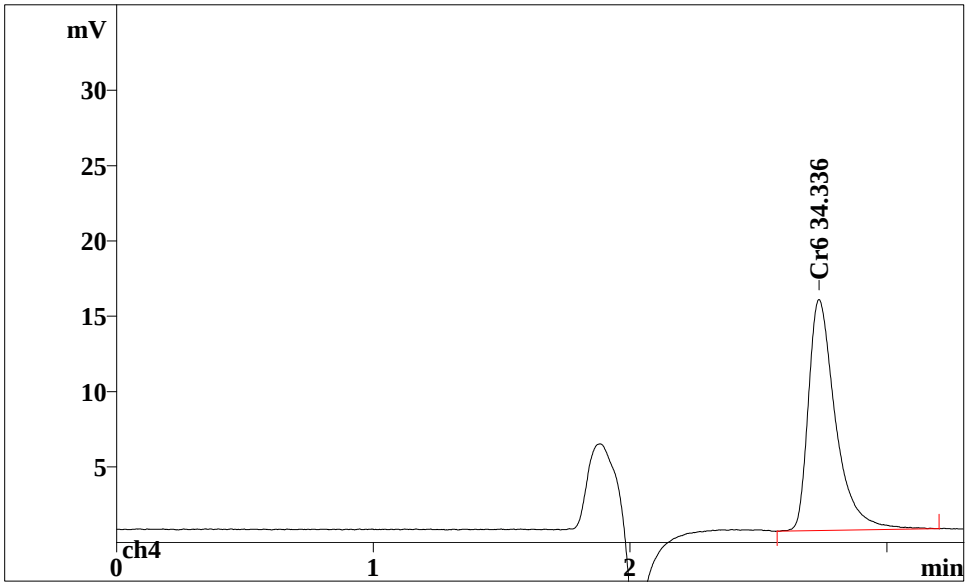
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17871

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.106;	15.34;	100.01;	112.975;	100.00;	0.00;	0.00;	31

Report date: 8/27/2009 12:19:52 PM
Printed by: TestAmerica - Edison

Ident: LCSI 460-14913/3-A@500
Analysis from: 8/24/2009 6:42:31 PM
File: t8241842.chw Last save: 8/27/2009 12:17:28 PM

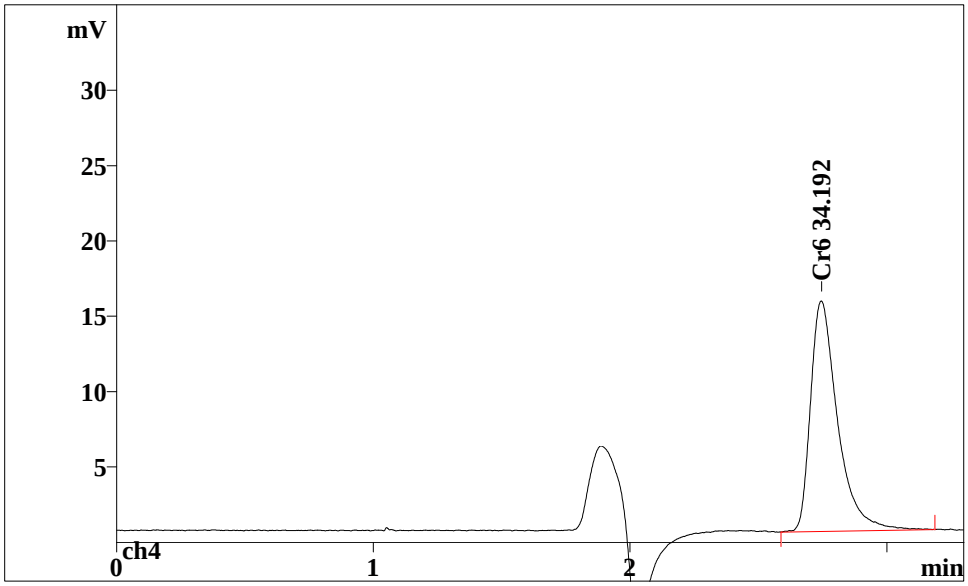
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17872

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.107;	15.31;	99.99;	112.490;	100.00;	0.00;	0.00;	31

Report date: 8/27/2009 12:19:56 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-21-A DU@10
Analysis from: 8/24/2009 6:49:50 PM
File: t8241849.chw Last save: 8/27/2009 12:17:28 PM

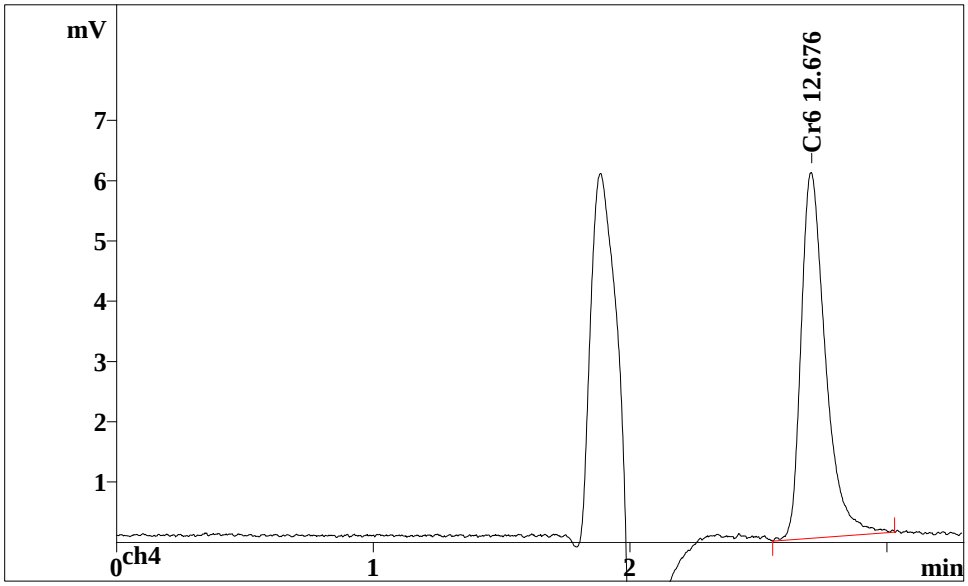
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17873

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.097;	6.08;	100.05;	40.258;	100.00;	0.00;	0.00;	37

Report date: 8/27/2009 12:20:00 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-21-A DU@10
Analysis from: 8/24/2009 6:57:10 PM
File: t8241857.chw Last save: 8/27/2009 12:17:28 PM

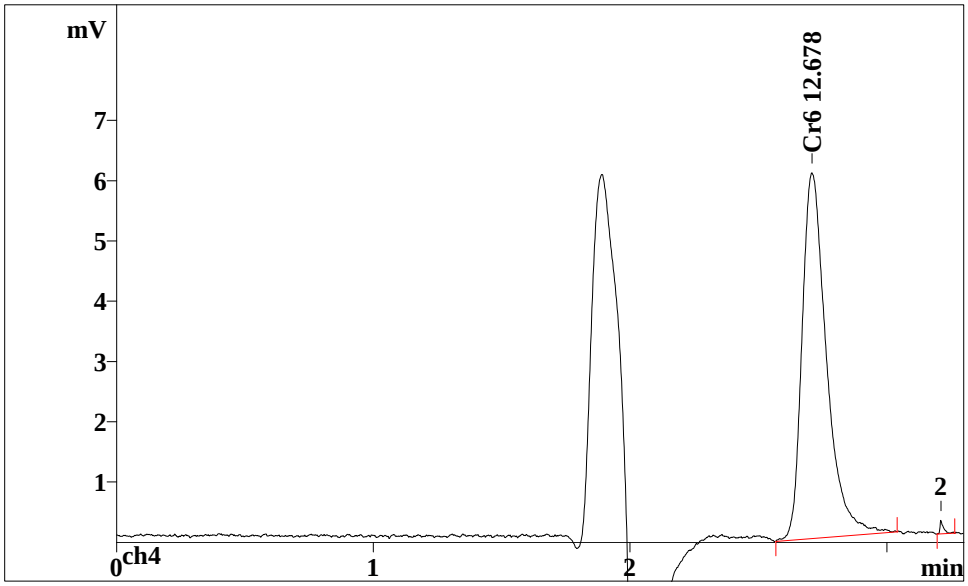
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17874

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.098;	6.07;	96.40;	40.266;	99.46;	0.00;	5.40;	37

Report date: 8/27/2009 12:20:03 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-21-B MS@40
Analysis from: 8/24/2009 7:04:29 PM
File: t8241904.chw Last save: 8/27/2009 12:17:28 PM

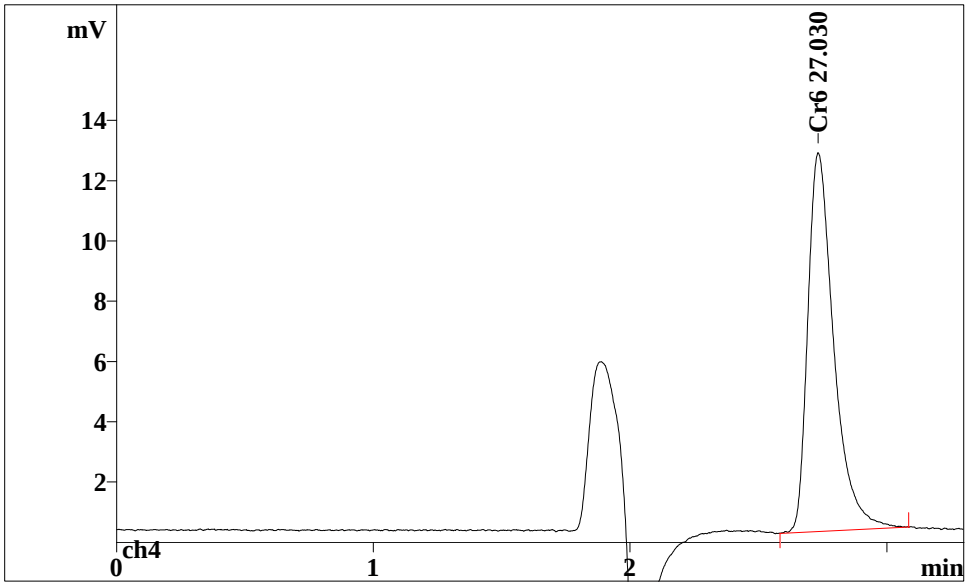
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17875

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.104;	12.56;	99.95;	88.446;	100.00;	0.00;	0.00;	34

Report date: 8/27/2009 12:20:07 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-21-B MS@40
Analysis from: 8/24/2009 7:11:47 PM
File: t8241911.chw Last save: 8/27/2009 12:17:28 PM

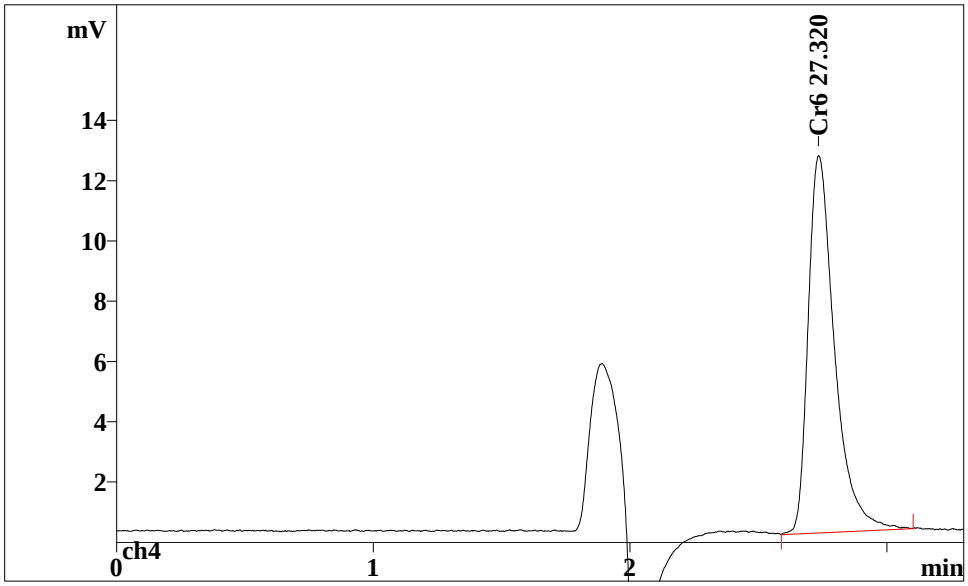
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17876

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: 7.8 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.105;	12.52;	100.01;	89.421;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 12:20:10 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-21-C MSI@500
Analysis from: 8/24/2009 7:19:05 PM
File: t8241919.chw Last save: 8/27/2009 12:17:29 PM

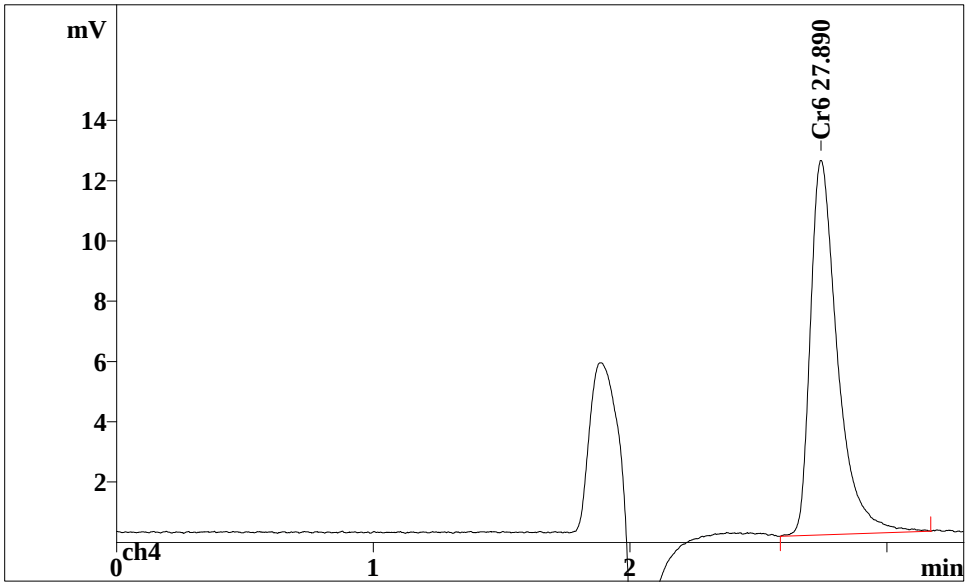
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17877

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: 7.8 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.106;	12.44;	99.99;	91.333;	100.00;	0.00;	0.00;	31

Report date: 8/27/2009 12:20:14 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-21-C MSI@500
Analysis from: 8/24/2009 7:26:23 PM
File: t8241926.chw Last save: 8/27/2009 12:17:29 PM

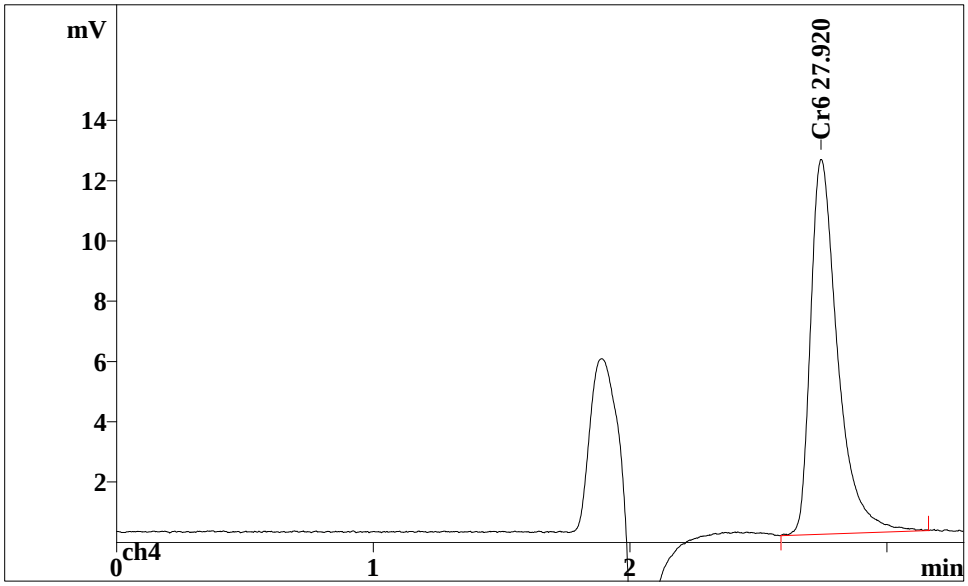
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17878

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.106;	12.45;	99.98;	91.436;	100.00;	0.00;	0.00;	31

Report date: 8/27/2009 12:20:18 PM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 8/24/2009 7:33:39 PM
File: t8241933.chw Last save: 8/27/2009 12:17:29 PM

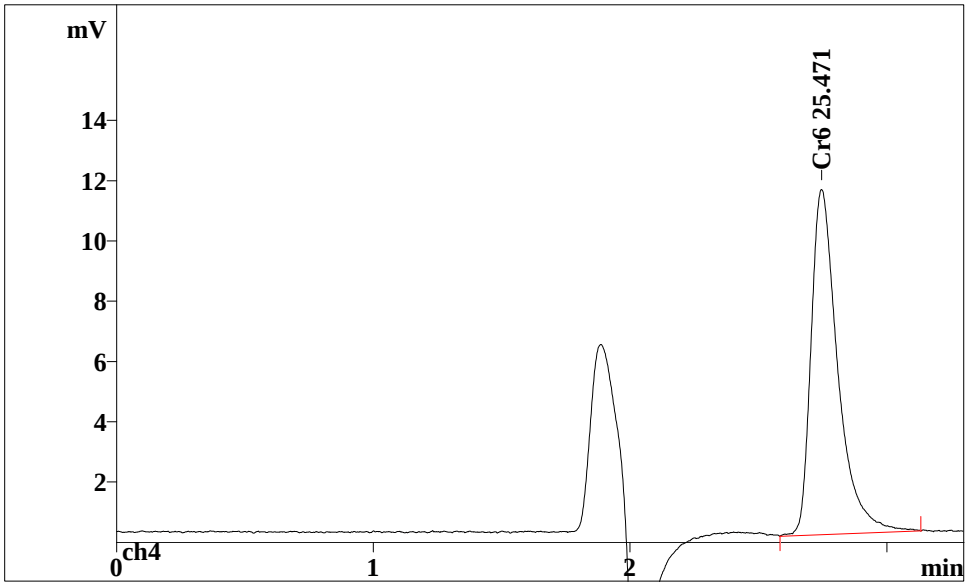
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17879

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: 7.8 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.75;	0.105;	11.46;	100.02;	83.212;	100.00;	0.00;	0.00;	32

Report date: 8/27/2009 12:20:22 PM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 8/24/2009 7:40:56 PM
File: t8241940.chw Last save: 8/27/2009 12:17:29 PM

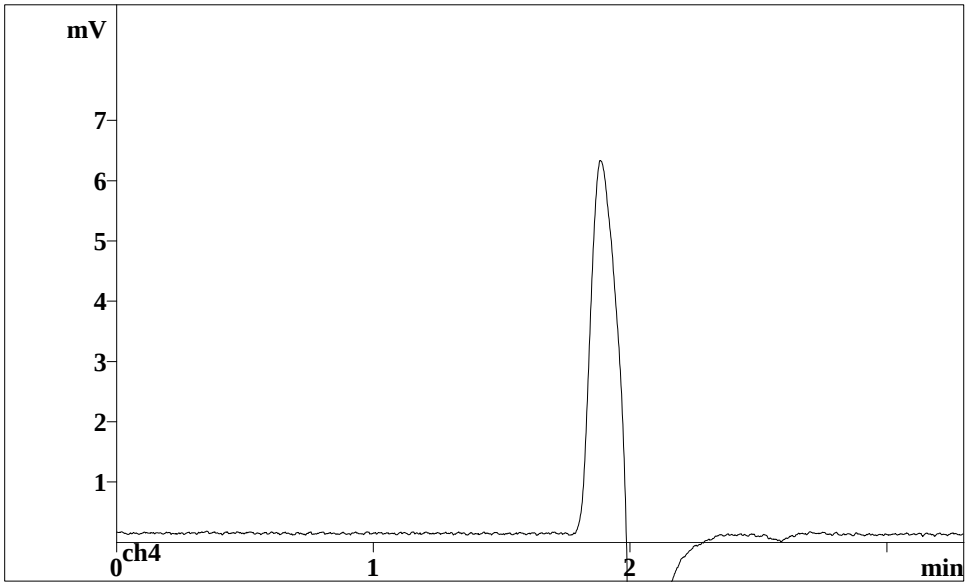
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17880

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: 7.8 MPa



No peaks

Report date: 8/27/2009 12:20:25 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-21-D@10
Analysis from: 8/24/2009 7:48:11 PM
File: t8241948.chw Last save: 8/27/2009 12:17:29 PM

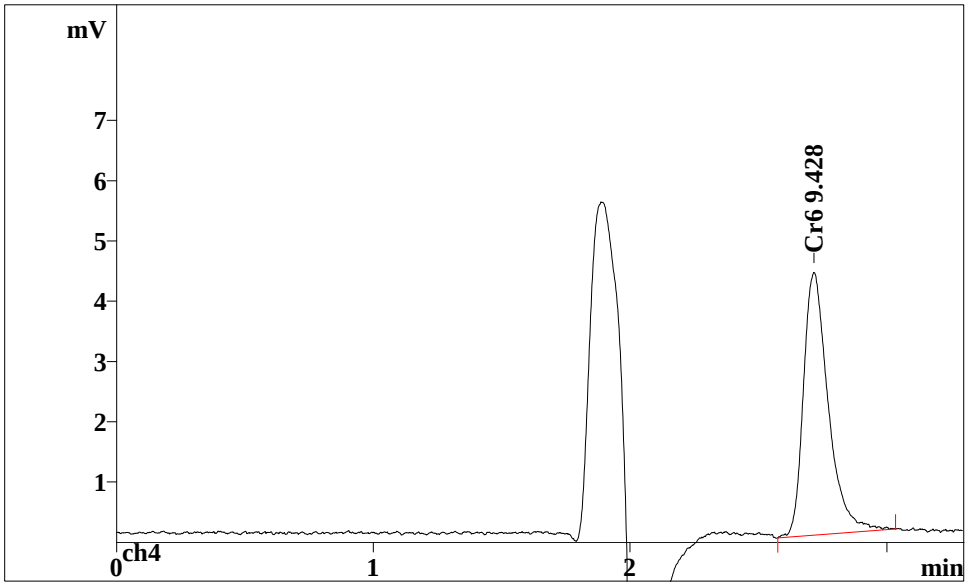
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17881

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: 7.9 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.100;	4.36;	99.93;	29.352;	100.00;	0.00;	0.00;	36

Report date: 8/27/2009 12:20:29 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-21-D@10
Analysis from: 8/24/2009 7:55:27 PM
File: t8241955.chw Last save: 8/27/2009 12:17:29 PM

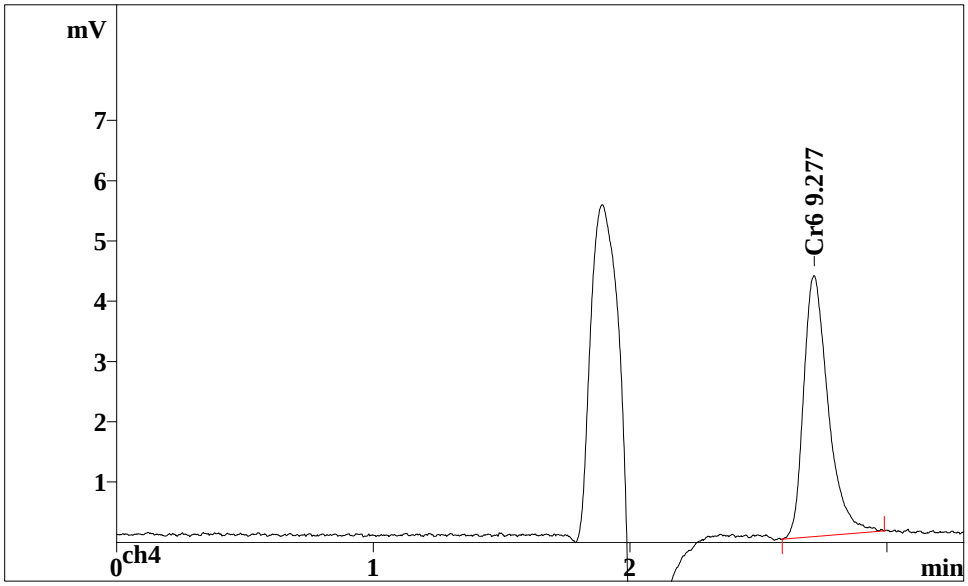
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17882

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: 7.8 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.099;	4.33;	99.94;	28.847;	100.00;	0.00;	0.00;	37

Report date: 8/27/2009 12:20:33 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-22-A@10
Analysis from: 8/24/2009 8:02:41 PM
File: t8242002.chw Last save: 8/27/2009 12:17:30 PM

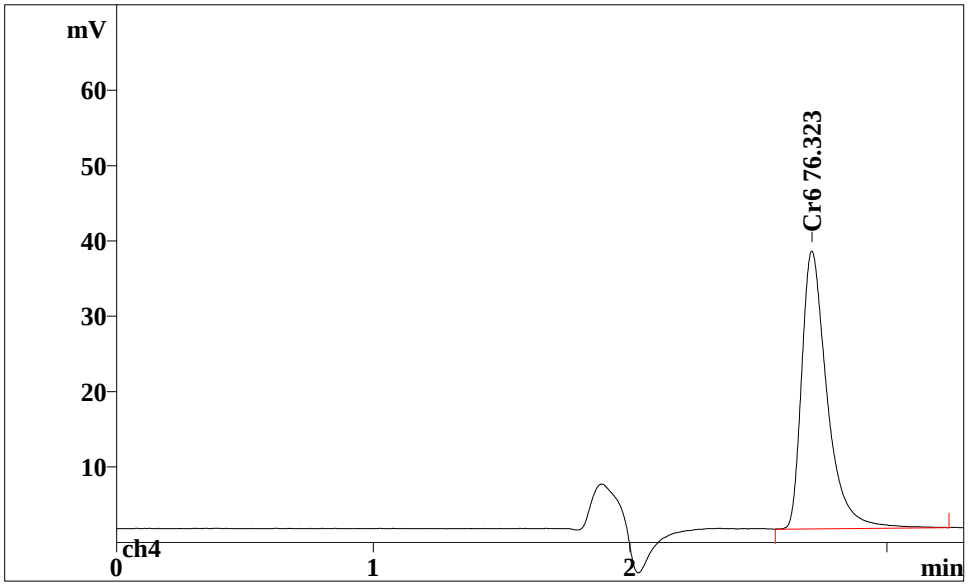
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17883

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: 7.8 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.100;	36.89;	100.02;	253.932;	100.00;	0.00;	0.00;	34

Report date: 8/27/2009 12:20:37 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-22-A@10
Analysis from: 8/24/2009 8:09:55 PM
File: t8242009.chw Last save: 8/27/2009 12:17:30 PM

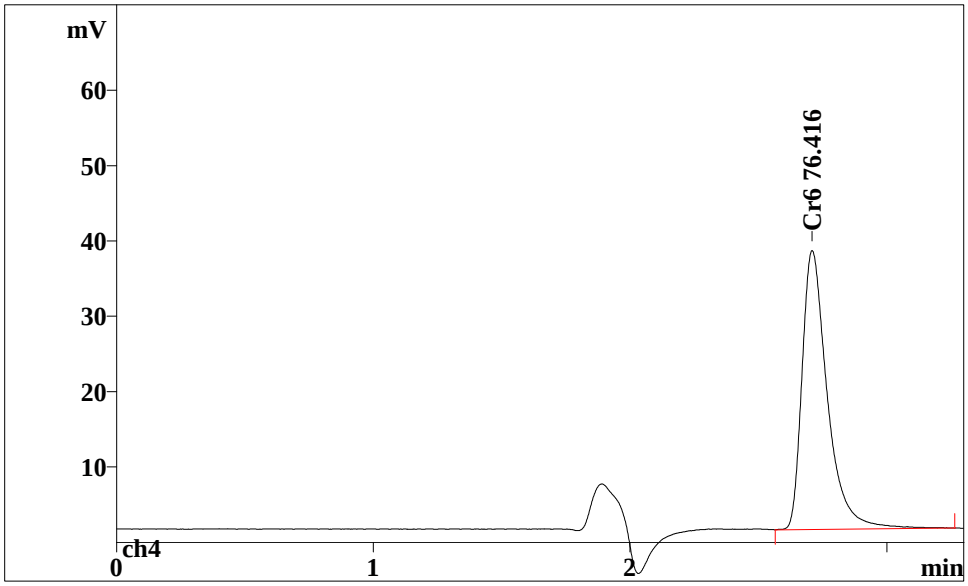
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17884

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: 7.8 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.100;	37.03;	99.98;	254.247;	100.00;	0.00;	0.00;	35

Report date: 8/27/2009 12:20:41 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-23-A@10
Analysis from: 8/24/2009 8:17:07 PM
File: t8242017.chw Last save: 8/27/2009 12:17:30 PM

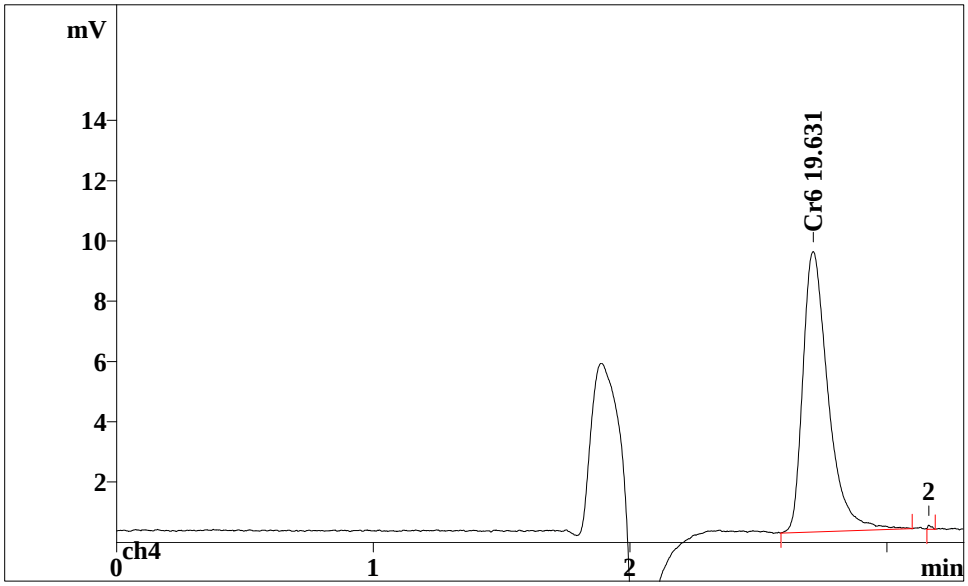
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17885

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: 7.9 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.101;	9.31;	98.58;	63.607;	99.79;	0.00;	4.53;	35

Report date: 8/27/2009 12:20:44 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-23-A@10
Analysis from: 8/24/2009 8:24:20 PM
File: t8242024.chw Last save: 8/27/2009 12:17:30 PM

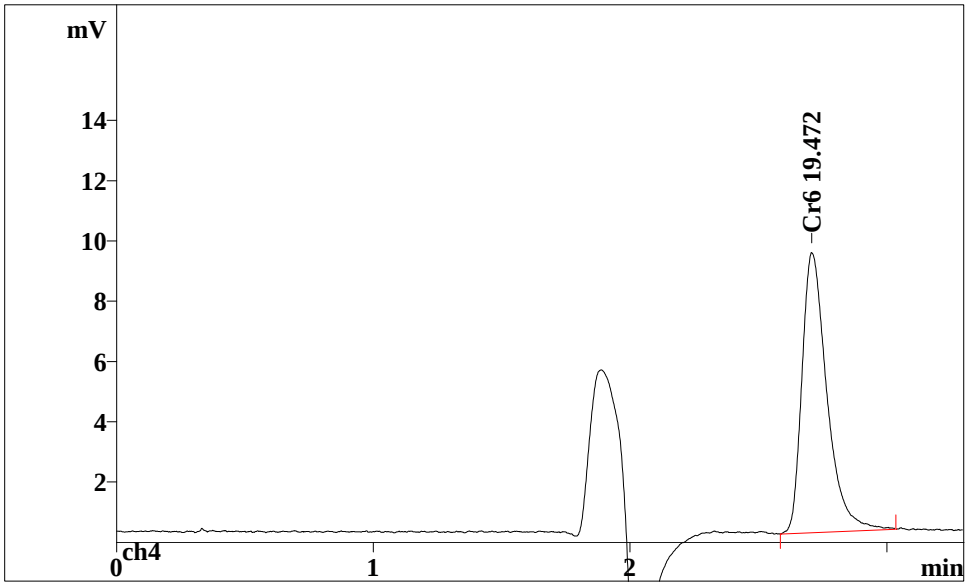
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17886

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: 7.8 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.100;	9.30;	99.95;	63.075;	100.00;	0.00;	0.00;	36

Report date: 8/27/2009 12:20:47 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-24-A@10
Analysis from: 8/24/2009 8:31:31 PM
File: t8242031.chw Last save: 8/27/2009 12:17:30 PM

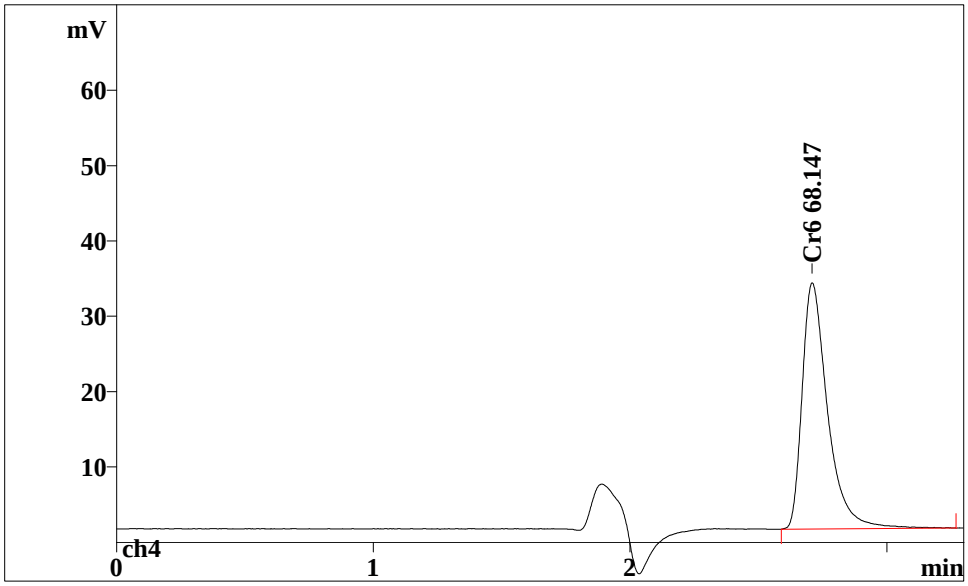
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17887

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: 7.9 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.100;	32.69;	100.00;	226.486;	100.00;	0.00;	0.00;	34

Report date: 8/27/2009 12:20:50 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-24-A@10
Analysis from: 8/24/2009 8:38:42 PM
File: t8242038.chw Last save: 8/27/2009 12:17:30 PM

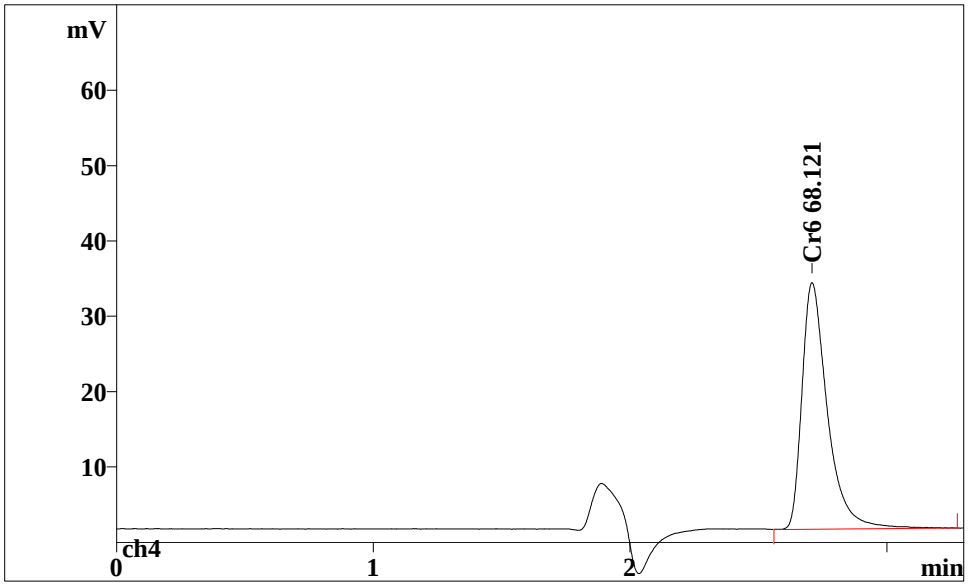
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17888

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: 7.8 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.100;	32.73;	100.01;	226.399;	100.00;	0.00;	0.00;	34

Report date: 8/27/2009 12:20:53 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-25-A@10
Analysis from: 8/24/2009 8:45:53 PM
File: t8242045.chw Last save: 8/27/2009 12:17:31 PM

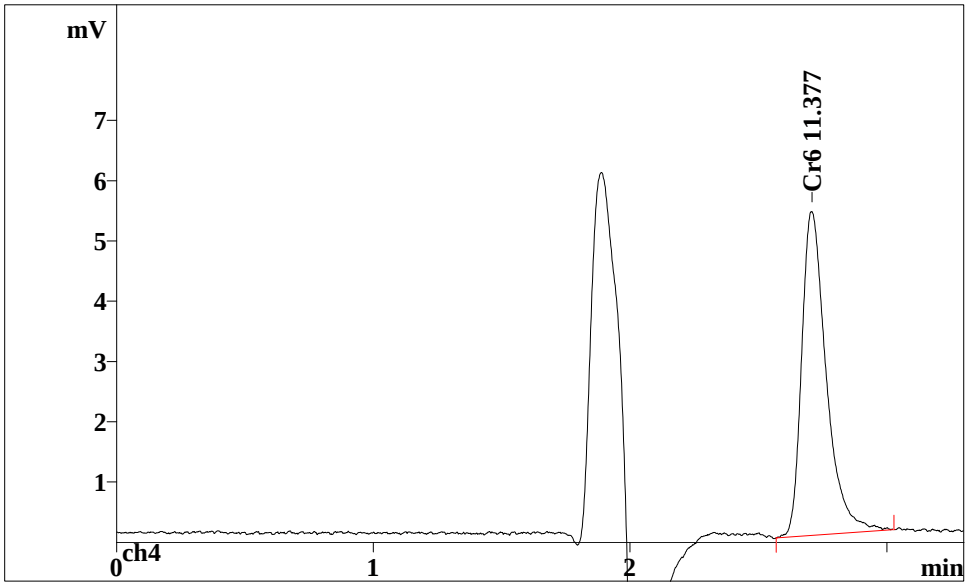
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17889

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: 7.8 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.098;	5.38;	100.08;	35.896;	100.00;	0.00;	0.00;	37

Report date: 8/27/2009 12:20:57 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-25-A@10
Analysis from: 8/24/2009 8:53:02 PM
File: t8242053.chw Last save: 8/27/2009 12:17:31 PM

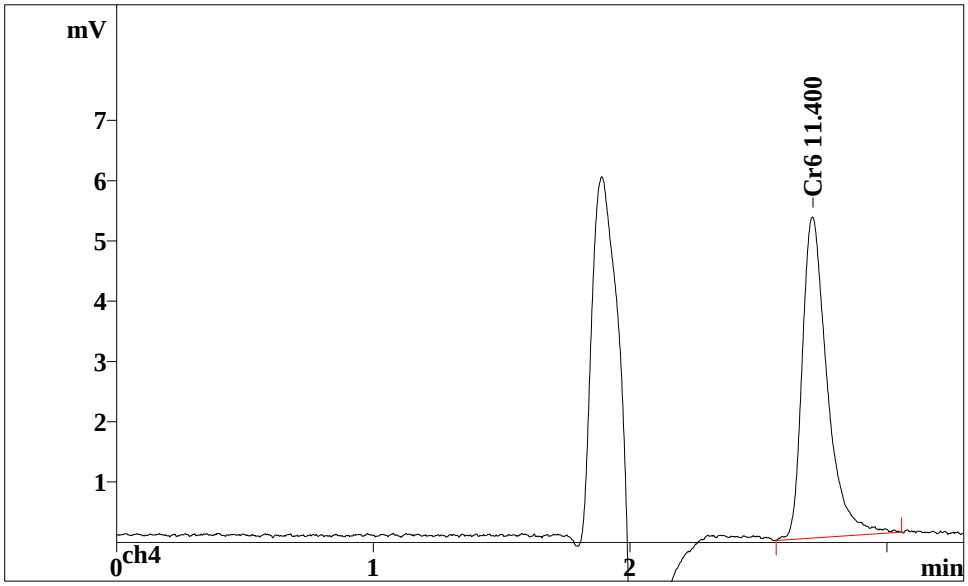
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17890

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: 7.9 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.099;	5.33;	100.02;	35.975;	100.00;	0.00;	0.00;	36

Report date: 8/27/2009 12:21:01 PM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 8/24/2009 9:00:11 PM
File: t8242100.chw Last save: 8/27/2009 12:17:31 PM

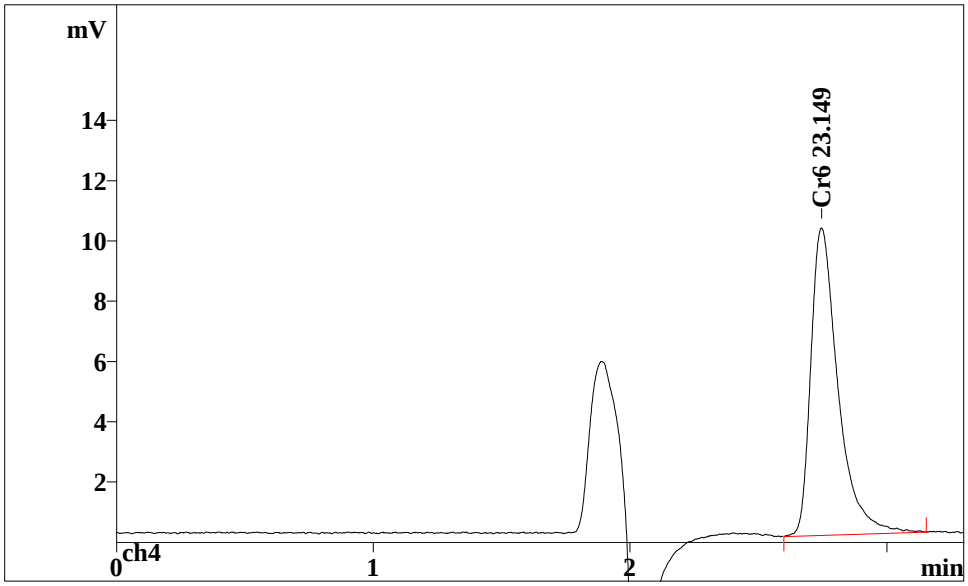
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17891

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: 7.9 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.75;	0.107;	10.21;	100.02;	75.417;	100.00;	0.00;	0.00;	31

Report date: 8/27/2009 12:21:05 PM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 8/24/2009 9:07:21 PM
File: t8242107.chw Last save: 8/27/2009 12:17:31 PM

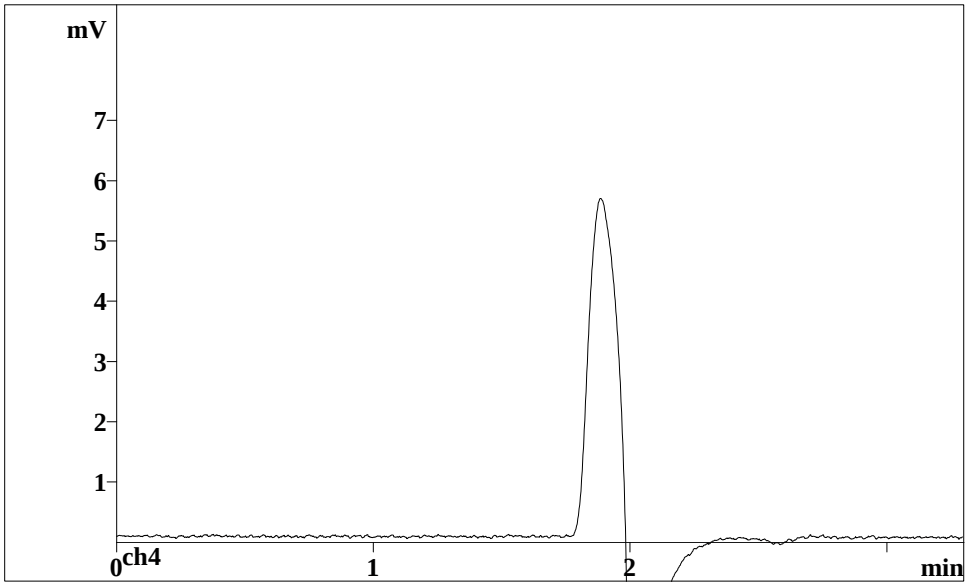
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17892

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: 7.8 MPa



No peaks

Report date: 8/27/2009 12:21:08 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-26-A@10
Analysis from: 8/24/2009 9:14:29 PM
File: t8242114.chw Last save: 8/27/2009 12:17:31 PM

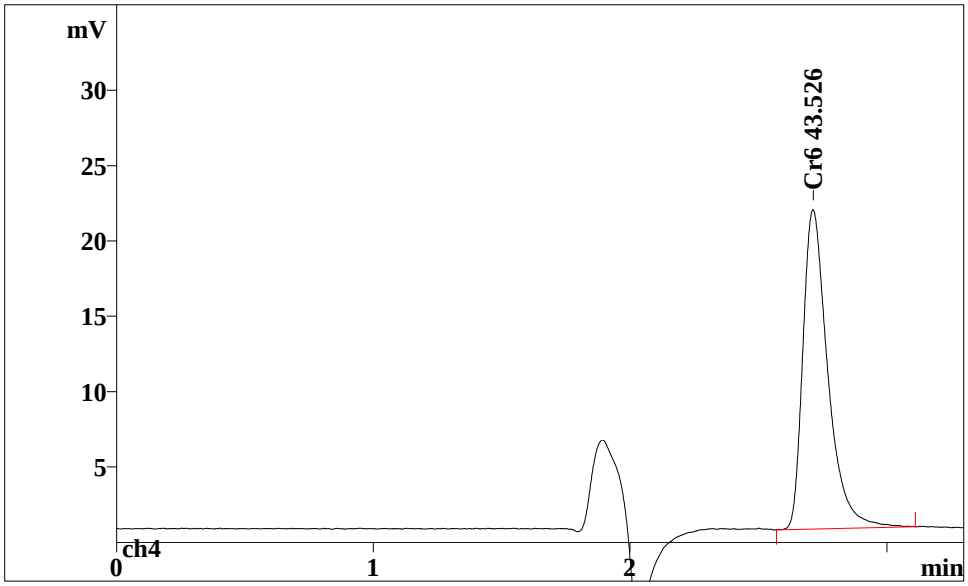
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17893

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: 7.9 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.100;	21.21;	99.98;	143.828;	100.00;	0.00;	0.00;	36

Report date: 8/27/2009 12:21:11 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-26-A@10
Analysis from: 8/24/2009 9:21:39 PM
File: t8242121.chw Last save: 8/27/2009 12:17:31 PM

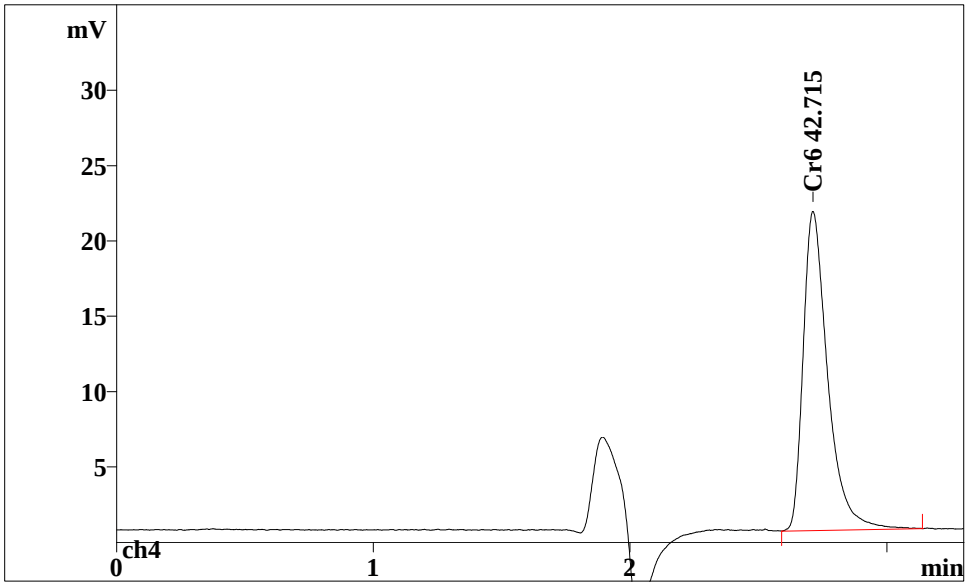
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17894

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: 7.8 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.097;	21.20;	100.02;	141.104;	100.00;	0.00;	0.00;	37

Report date: 8/27/2009 12:21:15 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-27-A@10
Analysis from: 8/24/2009 9:28:48 PM
File: t8242128.chw Last save: 8/27/2009 12:17:32 PM

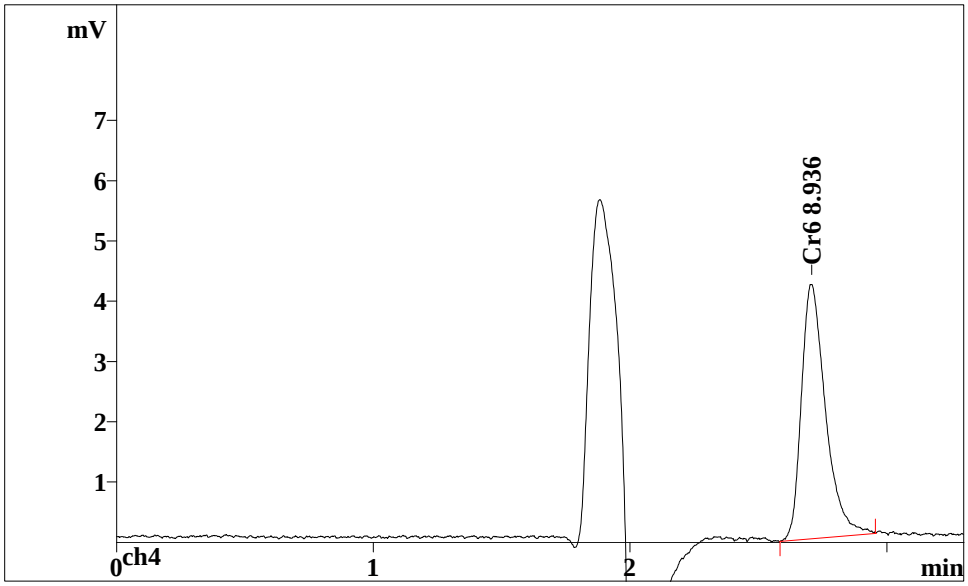
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17895

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: 7.9 MPa



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;	100.10;	27.702;	100.00;	0.00;	0.00;	38

Report date: 8/27/2009 12:21:18 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-27-A@10
Analysis from: 8/24/2009 9:35:56 PM
File: t8242135.chw Last save: 8/27/2009 12:17:32 PM

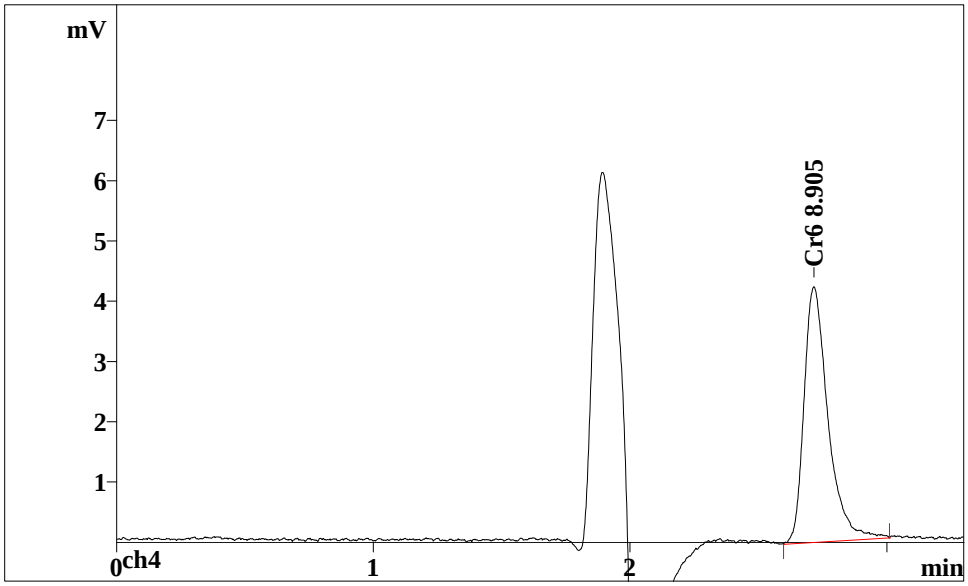
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17896

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: 7.9 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.095;	4.24;	99.96;	27.599;	100.00;	0.00;	0.00;	39

Report date: 8/27/2009 12:21:26 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-28-A@10
Analysis from: 8/24/2009 9:43:06 PM
File: t8242143.chw Last save: 8/27/2009 12:17:32 PM

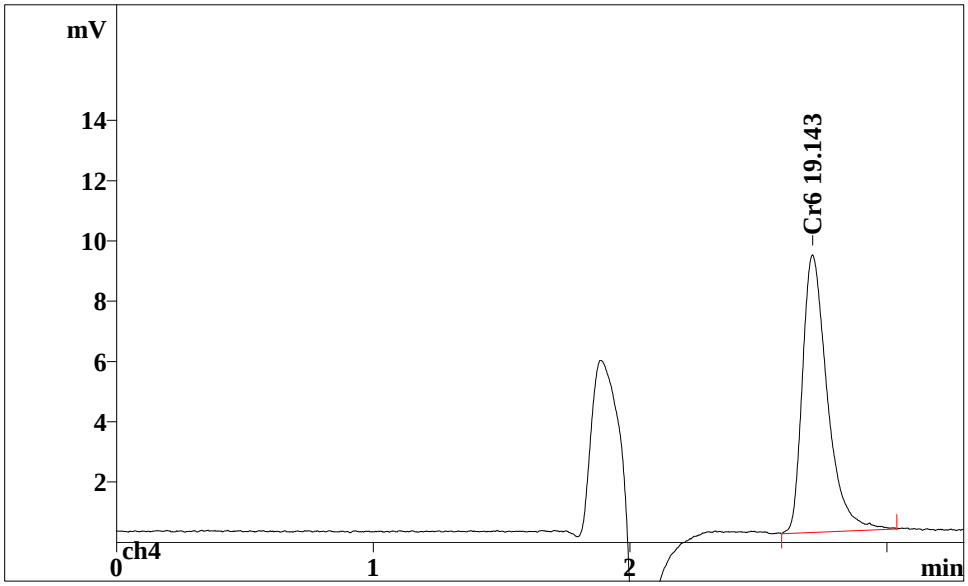
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17897

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: 7.8 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.099;	9.21;	99.96;	61.968;	100.00;	0.00;	0.00;	36

Report date: 8/27/2009 12:21:29 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-28-A@10
Analysis from: 8/24/2009 9:50:16 PM
File: t8242150.chw Last save: 8/27/2009 12:17:32 PM

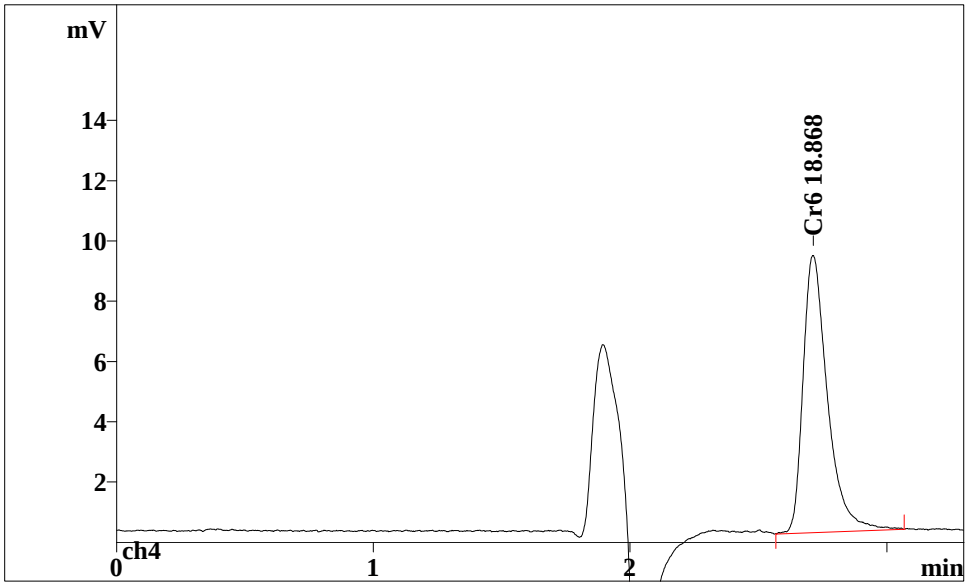
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17898

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: 7.9 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.097;	9.21;	99.97;	61.046;	100.00;	0.00;	0.00;	37

Report date: 8/27/2009 12:21:34 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-29-A@10
Analysis from: 8/24/2009 9:57:28 PM
File: t8242157.chw Last save: 8/27/2009 12:17:32 PM

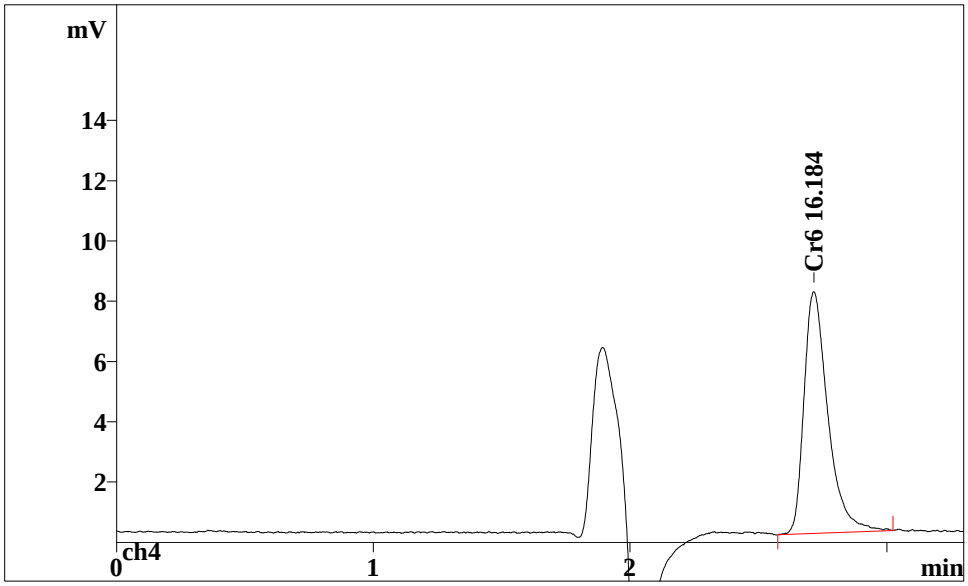
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17899

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.096;	8.03;	100.04;	52.035;	100.00;	0.00;	0.00;	39

Report date: 8/27/2009 12:21:38 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-29-A@10
Analysis from: 8/24/2009 10:04:39 PM
File: t8242204.chw Last save: 8/27/2009 12:17:33 PM

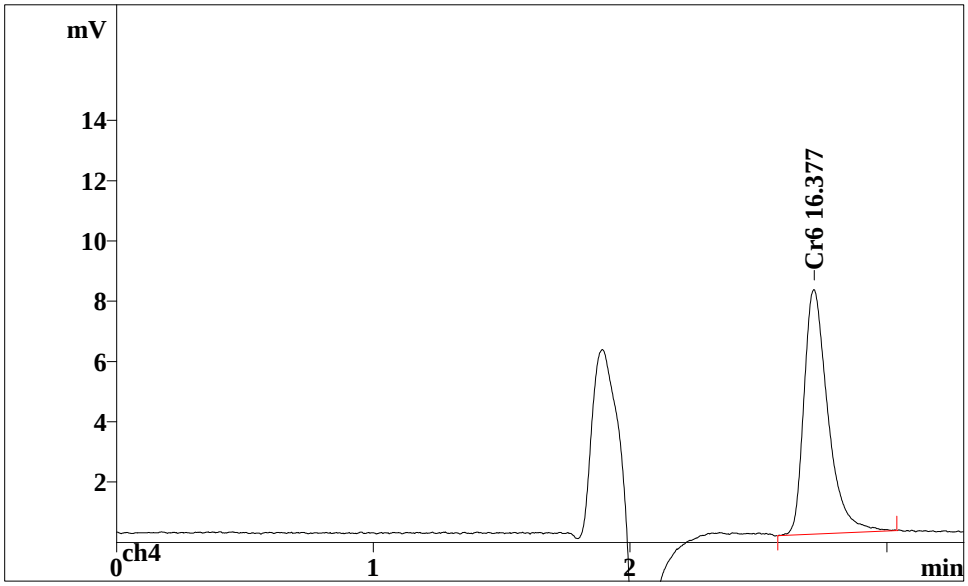
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17900

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: 7.9 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.096;	8.11;	99.97;	52.682;	100.00;	0.00;	0.00;	39

Report date: 8/27/2009 12:21:41 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-30-A@10
Analysis from: 8/24/2009 10:11:52 PM
File: t8242211.chw Last save: 8/27/2009 12:17:33 PM

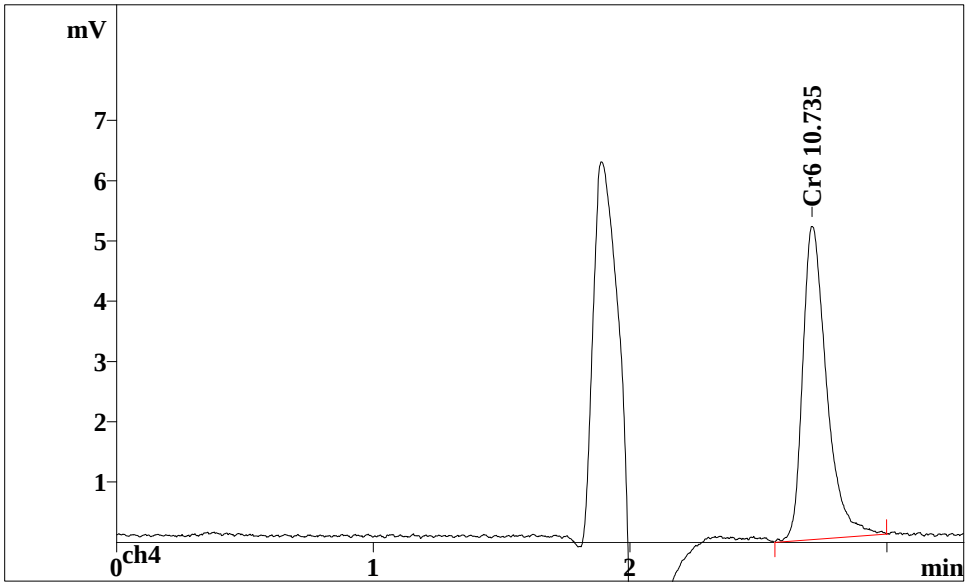
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17901

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: 7.9 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.095;	5.20;	100.01;	33.741;	100.00;	0.00;	0.00;	39

Report date: 8/27/2009 12:21:44 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-30-A@10
Analysis from: 8/24/2009 10:19:05 PM
File: t8242219.chw Last save: 8/27/2009 12:17:33 PM

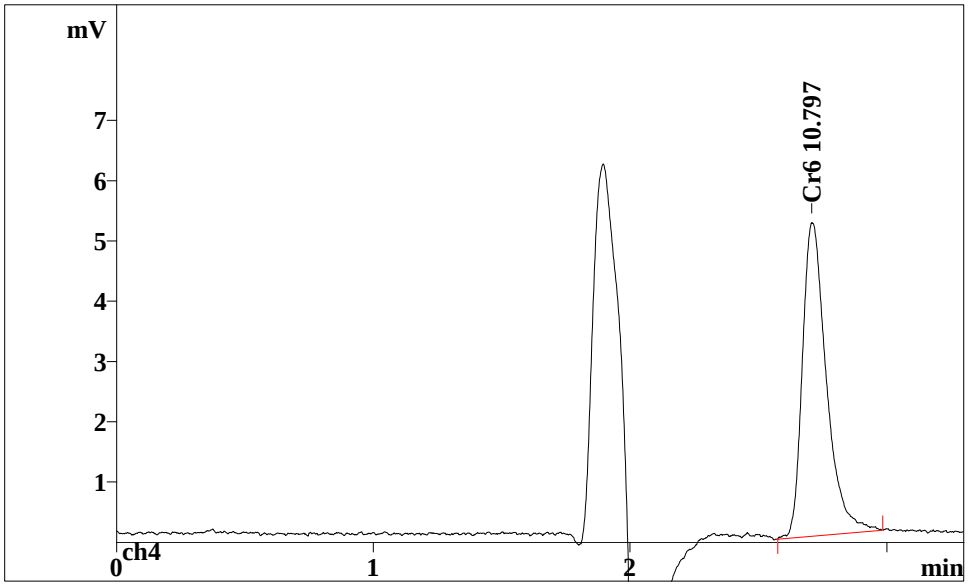
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17902

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: 7.9 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.096;	5.21;	100.03;	33.948;	100.00;	0.00;	0.00;	39

Report date: 8/27/2009 12:21:48 PM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 8/24/2009 10:26:19 PM
File: t8242226.chw Last save: 8/27/2009 12:17:33 PM

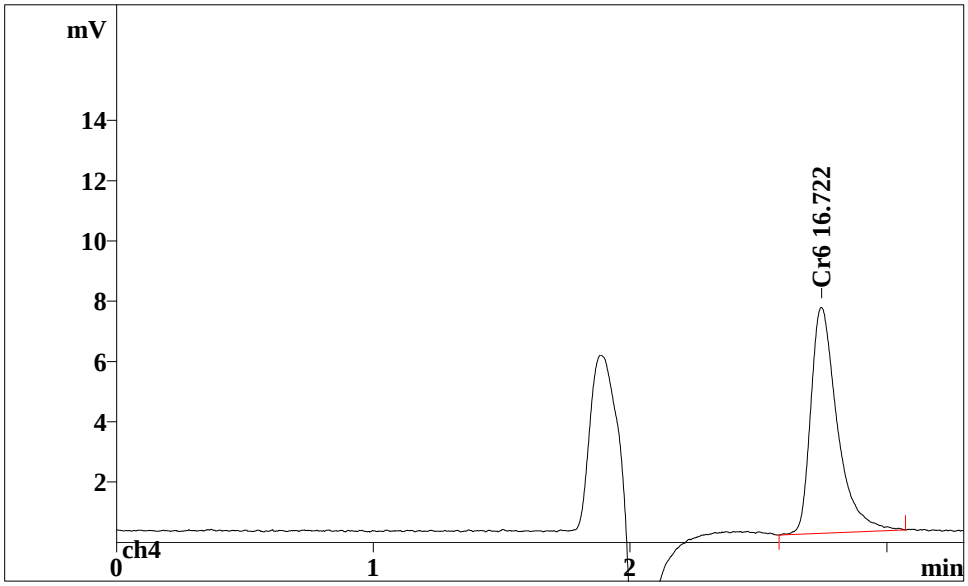
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17903

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: 7.9 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.104;	7.50;	100.02;	53.841;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 12:21:52 PM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 8/24/2009 10:33:34 PM
File: t8242233.chw Last save: 8/27/2009 12:17:34 PM

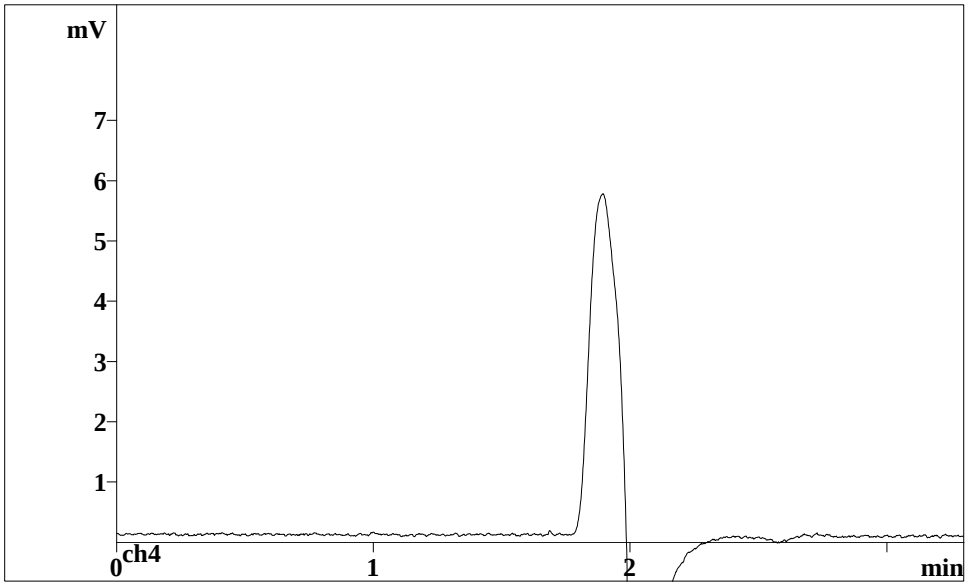
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17904

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: 7.9 MPa



No peaks

Report date: 8/27/2009 12:21:55 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-21-E PDS@40
Analysis from: 8/24/2009 10:40:49 PM
File: t8242240.chw Last save: 8/27/2009 12:17:34 PM

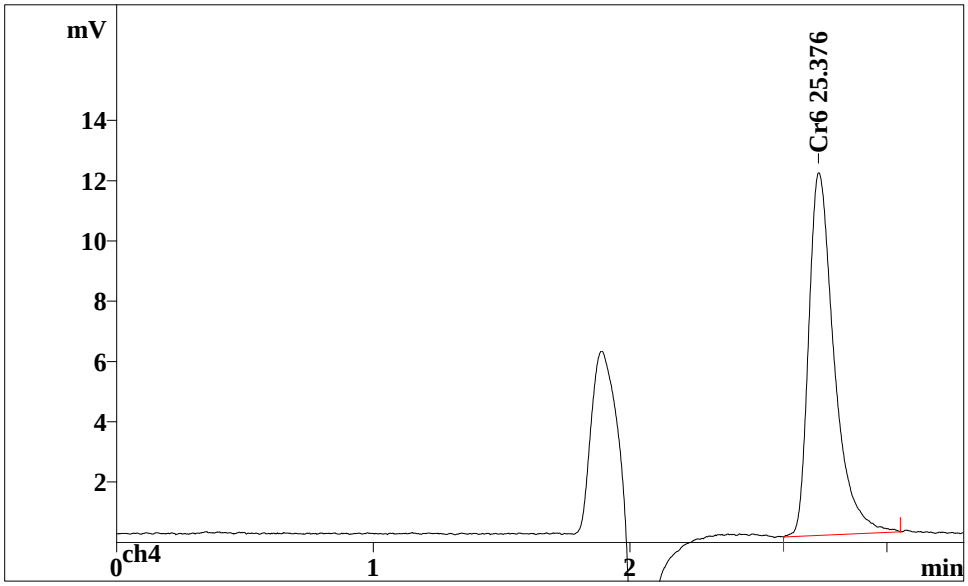
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17905

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: 7.8 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.101;	12.04;	100.04;	82.894;	100.00;	0.00;	0.00;	35

Report date: 8/27/2009 12:21:59 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-21-E PDS@40
Analysis from: 8/24/2009 10:48:05 PM
File: t8242248.chw Last save: 8/27/2009 12:17:34 PM

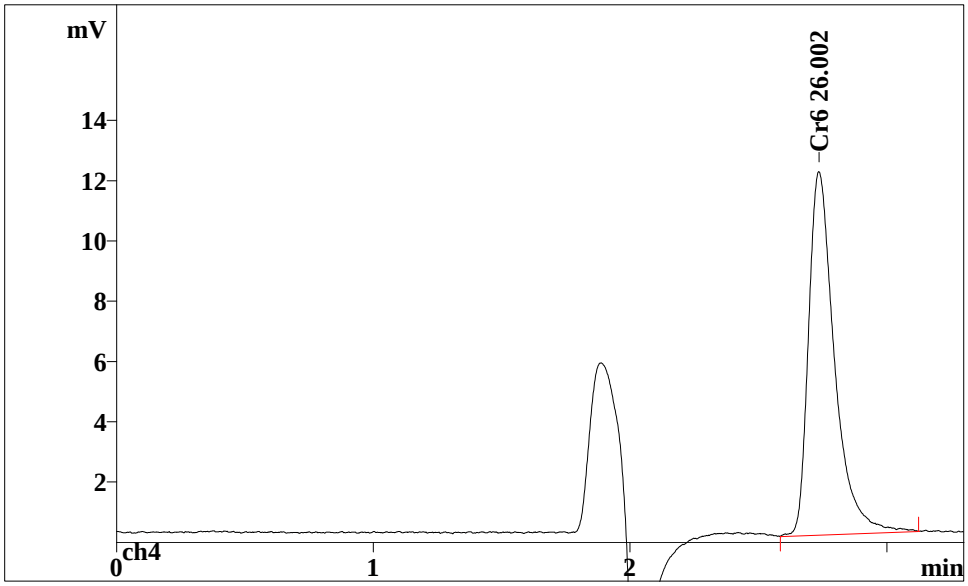
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17906

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: 7.7 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.102;	12.07;	100.00;	84.996;	100.00;	0.00;	0.00;	34

Report date: 8/27/2009 12:22:02 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-24-A@20
Analysis from: 8/24/2009 10:55:22 PM
File: t8242255.chw Last save: 8/27/2009 12:17:34 PM

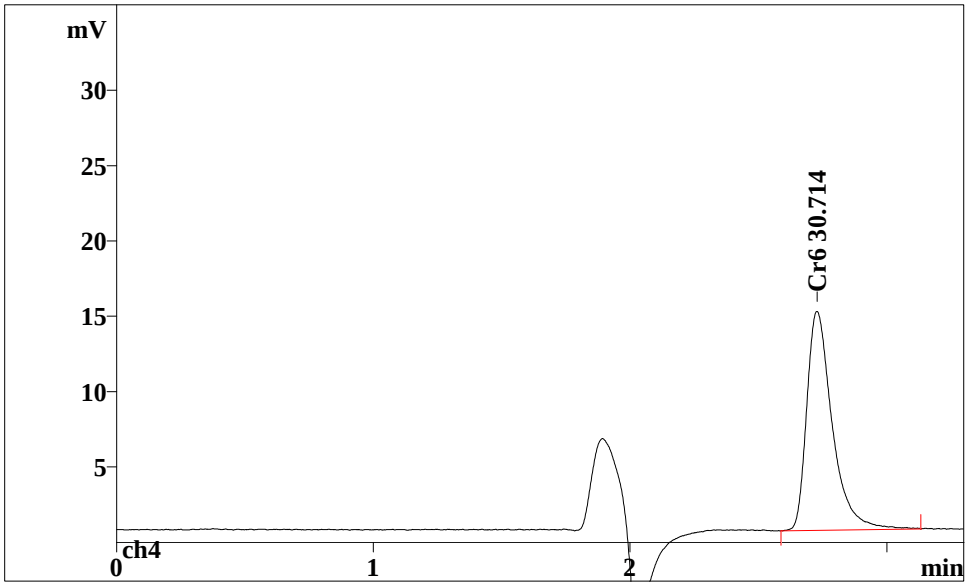
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17907

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: 7.9 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.101;	14.56;	99.97;	100.815;	100.00;	0.00;	0.00;	35

Report date: 8/27/2009 12:22:06 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-24-A@20
Analysis from: 8/24/2009 11:02:40 PM
File: t8242302.chw Last save: 8/27/2009 12:17:34 PM

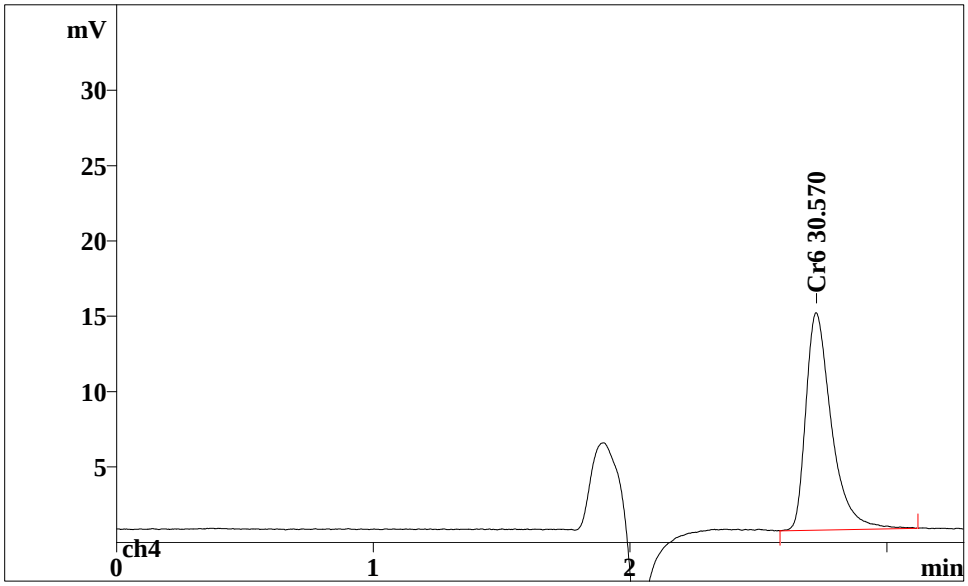
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17908

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: 7.9 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.102;	14.44;	99.95;	100.332;	100.00;	0.00;	0.00;	34

Report date: 8/27/2009 12:22:11 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-22-A@40
Analysis from: 8/24/2009 11:09:57 PM
File: t8242309.chw Last save: 8/27/2009 12:17:34 PM

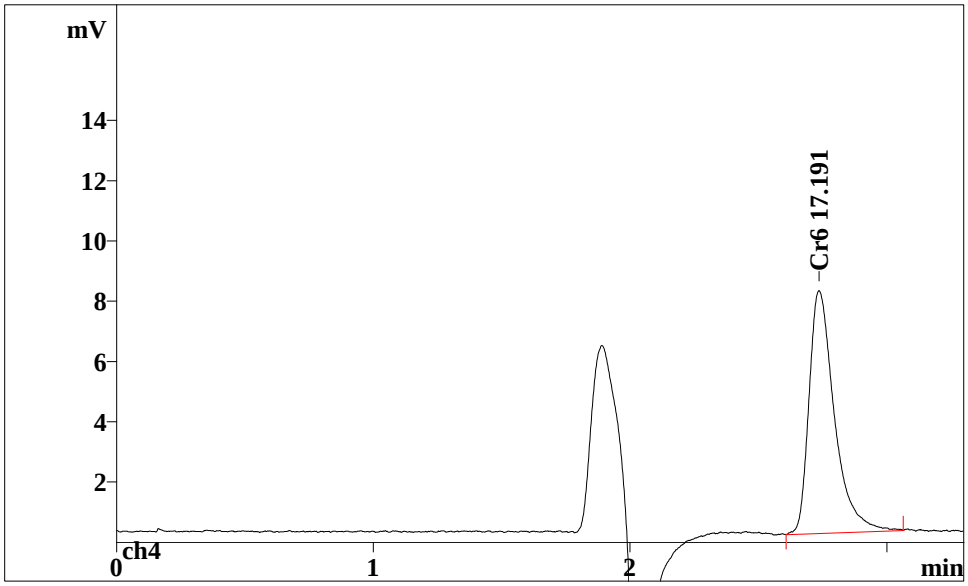
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17909

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: 7.8 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.100;	8.06;	99.99;	55.415;	100.00;	0.00;	0.00;	35

Report date: 8/27/2009 12:22:17 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-22-A@40
Analysis from: 8/24/2009 11:17:16 PM
File: t8242317.chw Last save: 8/27/2009 12:17:35 PM

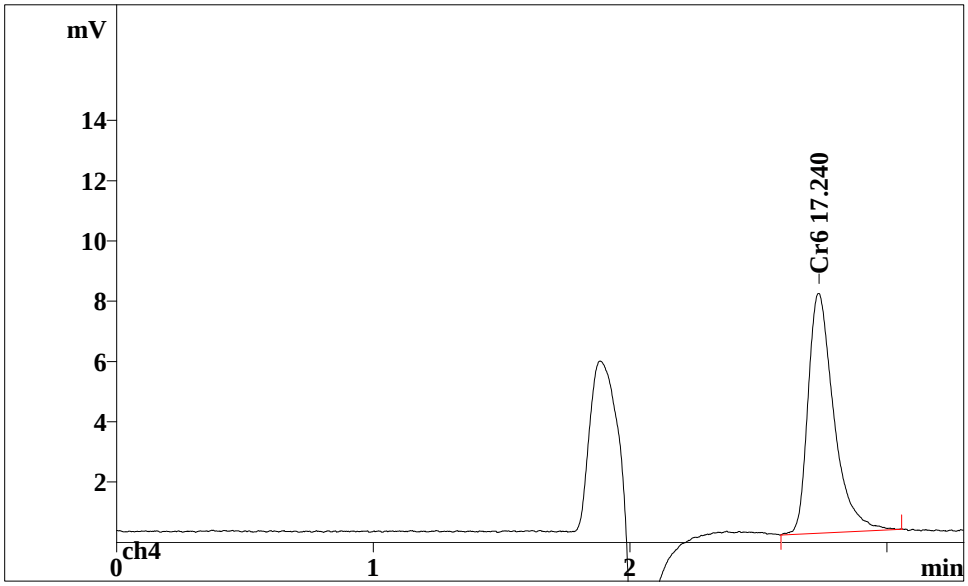
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17910

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: 7.9 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.103;	7.97;	100.02;	55.580;	100.00;	0.00;	0.00;	34

Report date: 8/27/2009 12:22:21 PM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 8/24/2009 11:24:34 PM
File: t8242324.chw Last save: 8/27/2009 12:17:35 PM

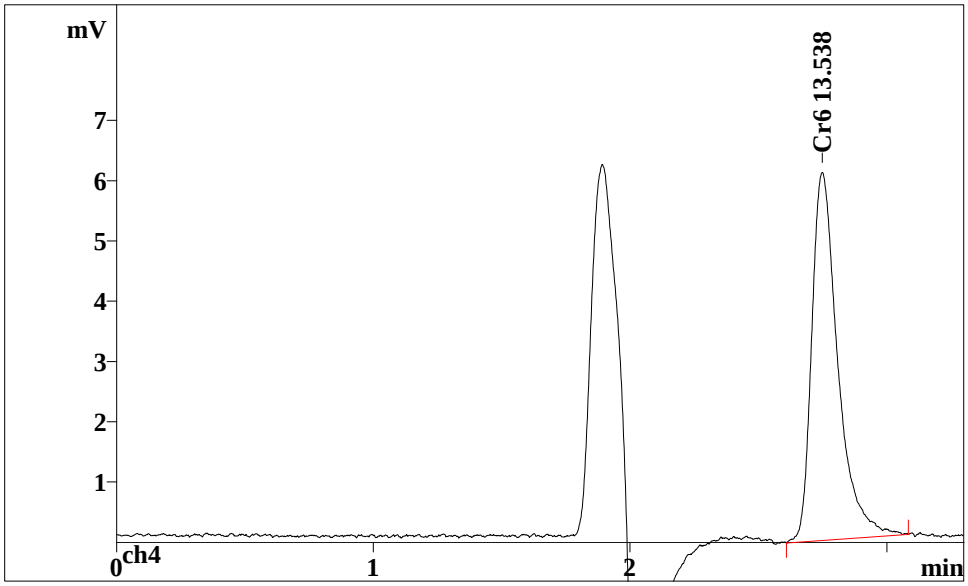
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17911

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: 8.0 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.75;	0.103;	6.11;	99.95;	43.152;	100.00;	0.00;	0.00;	34

Report date: 8/27/2009 12:22:24 PM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 8/24/2009 11:31:53 PM
File: t8242331.chw Last save: 8/27/2009 12:17:35 PM

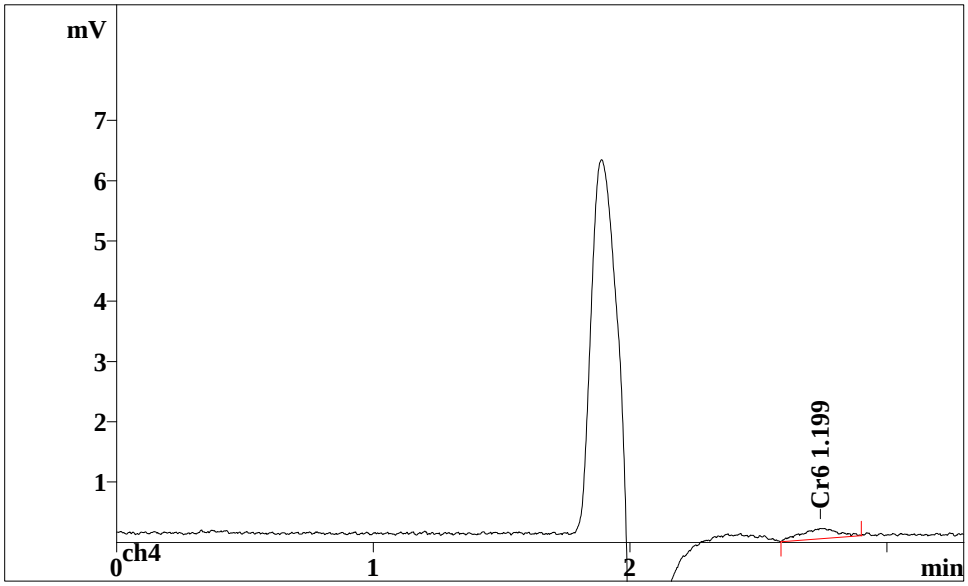
Method: stl_hexchrome_soil.mtw Last save: 8/24/2009 9:43:50
Run operator: TestAmerica - Edison
Analysis number: 17912

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: 7.9 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.75;	0.163;	0.17;	96.84;	1.728;	100.00;	0.00;	0.00;	17

Report date: 8/27/2009 12:25:31 PM
Printed by: TestAmerica - Edison

Ident: 0 ppb
Analysis from: 8/26/2009 9:34:06 AM
File: t8260934.chw Last save: 8/27/2009 12:24:30 PM

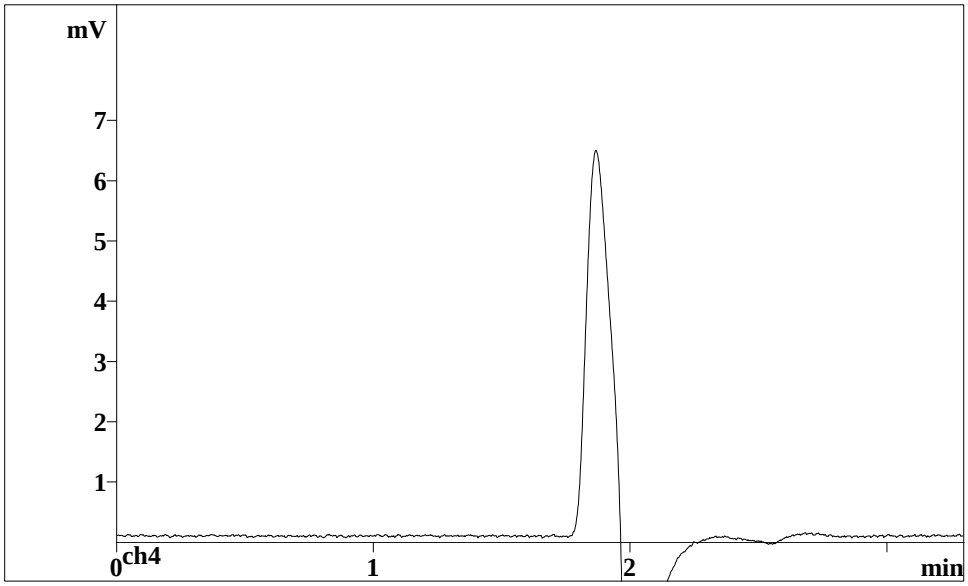
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17958

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: 6.5 MPa



No peaks

Report date: 8/27/2009 12:25:58 PM
Printed by: TestAmerica - Edison

Ident: 5 ppb
Analysis from: 8/26/2009 9:41:14 AM
File: t8260941.chw Last save: 8/27/2009 12:24:30 PM

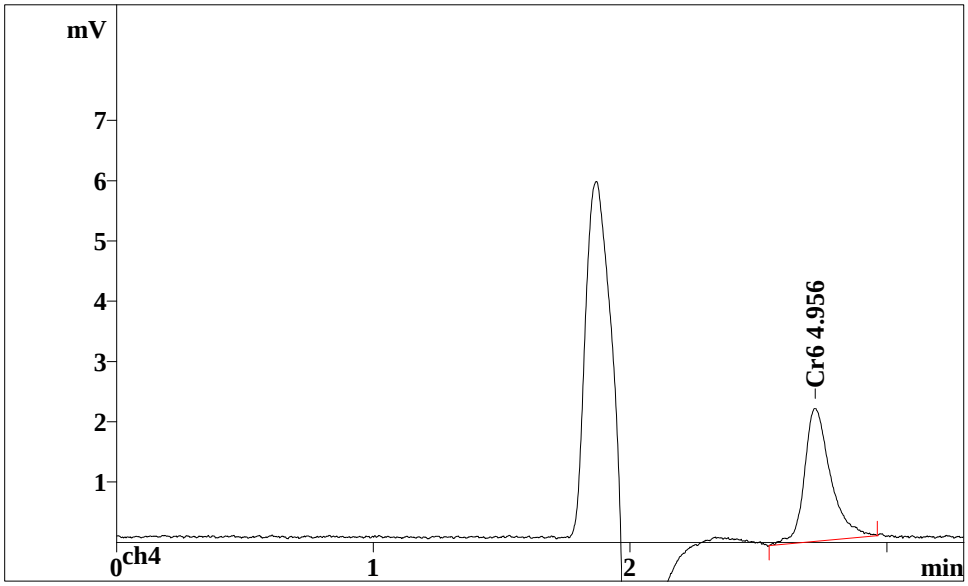
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17959

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: 6.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.101;	2.21;	99.91;	15.622;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 12:26:01 PM
Printed by: TestAmerica - Edison

Ident: 10 ppb
Analysis from: 8/26/2009 9:48:23 AM
File: t8260948.chw Last save: 8/27/2009 12:24:30 PM

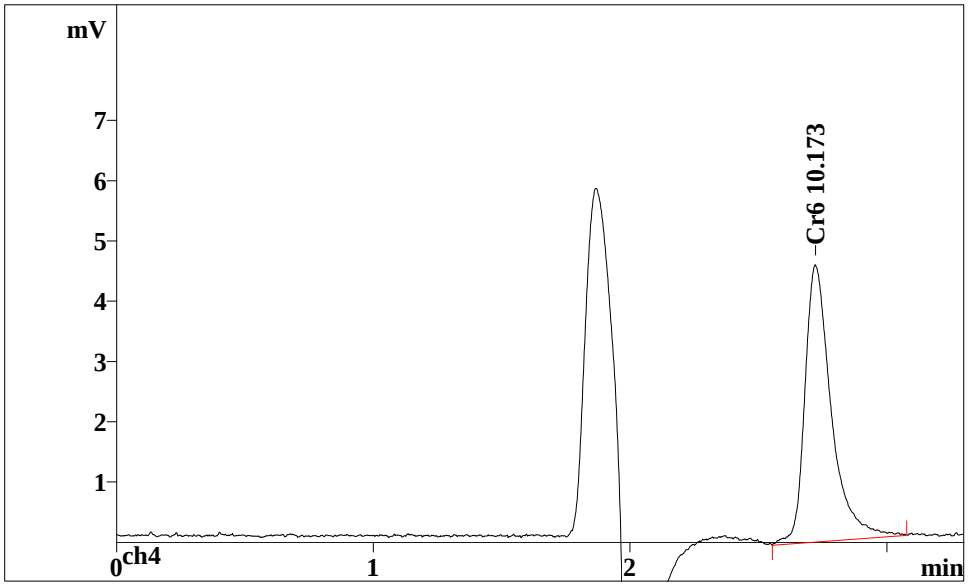
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17960

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: 6.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.102;	4.60;	99.78;	33.068;	100.00;	0.00;	0.00;	32

Report date: 8/27/2009 12:26:04 PM
Printed by: TestAmerica - Edison

Ident: 25 ppb
Analysis from: 8/26/2009 9:56:15 AM
File: t8260956.chw Last save: 8/27/2009 12:24:31 PM

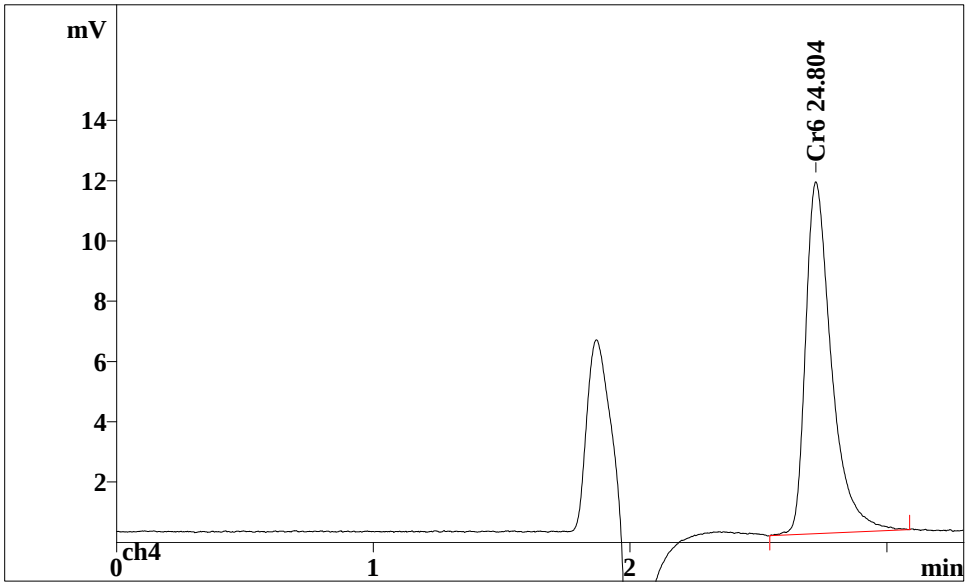
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17961

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



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.102;	11.68;	99.99;	81.995;	100.00;	0.00;	0.00;	34

Report date: 8/27/2009 12:26:07 PM
Printed by: TestAmerica - Edison

Ident: 50 ppb
Analysis from: 8/26/2009 10:03:26 AM
File: t8261003.chw Last save: 8/27/2009 12:24:31 PM

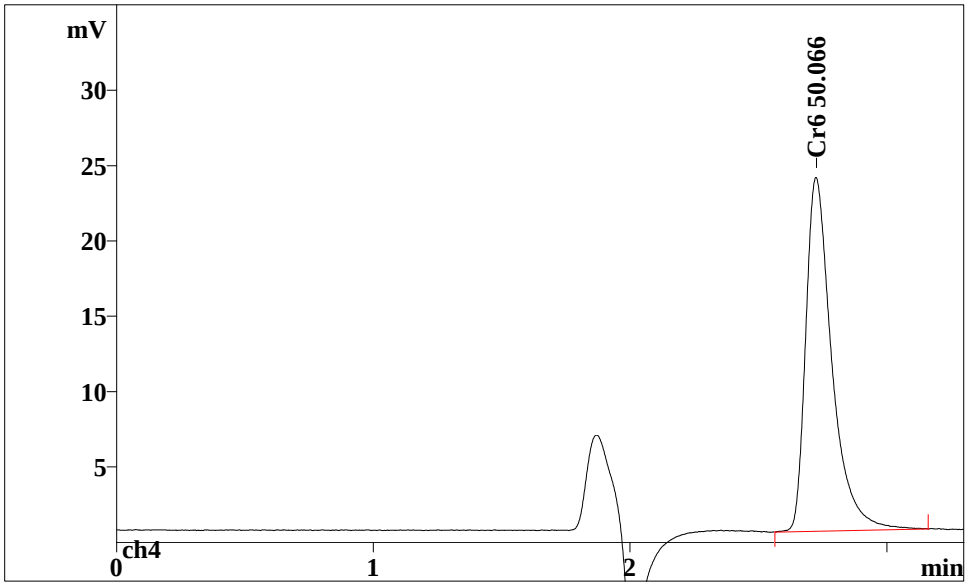
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17962

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

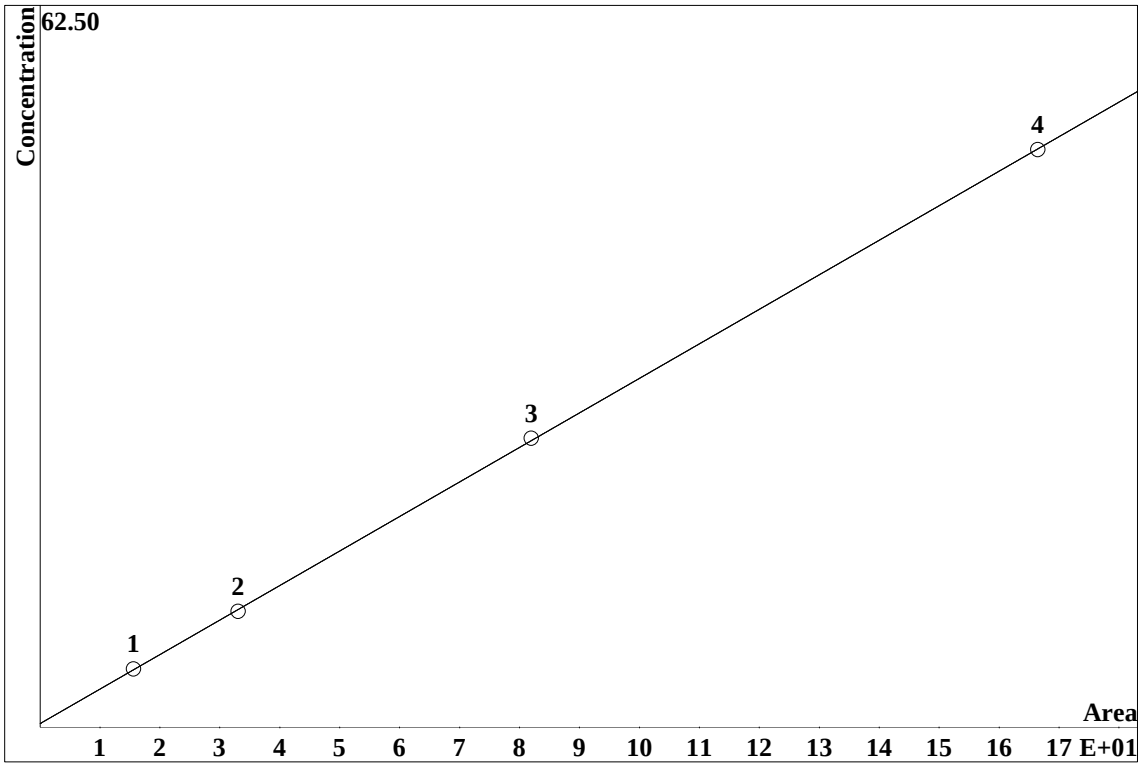
Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 6.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.102;	23.51;	100.01;	166.469;	100.00;	0.00;	0.00;	33

CALIBRATION OF COMPONENT Cr6

Method: stl_hexchrome_soil.mtw
Equation: Q = 0.299043·A + 0.28456
RSD: 0.858 %
Correlation coefficient: 0.999970



K3 = 0 K2 = 0 K1 = 0.299043 K0 = 0.28456
Base: Area
Ref.channel: ch4
ISTD:
Formula: Linear
Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1;	2.215;	15.62;	5;	1;	2.72;	Yes;	t8260941.chw
2;	4.607;	33.07;	10;	1;	2.72;	Yes;	t8260948.chw
3;	11.68;	81.99;	25;	1;	2.72;	Yes;	t8260956.chw
4;	23.51;	166.5;	50;	1;	2.72;	Yes;	t8261003.chw

Report date: 8/27/2009 12:26:20 PM
Printed by: TestAmerica - Edison

Ident: ICV
Analysis from: 8/26/2009 10:10:37 AM
File: t8261010.chw Last save: 8/27/2009 12:24:31 PM

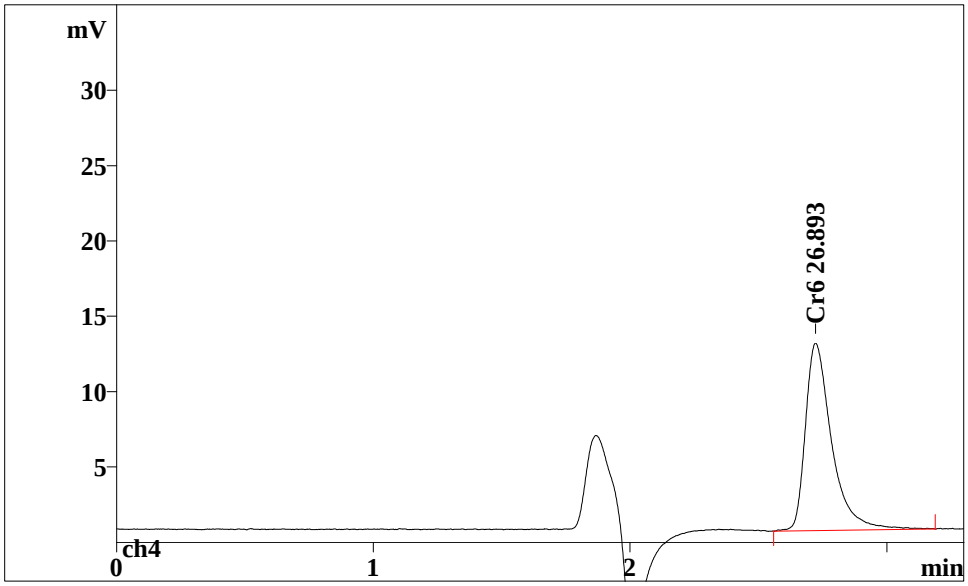
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17963

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



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.102;	12.46;	100.00;	88.980;	100.00;	0.00;	0.00;	32

Report date: 8/27/2009 12:26:24 PM
Printed by: TestAmerica - Edison

Ident: ICB
Analysis from: 8/26/2009 10:17:49 AM
File: t8261017.chw Last save: 8/27/2009 12:24:31 PM

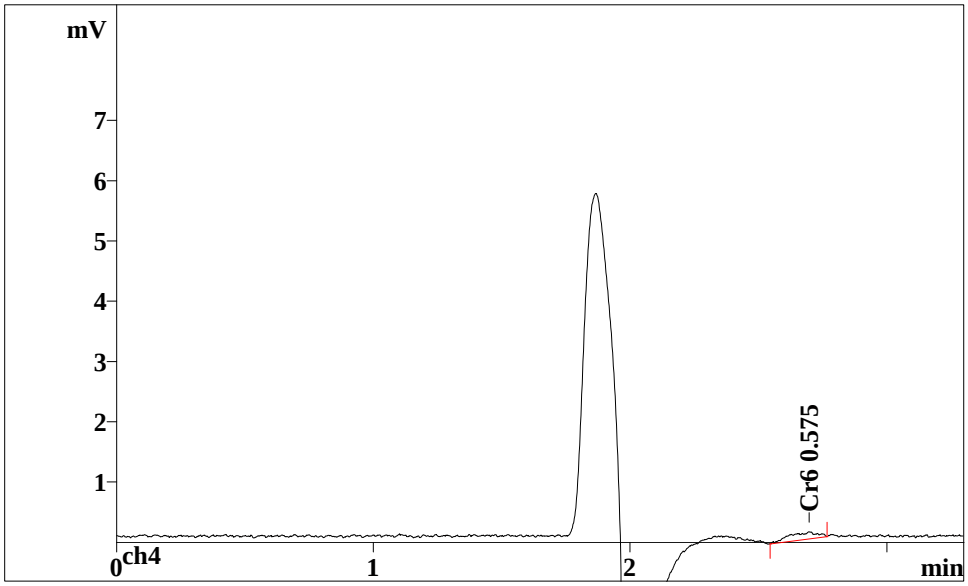
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17964

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



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.140;	0.12;	97.89;	0.971;	100.00;	0.00;	0.00;	25

Report date: 8/27/2009 12:26:27 PM
Printed by: TestAmerica - Edison

Ident: MB 460-14913/1-A@10
Analysis from: 8/26/2009 10:25:02 AM
File: t8261025.chw Last save: 8/27/2009 12:24:31 PM

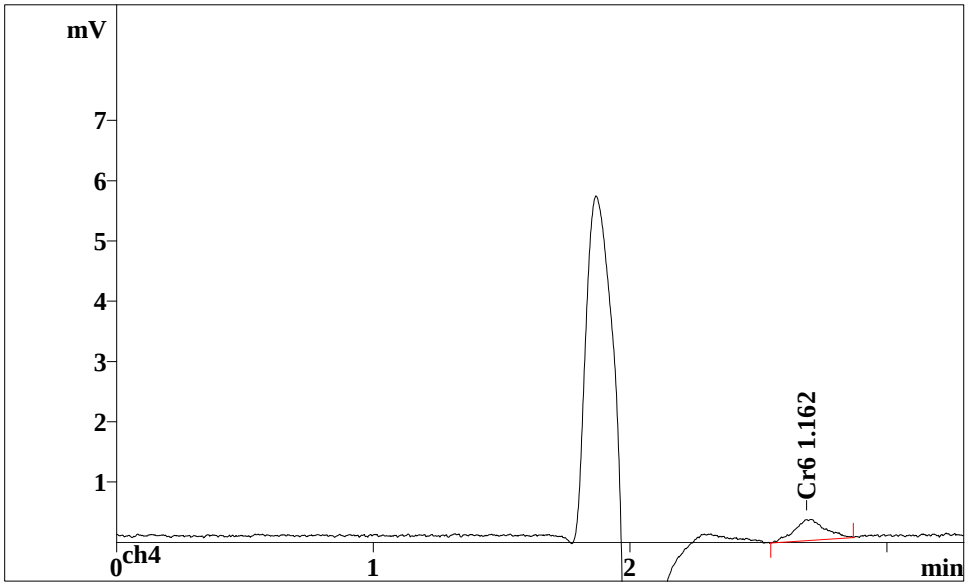
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17965

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



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.120;	0.35;	99.30;	2.934;	100.00;	0.00;	0.00;	23

Report date: 8/27/2009 12:26:30 PM
Printed by: TestAmerica - Edison

Ident: MB 460-14913/1-A@10
Analysis from: 8/26/2009 10:32:15 AM
File: t8261032.chw Last save: 8/27/2009 12:24:31 PM

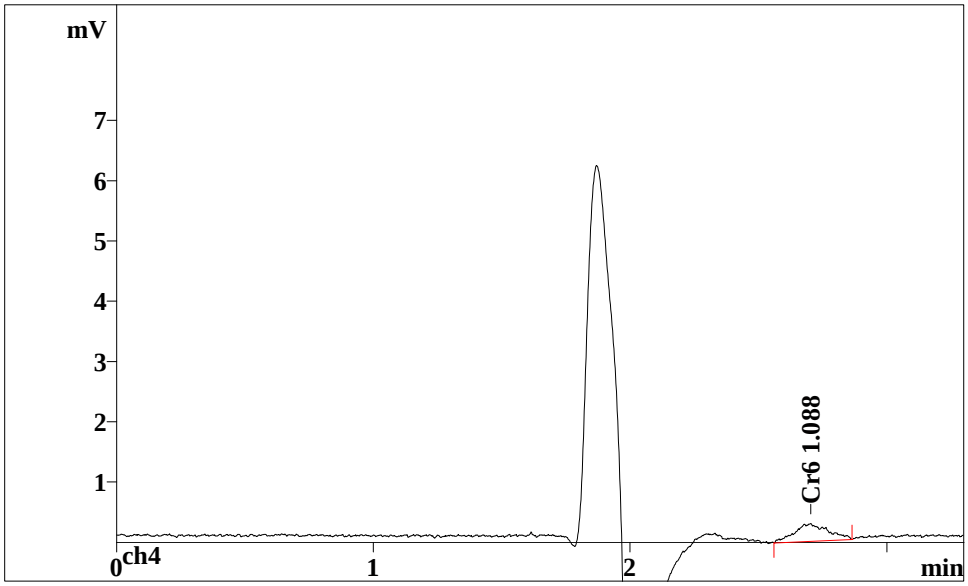
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17966

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



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.132;	0.29;	99.00;	2.685;	100.00;	0.00;	0.00;	19

Report date: 8/27/2009 12:26:34 PM
Printed by: TestAmerica - Edison

Ident: LCS 460-14913/2-A@10
Analysis from: 8/26/2009 10:39:29 AM
File: t8261039.chw Last save: 8/27/2009 12:24:32 PM

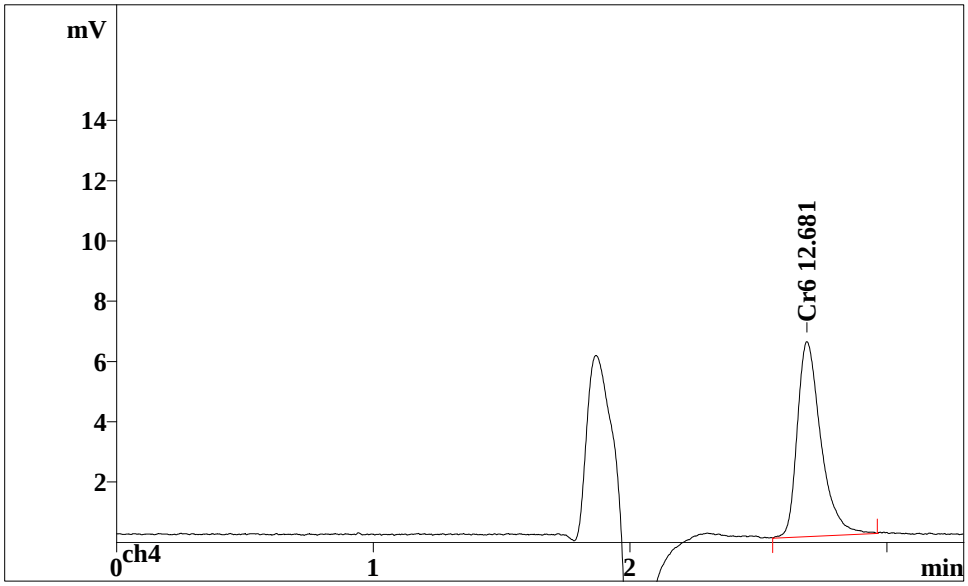
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17967

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



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.095;	6.47;	100.03;	41.454;	100.00;	0.00;	0.00;	39

Report date: 8/27/2009 12:26:38 PM
Printed by: TestAmerica - Edison

Ident: LCS 460-14913/2-A@10
Analysis from: 8/26/2009 10:46:43 AM
File: t8261046.chw Last save: 8/27/2009 12:24:32 PM

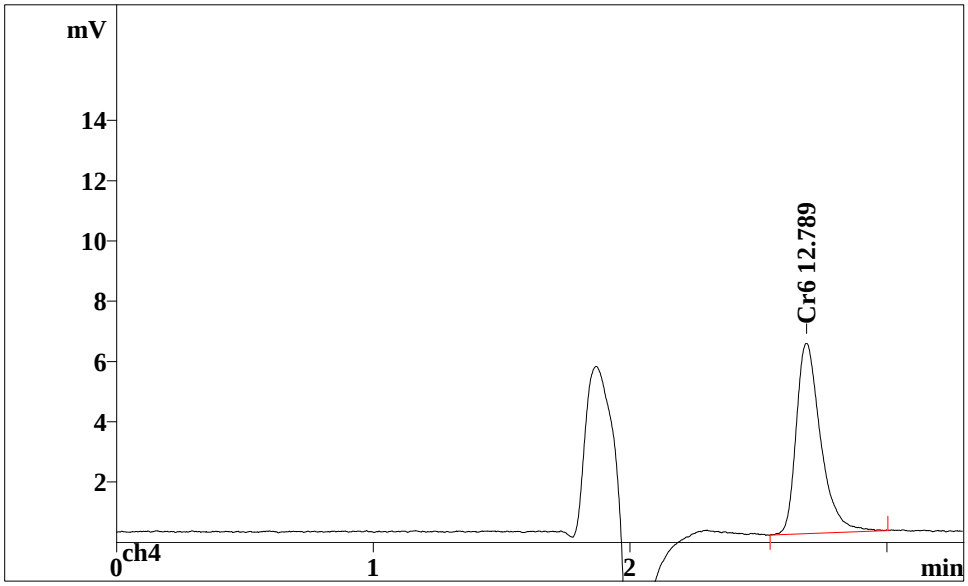
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17968

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



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.098;	6.33;	100.05;	41.815;	100.00;	0.00;	0.00;	37

Report date: 8/27/2009 12:26:41 PM
Printed by: TestAmerica - Edison

Ident: LCSI 460-14913/3-A@500
Analysis from: 8/26/2009 10:53:58 AM
File: t8261053.chw Last save: 8/27/2009 12:24:32 PM

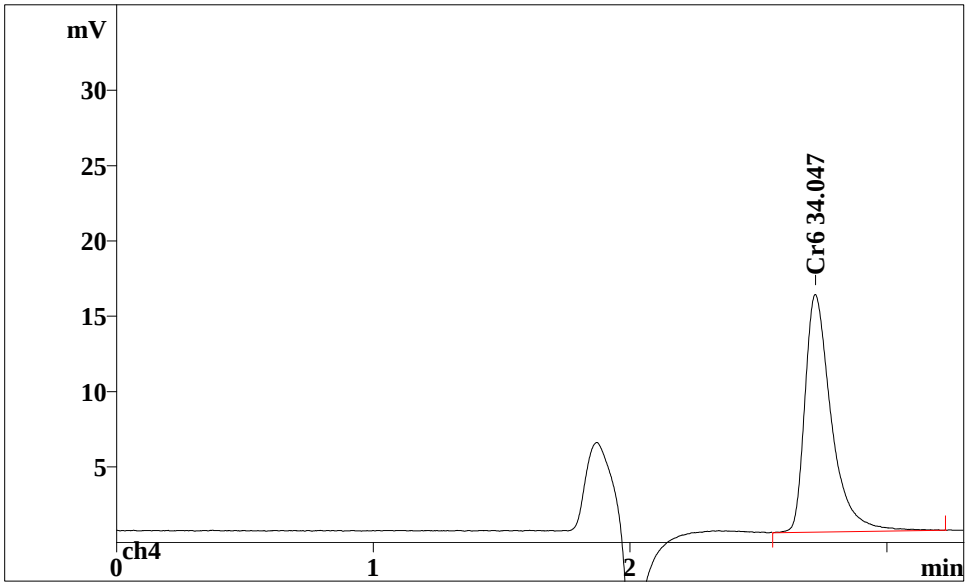
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17969

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



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.103;	15.78;	99.99;	112.900;	100.00;	0.00;	0.00;	32

Report date: 8/27/2009 12:26:44 PM
Printed by: TestAmerica - Edison

Ident: LCSI 460-14913/3-A@500
Analysis from: 8/26/2009 11:01:14 AM
File: t8261101.chw Last save: 8/27/2009 12:24:32 PM

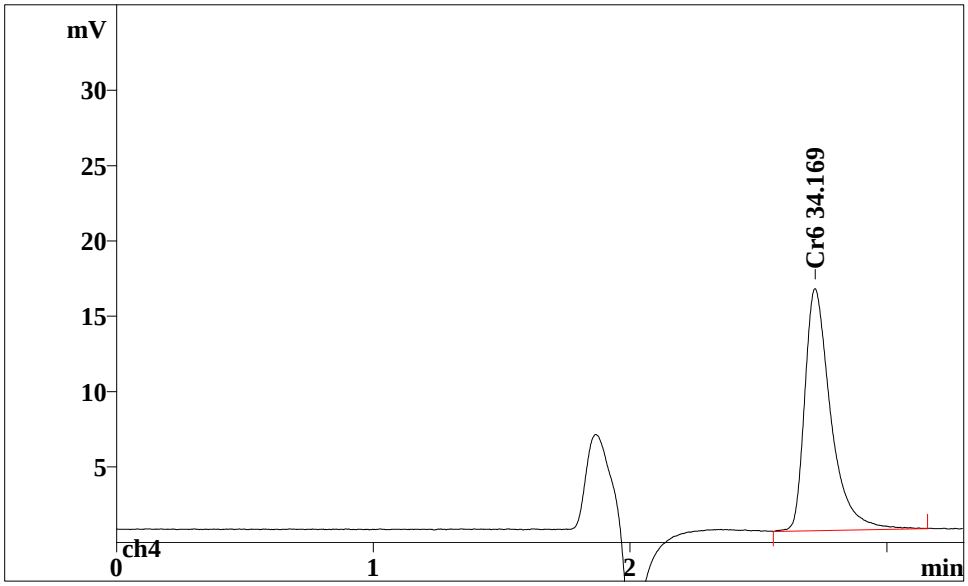
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17970

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: 6.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.102;	16.07;	100.00;	113.311;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 12:26:47 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-26-A@10
Analysis from: 8/26/2009 11:08:30 AM
File: t8261108.chw Last save: 8/27/2009 12:24:32 PM

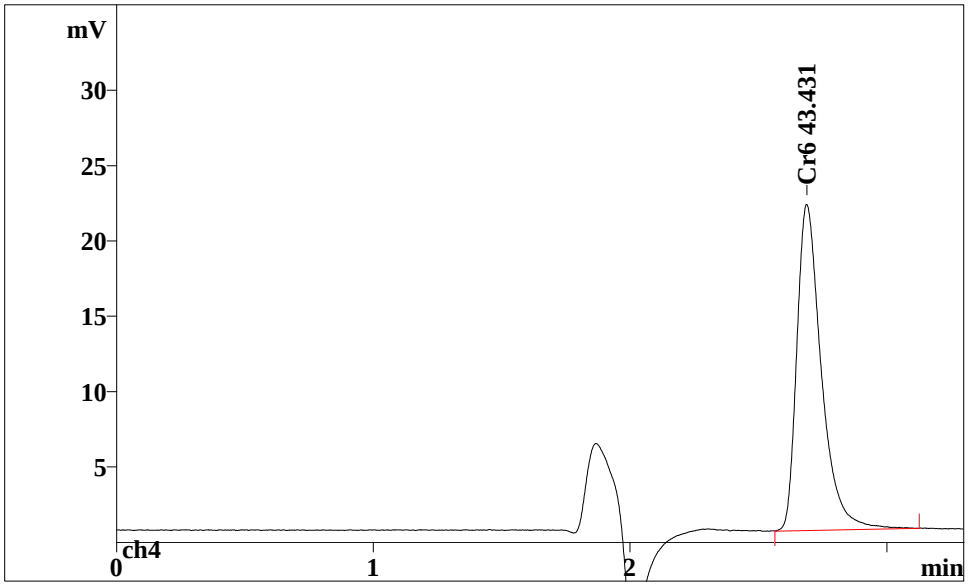
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17971

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



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.098;	21.65;	100.01;	144.281;	100.00;	0.00;	0.00;	36

Report date: 8/27/2009 12:26:50 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-26-A@10
Analysis from: 8/26/2009 11:15:47 AM
File: t8261115.chw Last save: 8/27/2009 12:24:32 PM

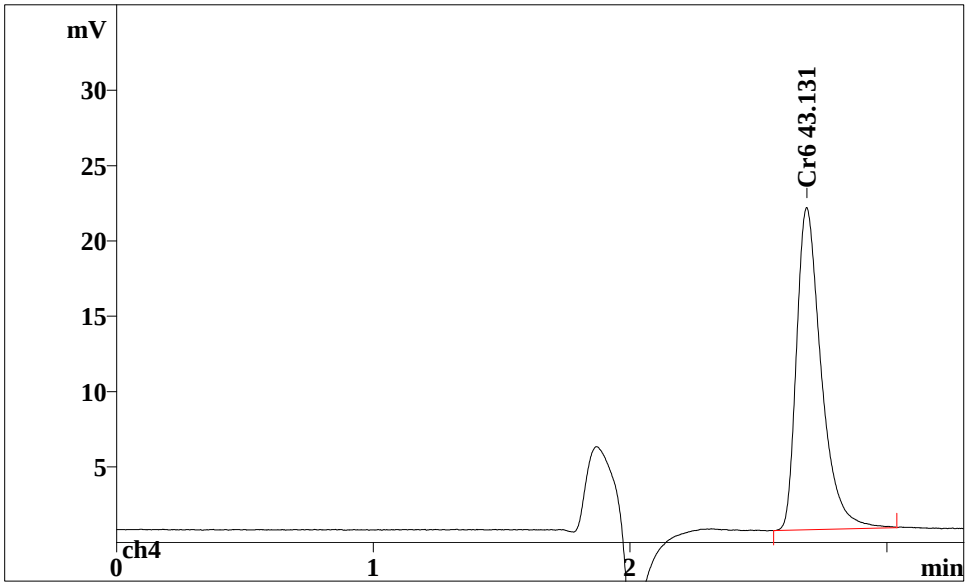
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17972

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



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.099;	21.39;	99.97;	143.279;	100.00;	0.00;	0.00;	36

Report date: 8/27/2009 12:26:54 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-27-A@10
Analysis from: 8/26/2009 11:23:05 AM
File: t8261123.chw Last save: 8/27/2009 12:24:32 PM

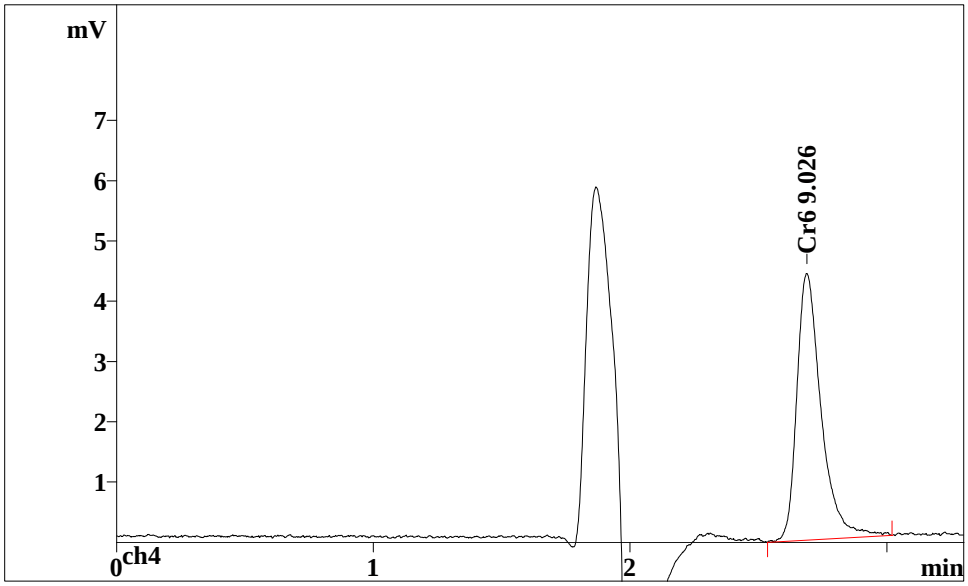
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17973

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



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.096;	4.43;	99.89;	29.233;	100.00;	0.00;	0.00;	37

Report date: 8/27/2009 12:26:57 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-27-A@10
Analysis from: 8/26/2009 11:30:49 AM
File: t8261130.chw Last save: 8/27/2009 12:24:32 PM

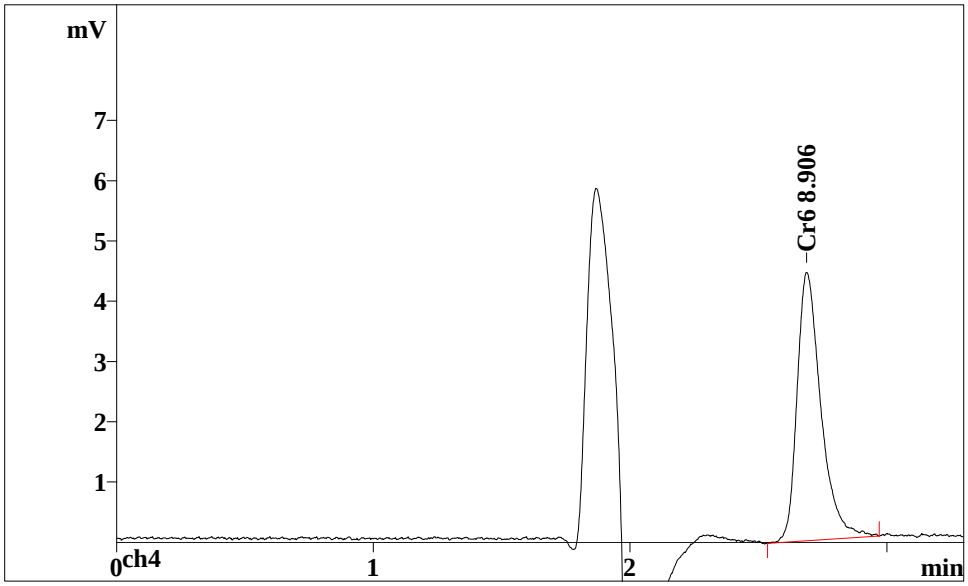
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17974

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: 6.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.095;	4.46;	99.98;	28.831;	100.00;	0.00;	0.00;	39

Report date: 8/27/2009 12:27:01 PM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 8/26/2009 11:38:08 AM
File: t8261138.chw Last save: 8/27/2009 12:24:33 PM

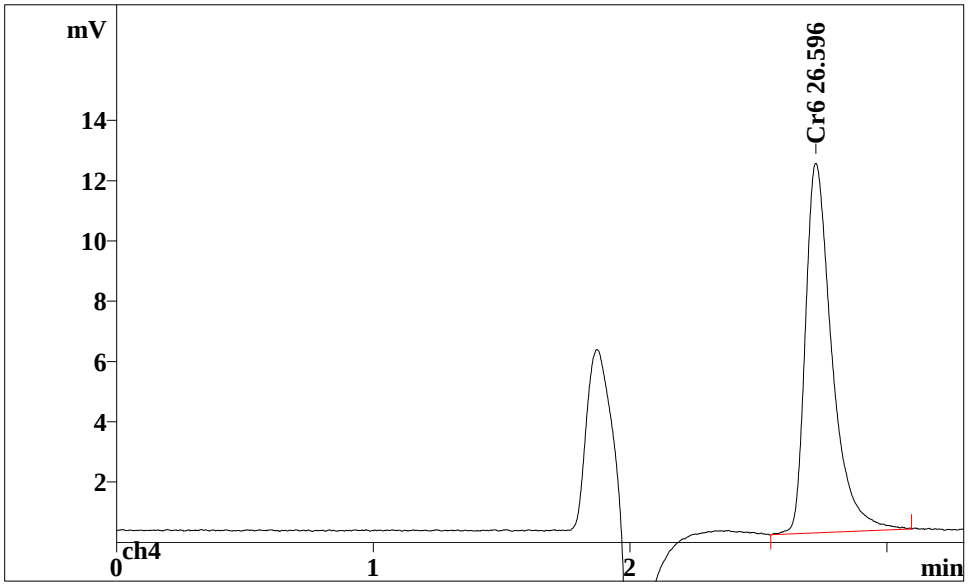
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17975

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



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.104;	12.27;	100.02;	87.986;	100.00;	0.00;	0.00;	32

Report date: 8/27/2009 12:27:05 PM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 8/26/2009 11:45:27 AM
File: t8261145.chw Last save: 8/27/2009 12:24:33 PM

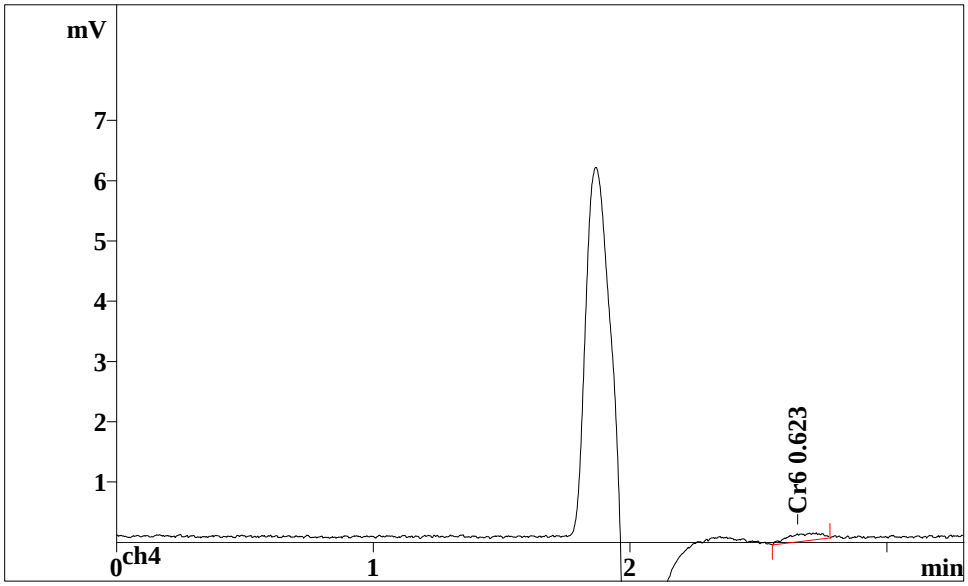
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17976

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: 6.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.66;	0.164;	0.12;	89.28;	1.132;	100.00;	0.00;	0.00;	22

Report date: 8/27/2009 12:27:09 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-28-A@10
Analysis from: 8/26/2009 11:52:46 AM
File: t8261152.chw Last save: 8/27/2009 12:24:33 PM

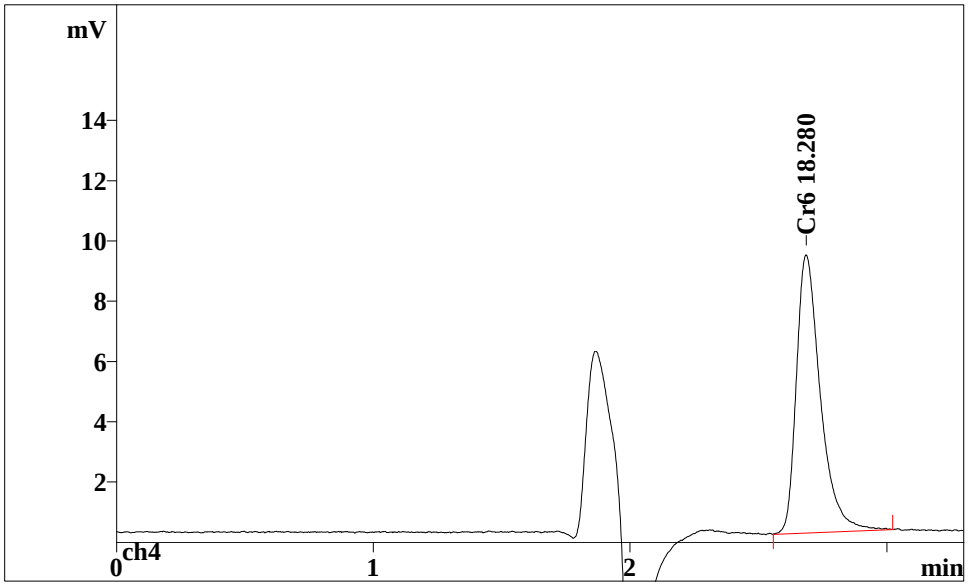
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17977

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



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.096;	9.23;	99.99;	60.177;	100.00;	0.00;	0.00;	38

Report date: 8/27/2009 12:27:12 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-28-A@10
Analysis from: 8/26/2009 12:00:05 PM
File: t8261200.chw Last save: 8/27/2009 12:24:33 PM

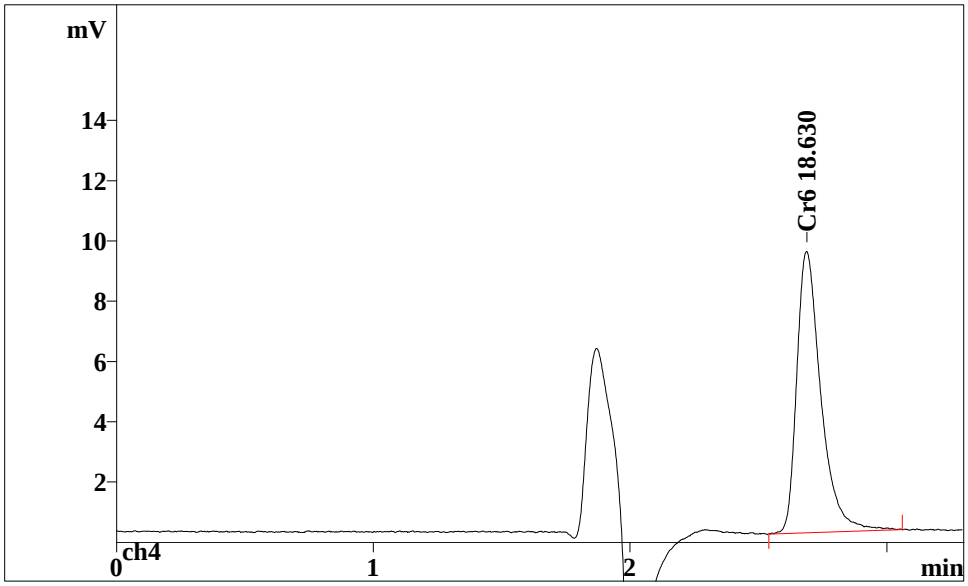
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17978

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



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.096;	9.34;	100.02;	61.349;	100.00;	0.00;	0.00;	37

Report date: 8/27/2009 12:27:15 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-29-A@10
Analysis from: 8/26/2009 12:07:23 PM
File: t8261207.chw Last save: 8/27/2009 12:24:33 PM

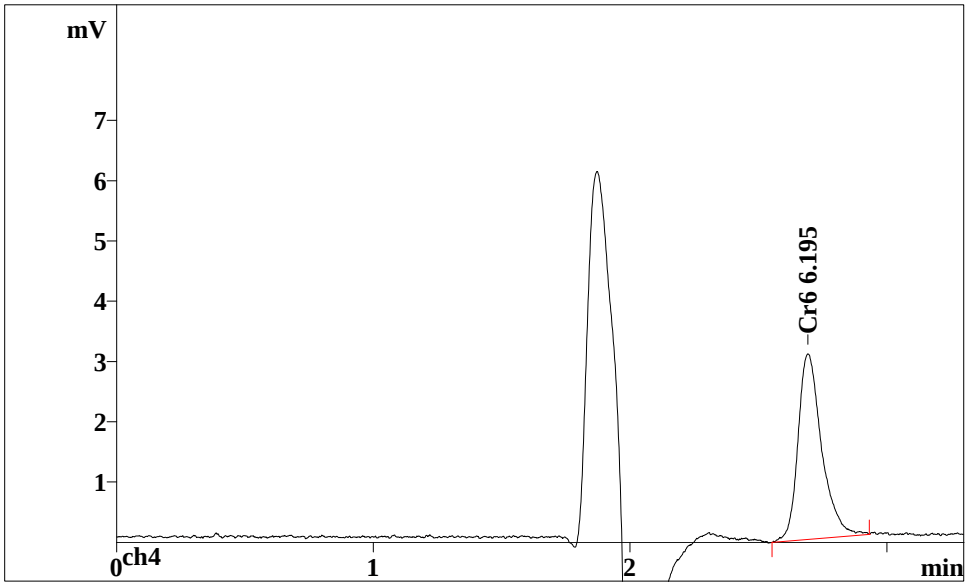
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17979

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



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.093;	3.08;	99.99;	19.765;	100.00;	0.00;	0.00;	39

Report date: 8/27/2009 12:27:18 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-29-A@10
Analysis from: 8/26/2009 12:14:42 PM
File: t8261214.chw Last save: 8/27/2009 12:24:33 PM

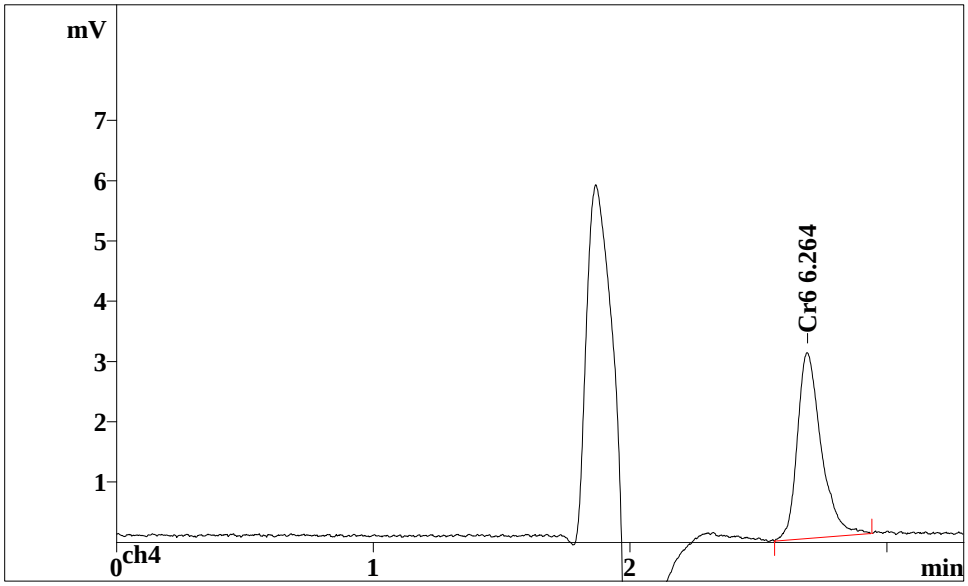
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17980

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



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.094;	3.08;	99.88;	19.996;	100.00;	0.00;	0.00;	39

Report date: 8/27/2009 12:27:21 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-30-A@10
Analysis from: 8/26/2009 12:22:01 PM
File: t8261222.chw Last save: 8/27/2009 12:24:33 PM

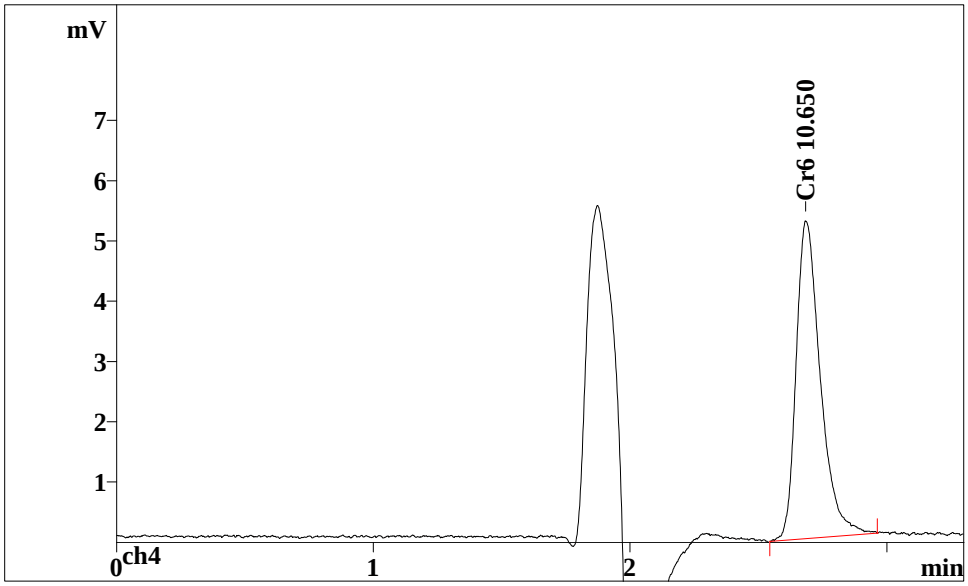
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17981

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



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.68;	0.098;	5.27;	99.93;	34.660;	100.00;	0.00;	0.00;	37

Report date: 8/27/2009 12:27:25 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-30-A@10
Analysis from: 8/26/2009 12:29:21 PM
File: t8261229.chw Last save: 8/27/2009 12:24:34 PM

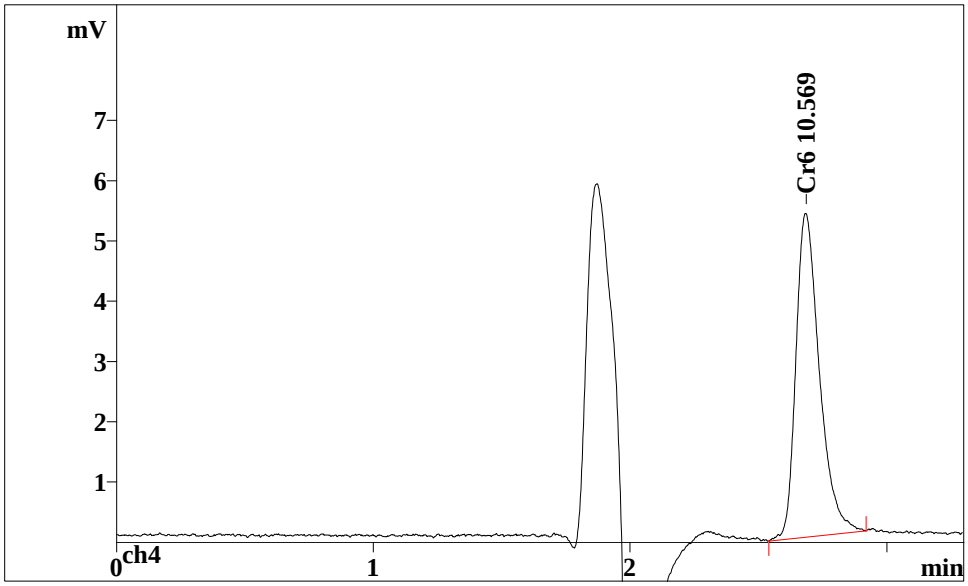
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17982

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



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.68;	0.095;	5.38;	100.08;	34.390;	100.00;	0.00;	0.00;	39

Report date: 8/27/2009 12:27:29 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-22-A@40
Analysis from: 8/26/2009 12:36:40 PM
File: t8261236.chw Last save: 8/27/2009 12:24:34 PM

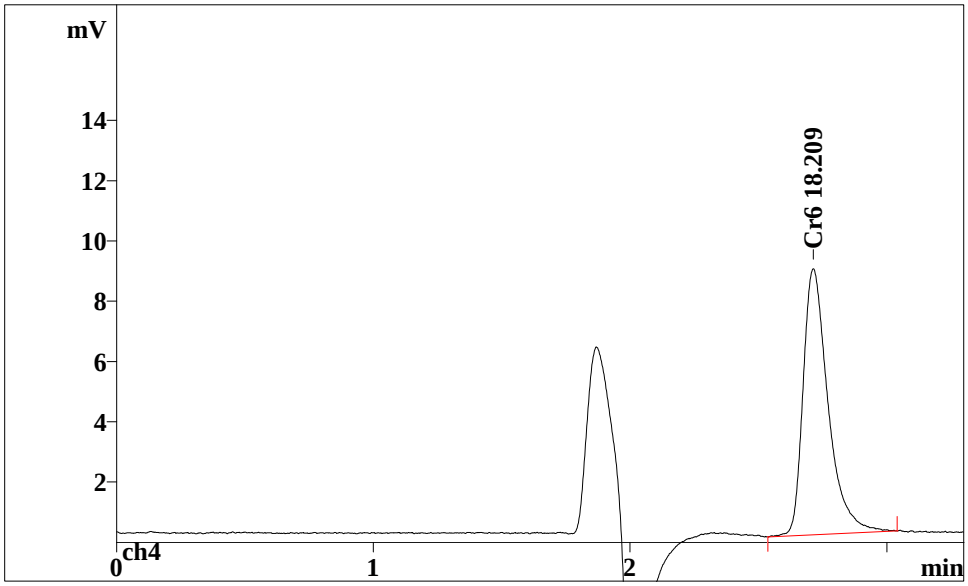
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17983

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



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.099;	8.83;	100.00;	59.940;	100.00;	0.00;	0.00;	36

Report date: 8/27/2009 12:27:33 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-22-A@40
Analysis from: 8/26/2009 12:43:58 PM
File: t8261243.chw Last save: 8/27/2009 12:24:34 PM

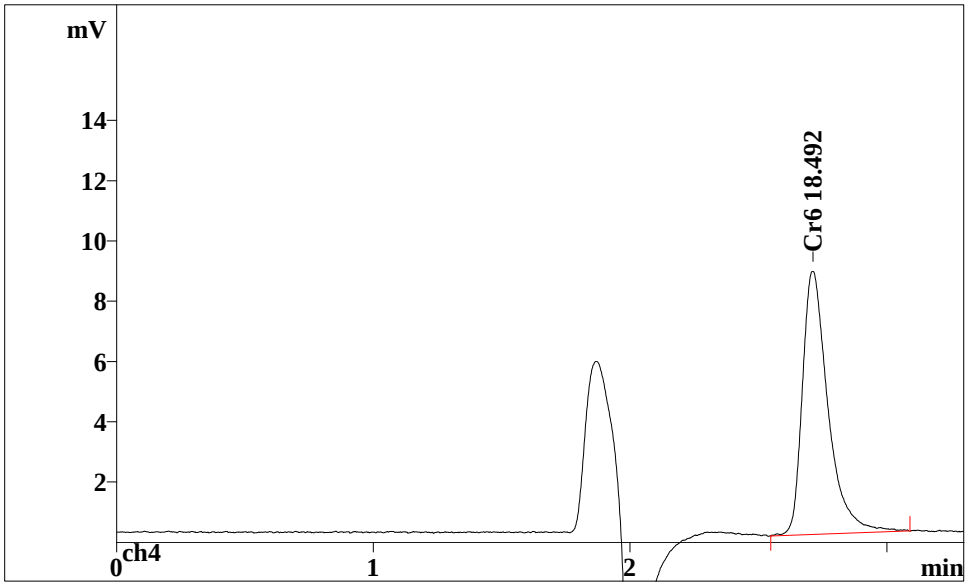
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17984

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



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.101;	8.75;	100.05;	60.885;	100.00;	0.00;	0.00;	34

Report date: 8/27/2009 12:27:37 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-24-A@20
Analysis from: 8/26/2009 12:51:16 PM
File: t8261251.chw Last save: 8/27/2009 12:24:34 PM

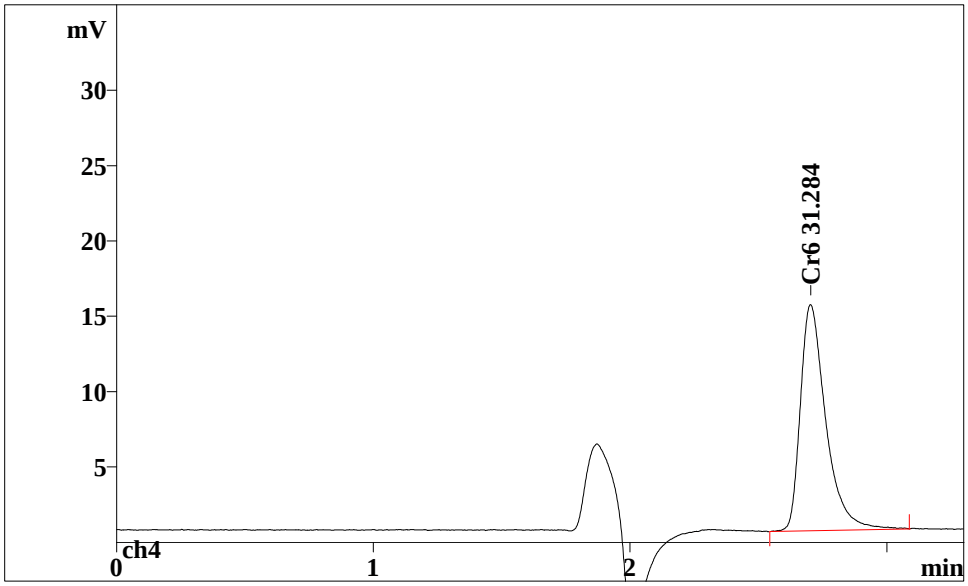
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17985

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



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.101;	15.02;	100.03;	103.662;	100.00;	0.00;	0.00;	34

Report date: 8/27/2009 12:27:40 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-24-A@20
Analysis from: 8/26/2009 12:58:34 PM
File: t8261258.chw Last save: 8/27/2009 12:24:34 PM

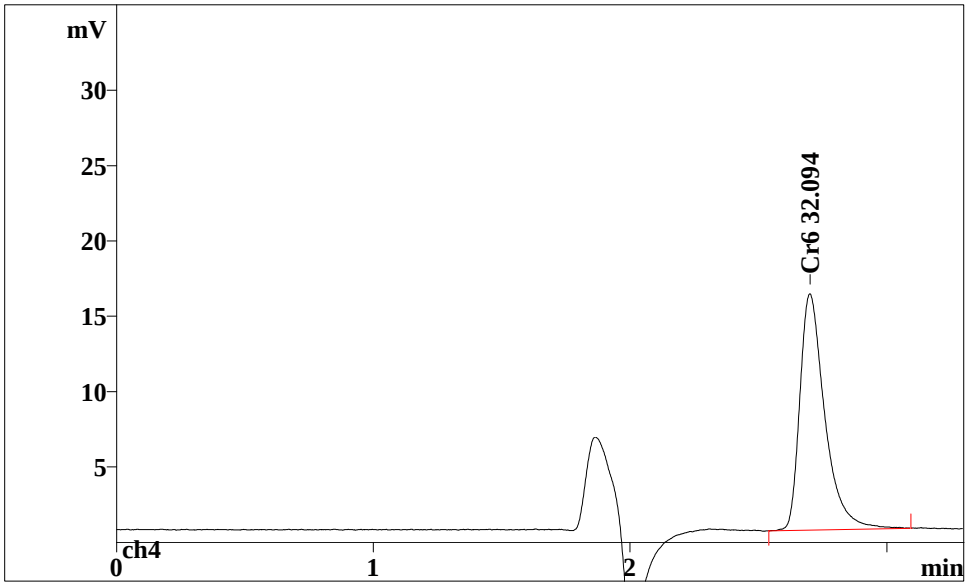
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17986

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



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.099;	15.69;	99.97;	106.372;	100.00;	0.00;	0.00;	35

Report date: 8/27/2009 12:27:44 PM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 8/26/2009 1:05:51 PM
File: t8261305.chw Last save: 8/27/2009 12:24:34 PM

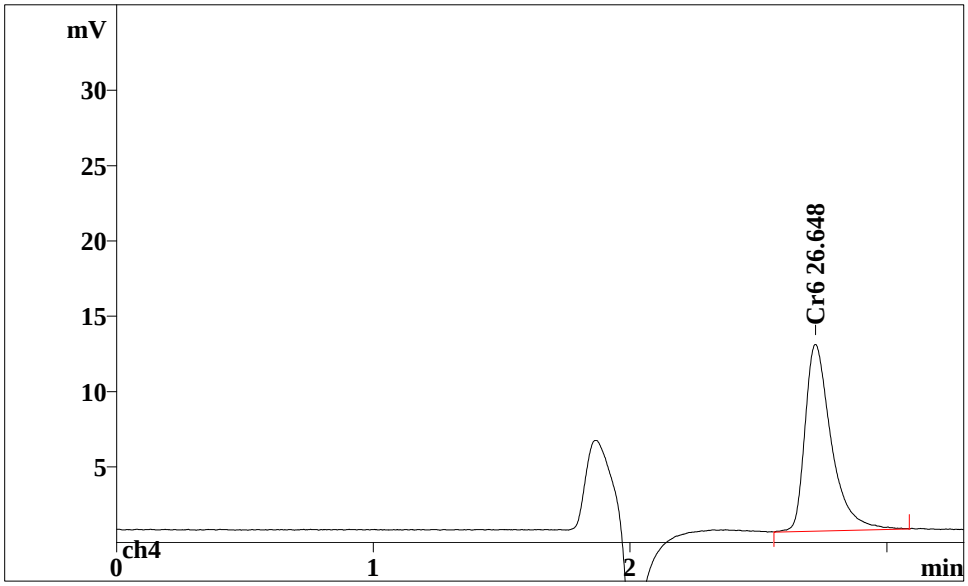
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17987

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: 6.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.103;	12.41;	99.99;	88.159;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 12:27:47 PM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 8/26/2009 1:13:07 PM
File: t8261313.chw Last save: 8/27/2009 12:24:34 PM

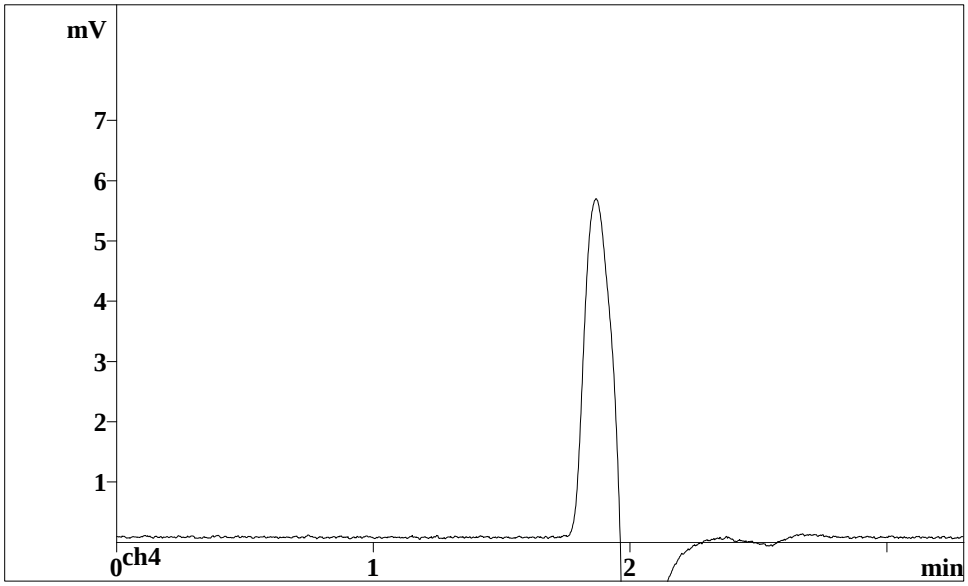
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17988

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



No peaks

Report date: 8/27/2009 12:27:53 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-21-E PDS@40
Analysis from: 8/26/2009 1:20:23 PM
File: t8261320.chw Last save: 8/27/2009 12:24:35 PM

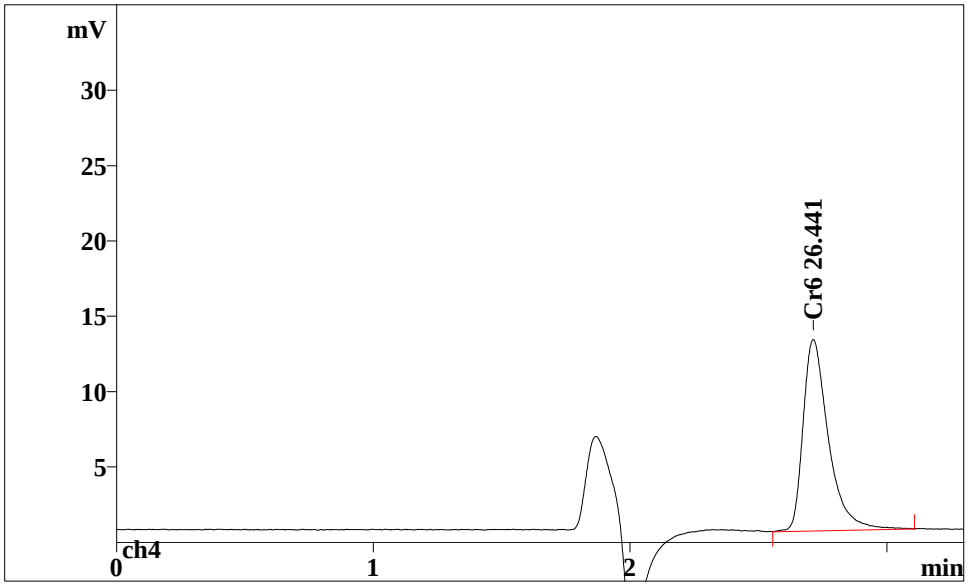
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17989

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



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.100;	12.71;	100.01;	87.469;	100.00;	0.00;	0.00;	35

Report date: 8/27/2009 12:27:56 PM
Printed by: TestAmerica - Edison

Ident: 460-4872-A-21-E PDS@40
Analysis from: 8/26/2009 1:27:38 PM
File: t8261327.chw Last save: 8/27/2009 12:24:35 PM

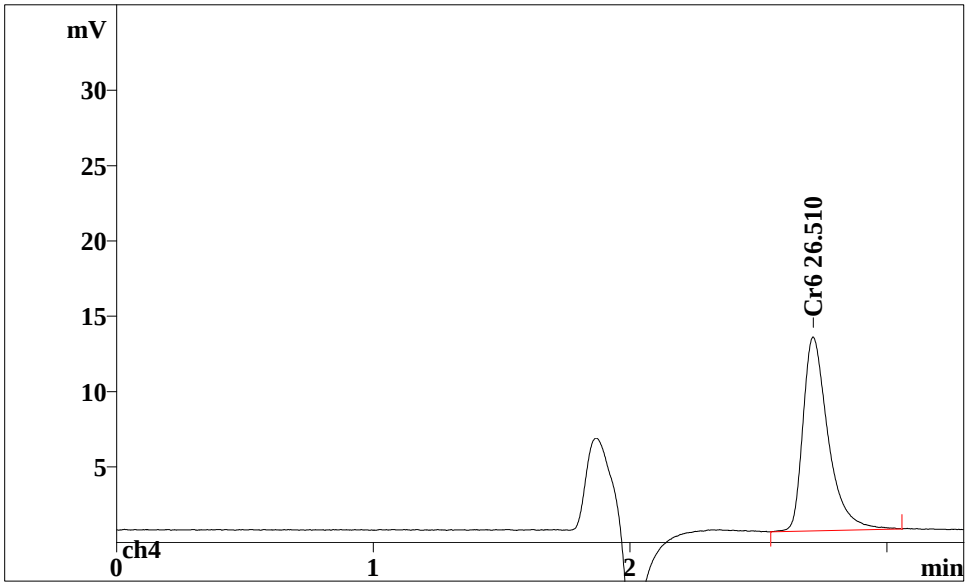
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17990

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



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.100;	12.86;	99.96;	87.698;	100.00;	0.00;	0.00;	35

Report date: 8/27/2009 12:28:00 PM
Printed by: TestAmerica - Edison

Ident: MB 460-15080/1-A@10
Analysis from: 8/26/2009 1:34:53 PM
File: t8261334.chw Last save: 8/27/2009 12:24:35 PM

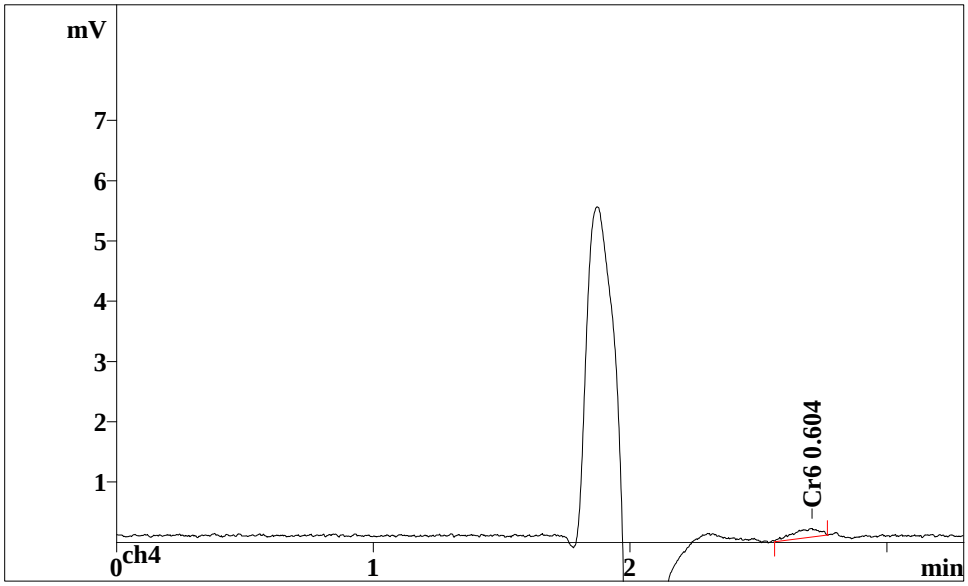
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17991

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



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.127;	0.14;	96.87;	1.068;	100.00;	0.00;	0.00;	31

Report date: 8/27/2009 12:28:04 PM
Printed by: TestAmerica - Edison

Ident: MB 460-15080/1-A@10
Analysis from: 8/26/2009 1:42:07 PM
File: t8261342.chw Last save: 8/27/2009 12:24:35 PM

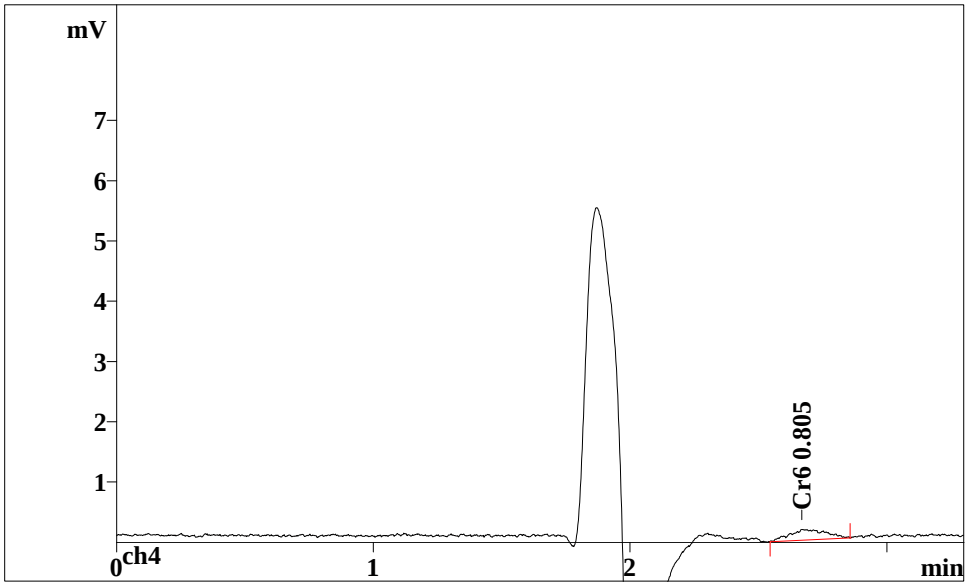
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17992

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



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.67;	0.161;	0.18;	97.80;	1.739;	100.00;	0.00;	0.00;	17

Report date: 8/27/2009 12:28:07 PM
Printed by: TestAmerica - Edison

Ident: LCS 460-15080/2-A@10
Analysis from: 8/26/2009 1:49:20 PM
File: t8261349.chw Last save: 8/27/2009 12:24:35 PM

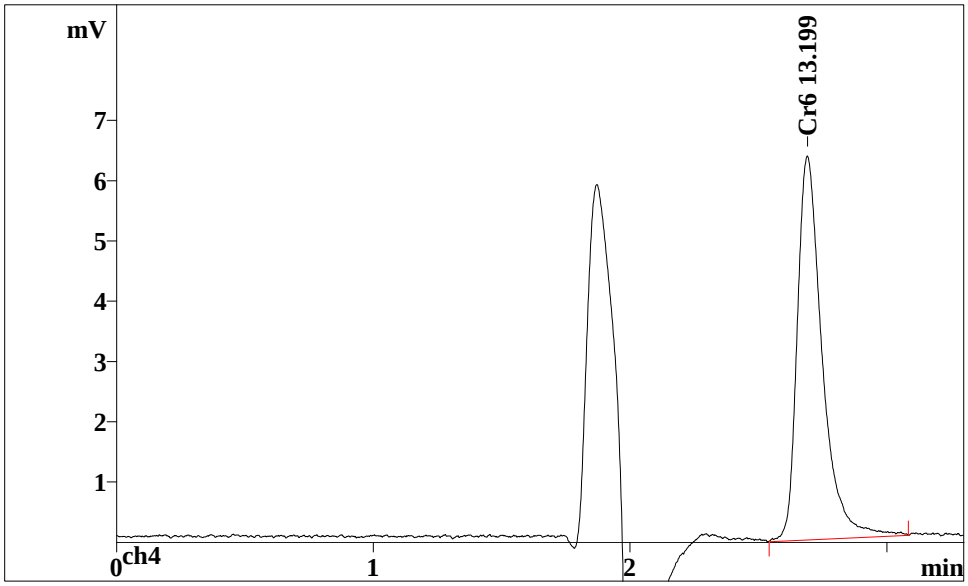
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17993

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



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.098;	6.37;	99.93;	43.184;	100.00;	0.00;	0.00;	35

Report date: 8/27/2009 12:28:21 PM
Printed by: TestAmerica - Edison

Ident: LCS 460-15080/2-A@10
Analysis from: 8/26/2009 1:56:32 PM
File: t8261356.chw Last save: 8/27/2009 12:24:35 PM

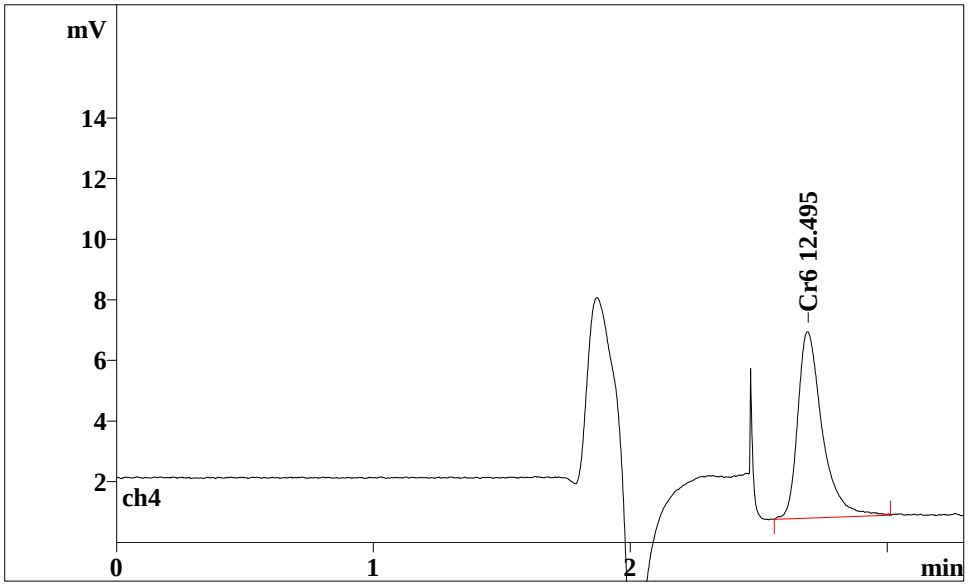
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17994

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: 6.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.095;	6.15;	100.02;	40.832;	100.00;	0.00;	0.00;	37

Report date: 8/27/2009 12:28:25 PM
Printed by: TestAmerica - Edison

Ident: LCSI 460-15080/3-A@500
Analysis from: 8/26/2009 2:03:44 PM
File: t8261403.chw Last save: 8/27/2009 12:24:35 PM

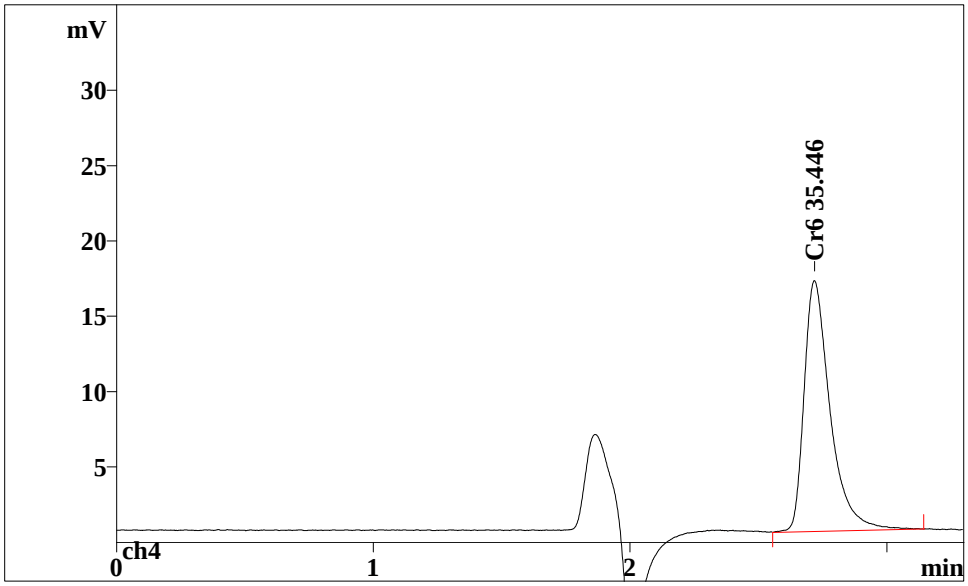
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17995

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



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.102;	16.65;	99.99;	117.579;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 12:28:27 PM
Printed by: TestAmerica - Edison

Ident: LCSI 460-15080/3-A@500
Analysis from: 8/26/2009 2:10:55 PM
File: t8261410.chw Last save: 8/27/2009 12:24:36 PM

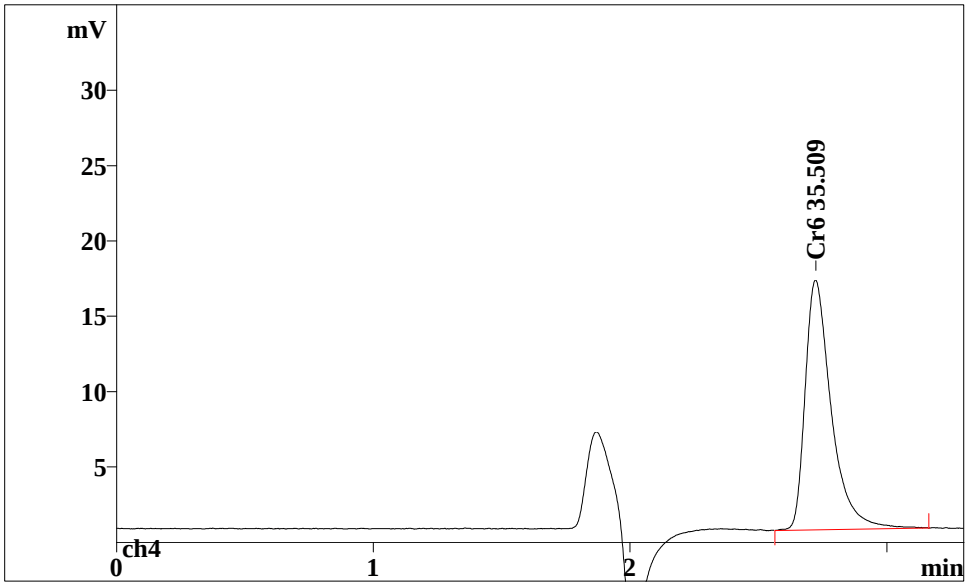
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17996

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: 6.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.103;	16.60;	100.01;	117.791;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 12:28:31 PM
Printed by: TestAmerica - Edison

Ident: 460-4810-A-2-F@10
Analysis from: 8/26/2009 2:18:06 PM
File: t8261418.chw Last save: 8/27/2009 12:24:36 PM

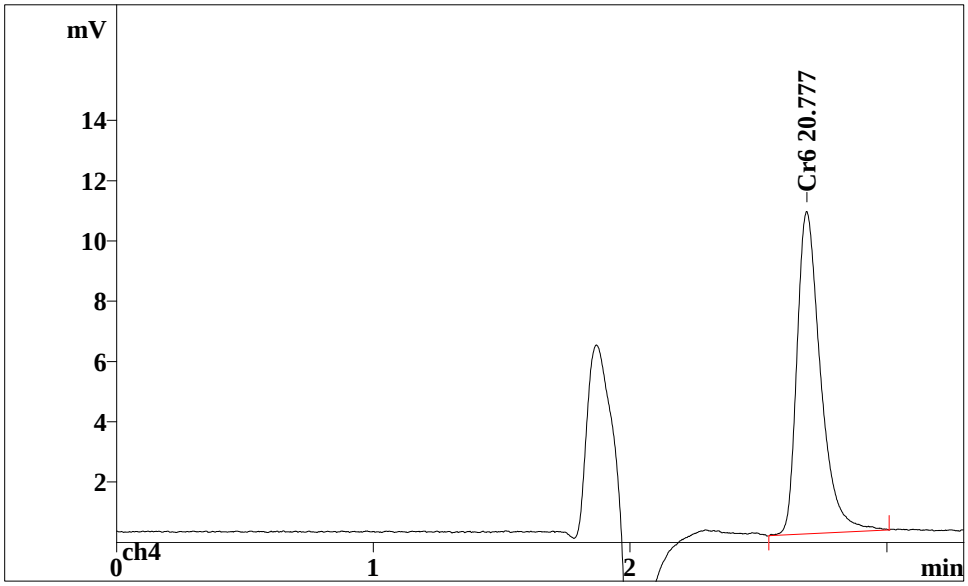
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17997

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: 6.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.095;	10.70;	99.96;	68.528;	100.00;	0.00;	0.00;	39

Report date: 8/27/2009 12:28:34 PM
Printed by: TestAmerica - Edison

Ident: 460-4810-A-2-F@10
Analysis from: 8/26/2009 2:25:16 PM
File: t8261425.chw Last save: 8/27/2009 12:24:36 PM

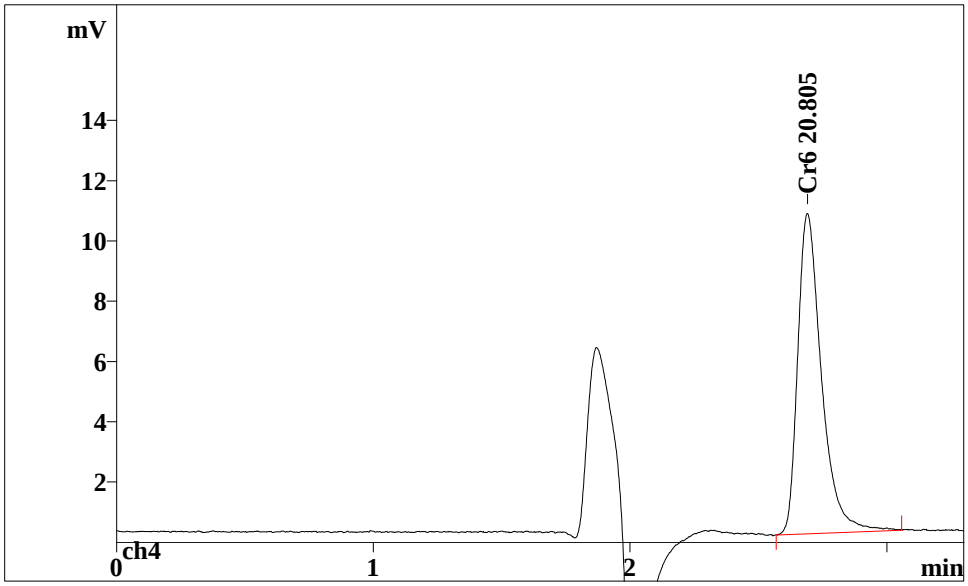
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17998

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: 6.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.095;	10.64;	100.04;	68.620;	100.00;	0.00;	0.00;	39

Report date: 8/27/2009 12:28:38 PM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 8/26/2009 2:32:25 PM
File: t8261432.chw Last save: 8/27/2009 12:24:36 PM

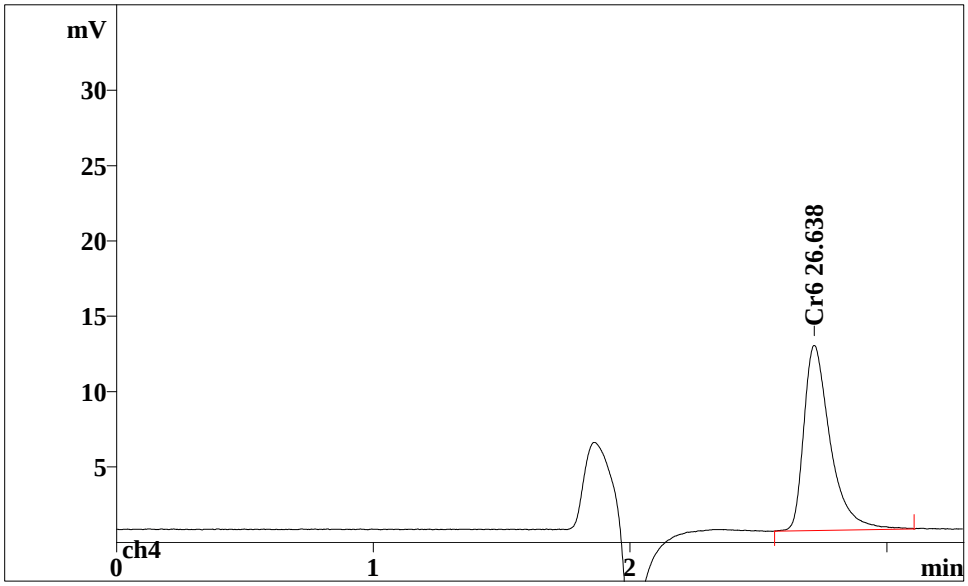
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 17999

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



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.104;	12.31;	100.01;	88.127;	100.00;	0.00;	0.00;	32

Report date: 8/27/2009 12:28:41 PM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 8/26/2009 2:39:33 PM
File: t8261439.chw Last save: 8/27/2009 12:24:36 PM

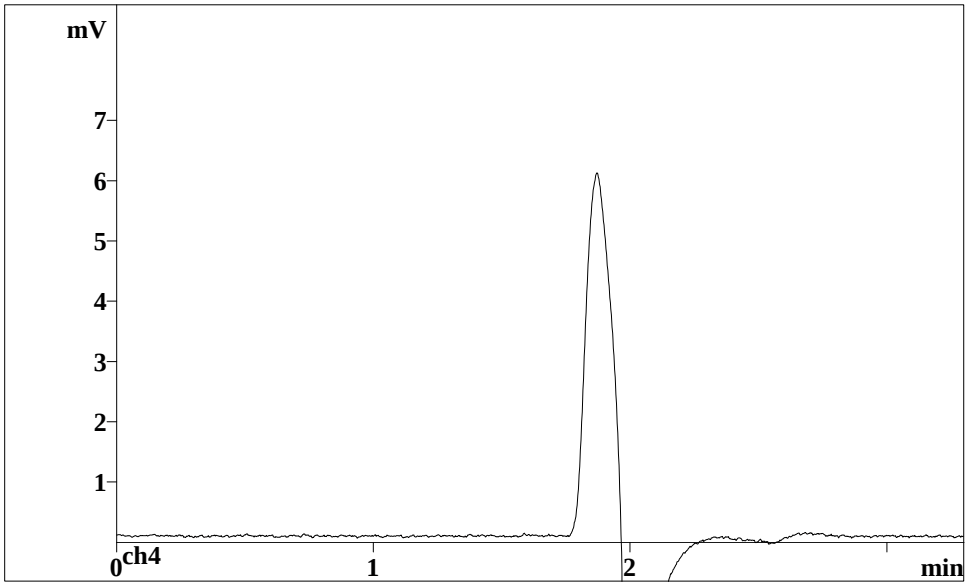
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 18000

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

Report date: 8/27/2009 12:28:45 PM
Printed by: TestAmerica - Edison

Ident: 460-4810-A-2-G DU@10
Analysis from: 8/26/2009 2:46:41 PM
File: t8261446.chw Last save: 8/27/2009 12:24:36 PM

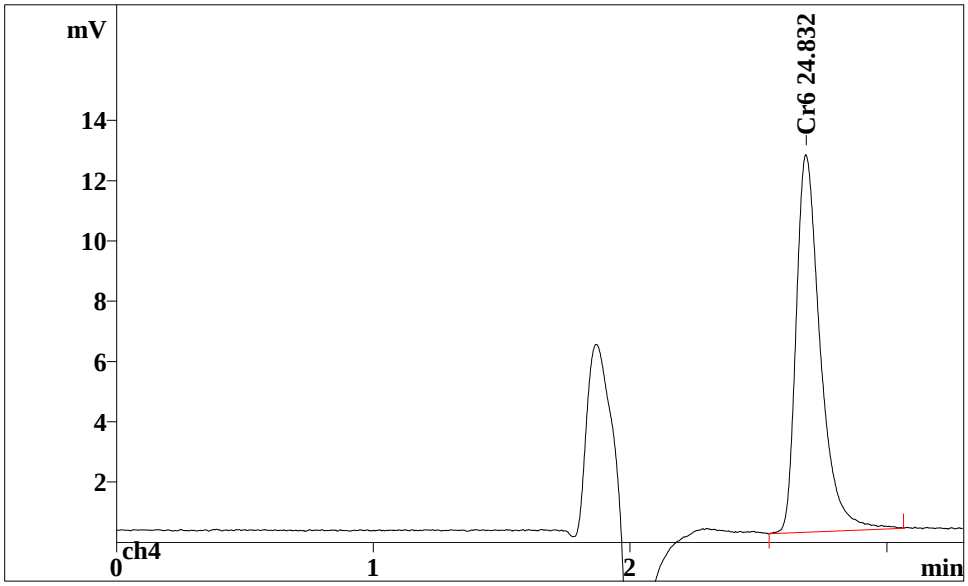
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 18001

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: 6.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.68;	0.096;	12.52;	99.95;	82.085;	100.00;	0.00;	0.00;	37

Report date: 8/27/2009 12:28:48 PM
Printed by: TestAmerica - Edison

Ident: 460-4810-A-2-G DU@10
Analysis from: 8/26/2009 2:53:51 PM
File: t8261453.chw Last save: 8/27/2009 12:24:37 PM

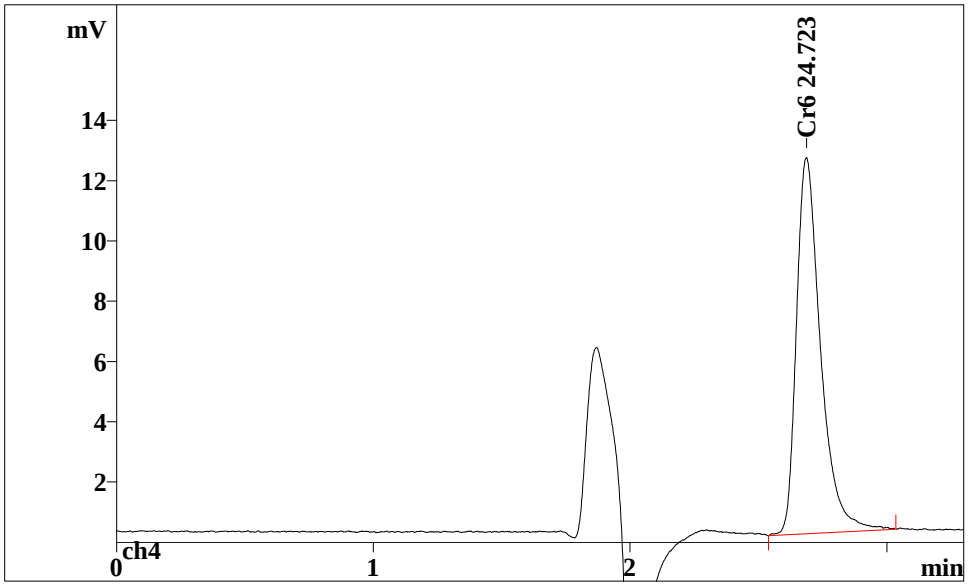
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 18002

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: 6.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.096;	12.48;	99.98;	81.722;	100.00;	0.00;	0.00;	38

Report date: 8/27/2009 12:28:51 PM
Printed by: TestAmerica - Edison

Ident: 460-4810-A-2-H MS@40
Analysis from: 8/26/2009 3:00:59 PM
File: t8261500.chw Last save: 8/27/2009 12:24:37 PM

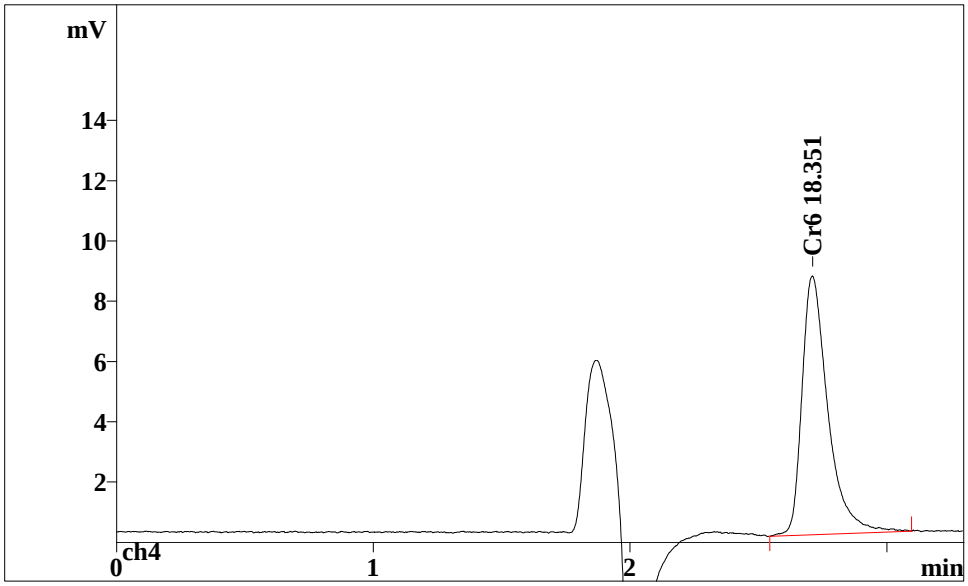
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 18003

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: 6.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.102;	8.59;	99.95;	60.413;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 12:28:54 PM
Printed by: TestAmerica - Edison

Ident: 460-4810-A-2-H MS@40
Analysis from: 8/26/2009 3:08:08 PM
File: t8261508.chw Last save: 8/27/2009 12:24:37 PM

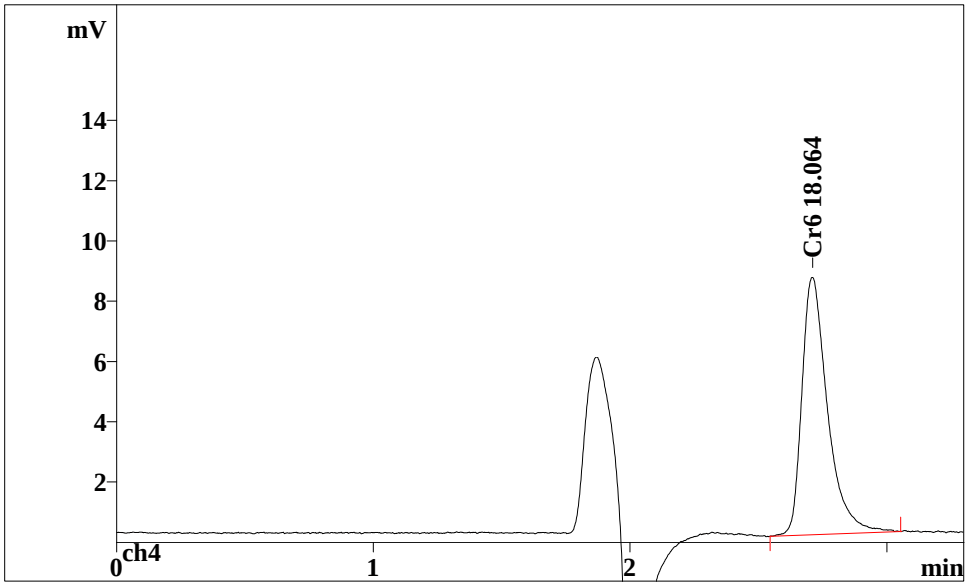
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 18004

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: 6.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.101;	8.55;	100.00;	59.454;	100.00;	0.00;	0.00;	34

Report date: 8/27/2009 12:28:58 PM
Printed by: TestAmerica - Edison

Ident: 460-4810-A-2-I MSI@500
Analysis from: 8/26/2009 3:15:18 PM
File: t8261515.chw Last save: 8/27/2009 12:24:37 PM

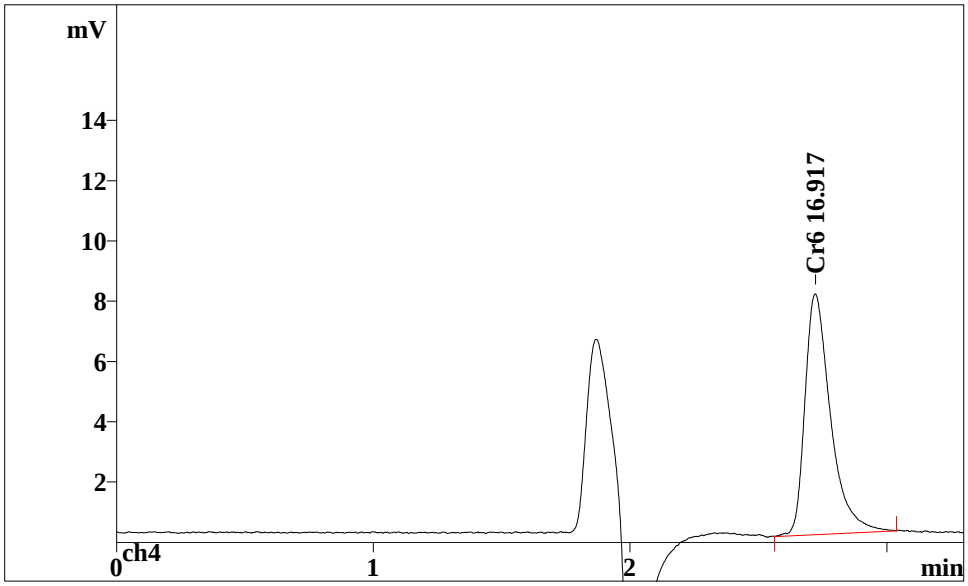
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 18005

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



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.102;	7.99;	99.97;	55.618;	100.00;	0.00;	0.00;	34

Report date: 8/27/2009 12:29:02 PM
Printed by: TestAmerica - Edison

Ident: 460-4810-A-2-I MSI@500
Analysis from: 8/26/2009 3:22:29 PM
File: t8261522.chw Last save: 8/27/2009 12:24:37 PM

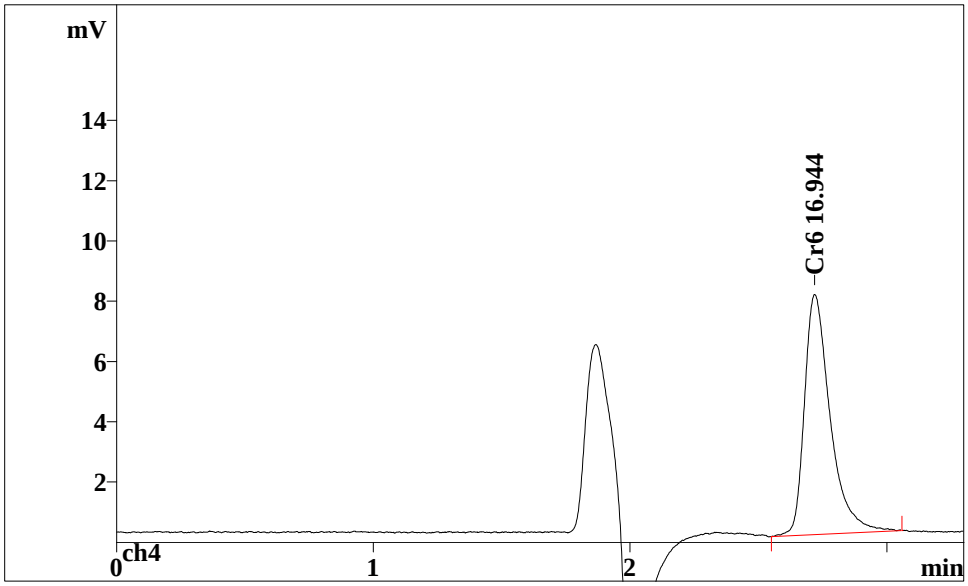
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 18006

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



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.101;	7.97;	99.95;	55.710;	100.00;	0.00;	0.00;	34

Report date: 8/27/2009 12:29:05 PM
Printed by: TestAmerica - Edison

Ident: 460-4810-A-6-B@10
Analysis from: 8/26/2009 3:29:40 PM
File: t8261529.chw Last save: 8/27/2009 12:24:38 PM

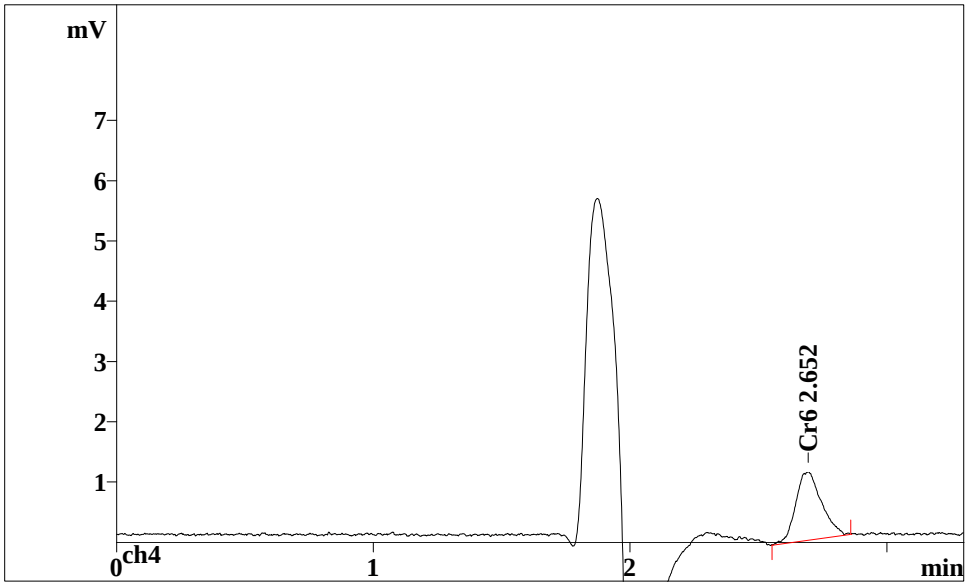
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 18007

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



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.69;	0.108;	1.13;	100.11;	7.916;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 12:29:08 PM
Printed by: TestAmerica - Edison

Ident: 460-4810-A-6-B@10
Analysis from: 8/26/2009 3:36:52 PM
File: t8261536.chw Last save: 8/27/2009 12:24:38 PM

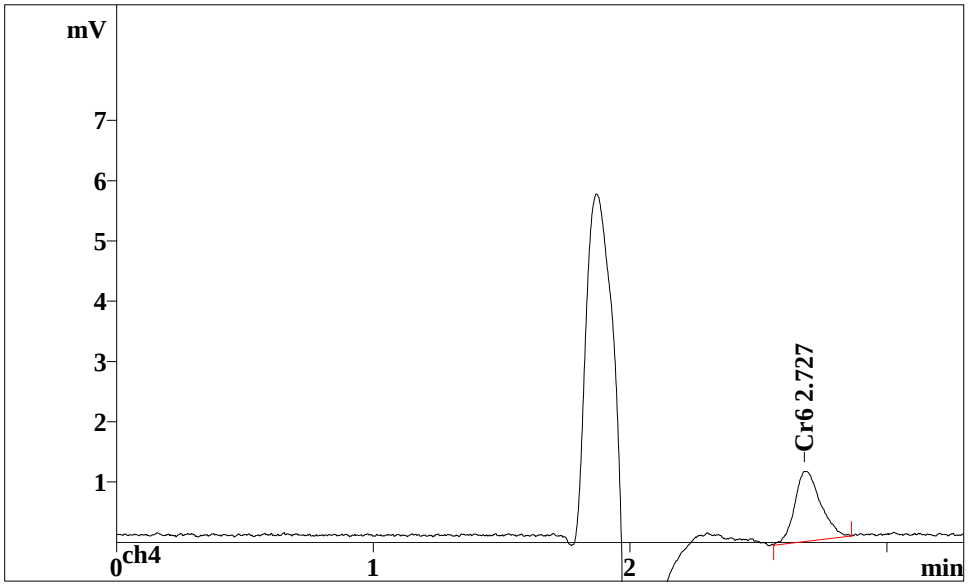
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 18008

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



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.68;	0.105;	1.16;	99.72;	8.168;	100.00;	0.00;	0.00;	33

Report date: 8/27/2009 12:29:12 PM
Printed by: TestAmerica - Edison

Ident: 460-4810-A-2-J PDS@20
Analysis from: 8/26/2009 3:44:05 PM
File: t8261544.chw Last save: 8/27/2009 12:24:38 PM

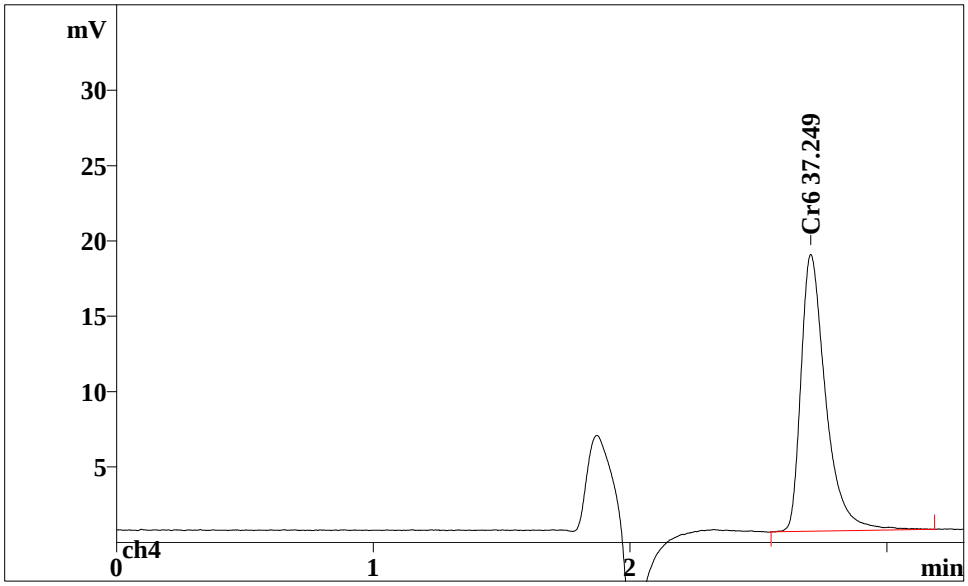
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 18009

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: 6.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.098;	18.38;	100.00;	123.608;	100.00;	0.00;	0.00;	36

Report date: 8/27/2009 12:29:14 PM
Printed by: TestAmerica - Edison

Ident: 460-4810-A-2-J PDS@20
Analysis from: 8/26/2009 3:51:18 PM
File: t8261551.chw Last save: 8/27/2009 12:24:38 PM

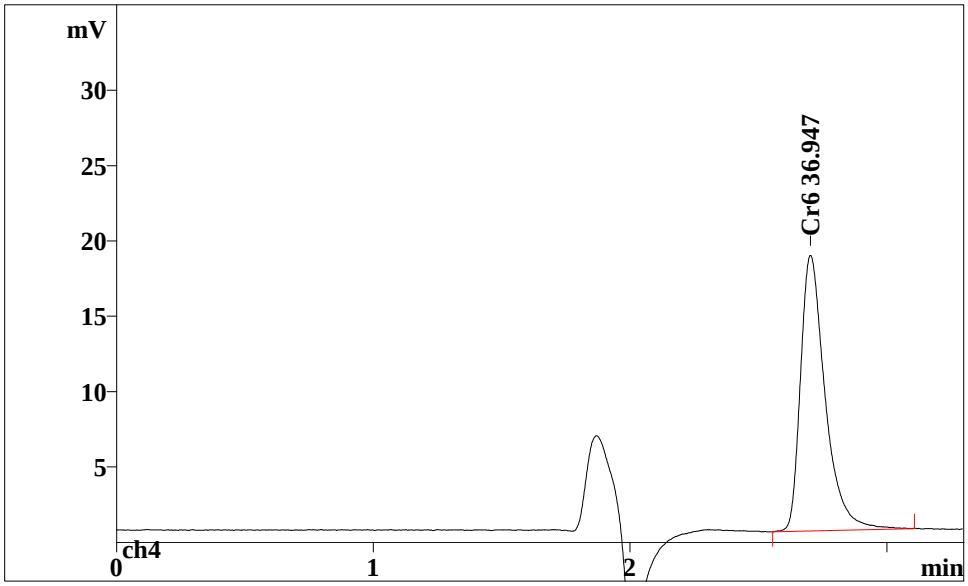
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 18010

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



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.70;	0.098;	18.32;	99.97;	122.601;	100.00;	0.00;	0.00;	36

Report date: 8/27/2009 12:29:18 PM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 8/26/2009 3:58:32 PM
File: t8261558.chw Last save: 8/27/2009 12:24:38 PM

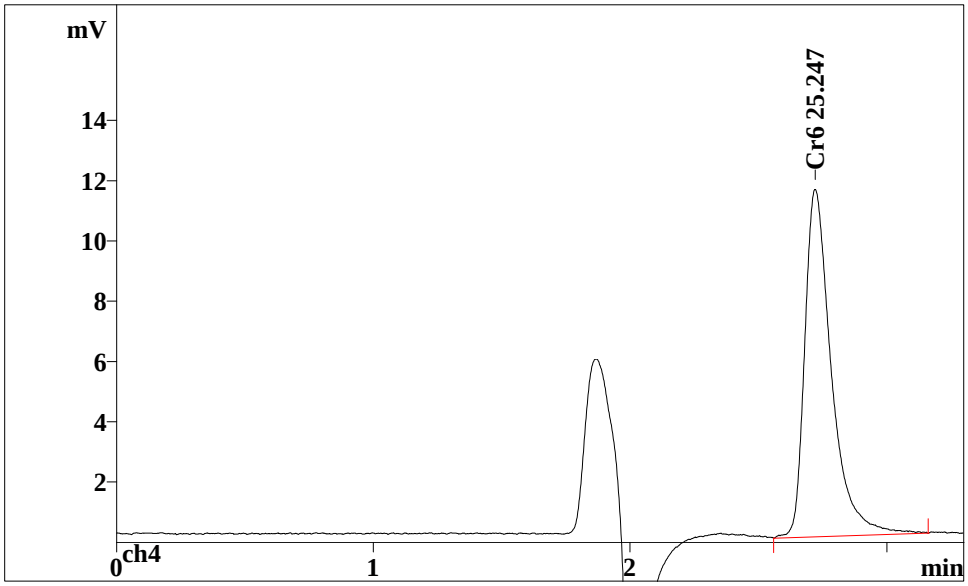
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 18011

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: 6.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.104;	11.54;	100.00;	83.476;	100.00;	0.00;	0.00;	31

Report date: 8/27/2009 12:29:21 PM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 8/26/2009 4:05:47 PM
File: t8261605.chw Last save: 8/27/2009 12:24:38 PM

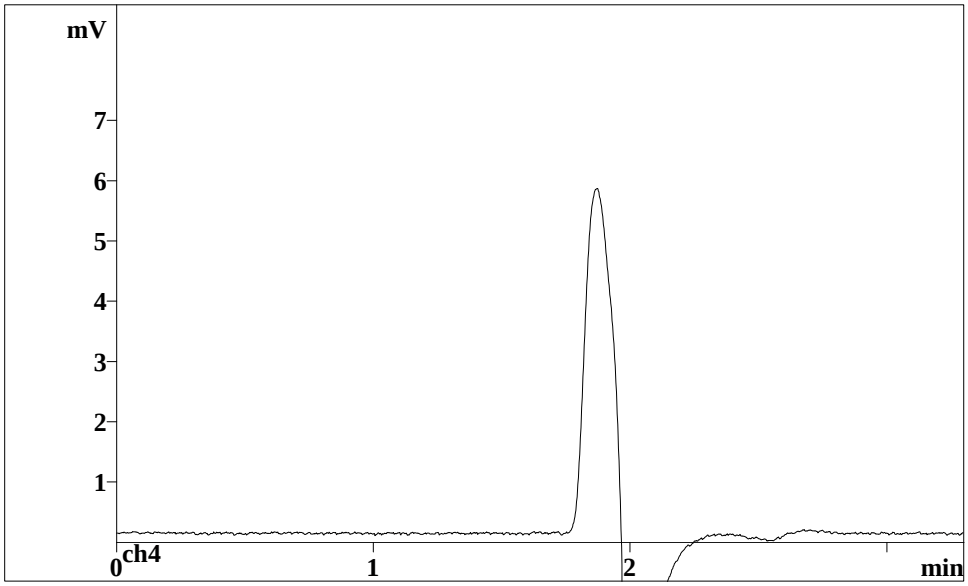
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 18012

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



No peaks

Report date: 8/27/2009 12:29:24 PM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 8/26/2009 4:47:37 PM
File: t8261647.chw Last save: 8/27/2009 12:24:38 PM

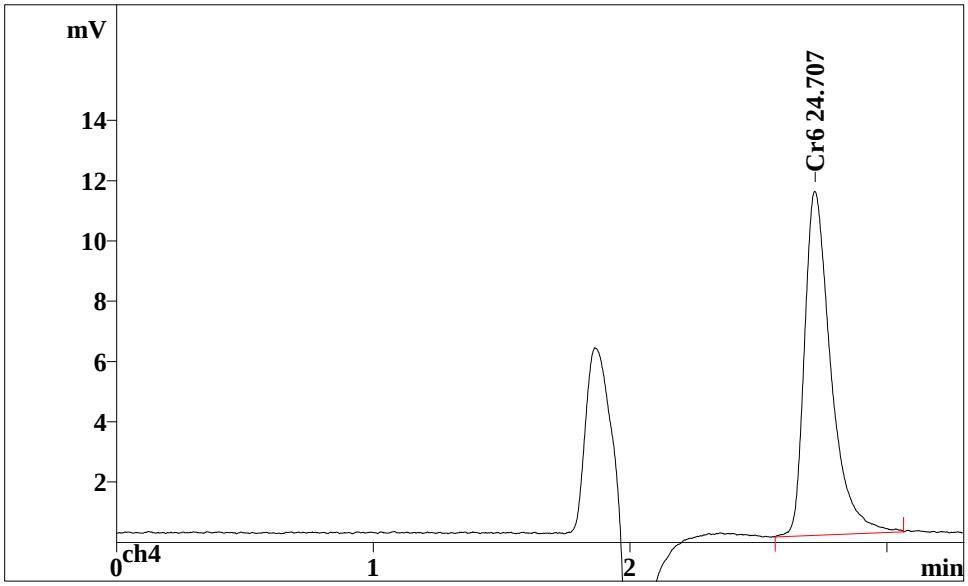
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 18014

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: 35.2°C
Pressure: 6.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.104;	11.42;	100.00;	81.667;	100.00;	0.00;	0.00;	32

Report date: 8/27/2009 12:29:28 PM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 8/26/2009 4:54:53 PM
File: t8261654.chw Last save: 8/27/2009 12:24:39 PM

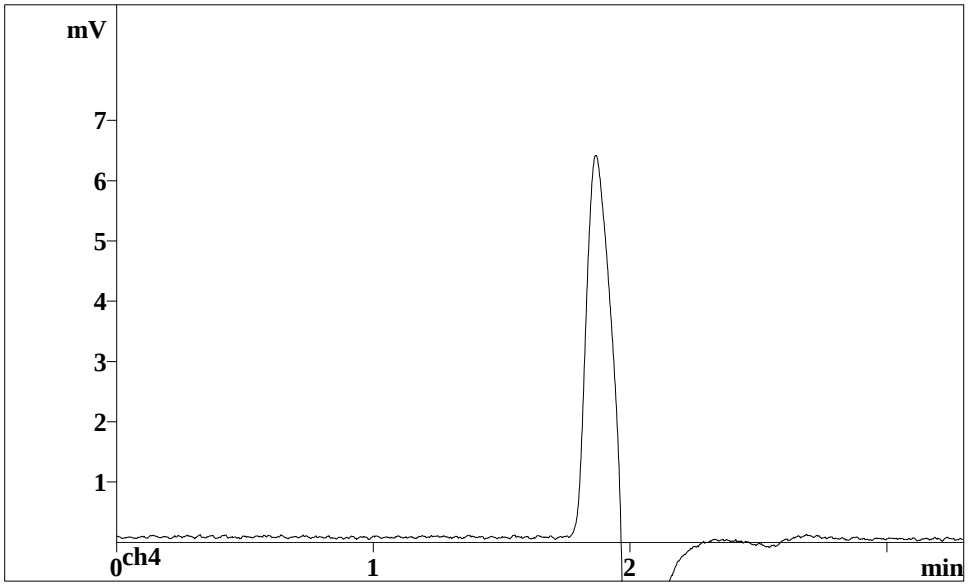
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 18015

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



No peaks

Report date: 8/27/2009 12:29:31 PM
Printed by: TestAmerica - Edison

Ident: 460-4810-A-2-J PDS@40
Analysis from: 8/26/2009 5:02:10 PM
File: t8261702.chw Last save: 8/27/2009 12:24:39 PM

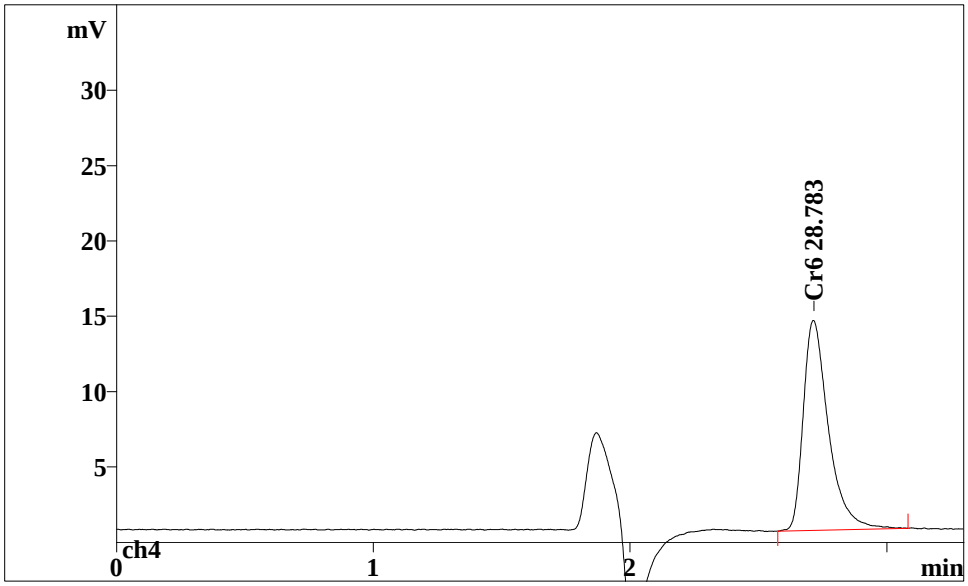
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 18016

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: 6.4 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;
1;	2.71;	0.100;	13.96;	100.02;	95.297;	100.00;	0.00;	0.00; 35

Report date: 8/27/2009 12:29:35 PM
Printed by: TestAmerica - Edison

Ident: 460-4810-A-2-J PDS@40
Analysis from: 8/26/2009 5:09:28 PM
File: t8261709.chw Last save: 8/27/2009 12:24:39 PM

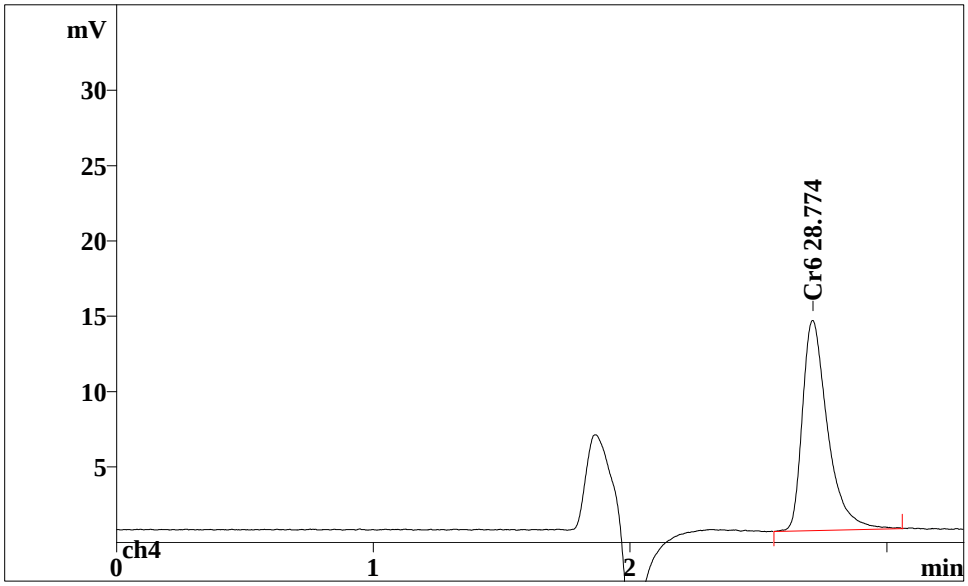
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 18017

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



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;
1;	2.71;	0.100;	13.95;	100.00;	95.267;	100.00;	0.00;	0.00; 35

Report date: 8/27/2009 12:29:39 PM
Printed by: TestAmerica - Edison

Ident: CCV
Analysis from: 8/26/2009 5:16:46 PM
File: t8261716.chw Last save: 8/27/2009 12:24:39 PM

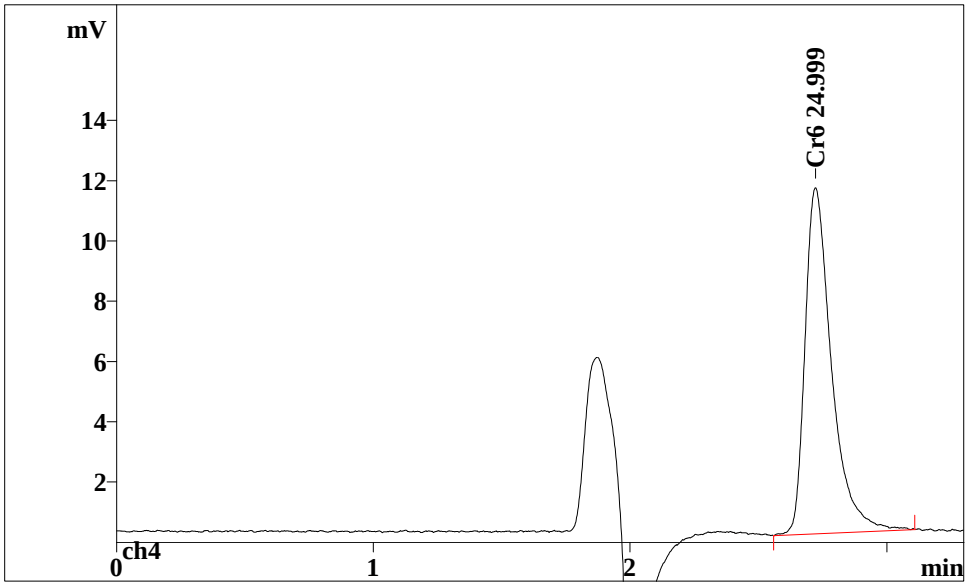
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 18018

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: 6.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.72;	0.104;	11.49;	100.04;	82.644;	100.00;	0.00;	0.00;	32

Report date: 8/27/2009 12:29:43 PM
Printed by: TestAmerica - Edison

Ident: CCB
Analysis from: 8/26/2009 5:24:05 PM
File: t8261724.chw Last save: 8/27/2009 12:24:39 PM

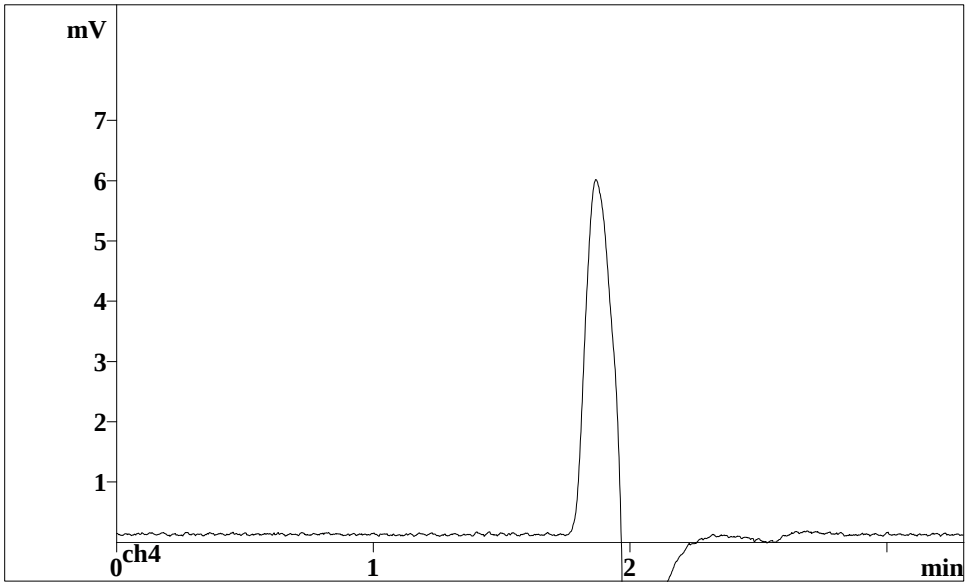
Method: stl_hexchrome_soil.mtw Last save: 8/26/2009 7:45:12
Run operator: TestAmerica - Edison
Analysis number: 18019

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



No peaks

PROJECT pH / corrosivity

Notebook No. 05718

Continued From Page

Buffer	Batch	Job	Sample	Matrix	Dil	pH1	pH2	Temp°C	Time (PM)
7.00			MB			5.80	5.81	22.8	3:40pm
4.01			LCS			5.94	5.94	22.4	3:41
10.00	15507	4872	1	Solid		5.43		21.9	3:43
			1 dup			5.39		21.8	3:44
			2			5.56		21.8	3:45
			3			5.59		21.9	3:46
			4			5.60		21.9	3:47
			5			5.93		21.9	3:48
			6			5.39		21.9	3:49
			7			5.54		21.9	3:50
			CCV			6.96	6.96	22.4	3:51
			8			6.80		22.1	3:52
			9			6.21		21.9	3:53
			10			6.77		21.9	3:54
			11			4.53		22.1	3:55
			12			5.25		22.2	3:56
			13			5.96		22.2	3:57
			14		2x	6.57		22.4	3:58
			CCV			6.96	6.96	22.6	4:00

Continued on Page

Read and Understood By

Signed [signature] Date 8/26/09 Signed Date

PROJECT pH / corrosivity

Notebook No. 05718

Continued From Page

Buffer	Batch	Job	Sample	Matrix	Dil	pH1	pH2	Temp°C	Time (pm)
7.00			MB			5.99	5.98	23.2	4:02pm
4.01			LCS			5.89	5.89	22.5	4:03
10.00	15513	4872	15	Solid		5.62		22.6	4:05
			15 dup			5.59		22.6	4:06
			16			5.33		22.6	4:07
			17			3.73		22.5	4:08
			18			~~5.43~~ 5.42		22.5	4:09
			19			5.54		22.5	4:10
			20			3.97		22.6	4:11
			21			5.95		22.6	4:12
			CCV			6.97	6.96	22.5	4:16
			21 dup			5.97		22.7	4:17
			22			4.29		23.4	4:18
			23			6.38		23.5	4:19
			24			5.45		23.3	4:20
			25			5.56		23.6	4:21
			26			5.35		23.6	4:22
			27			6.12		23.4	4:23
			28			5.96		23.2	4:24
			29			6.20		23.0	4:25
			30			5.23		22.6	4:26
			CCV			6.99	6.98	22.6	4:28

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Read and Understood By

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PROJECT pH / corrosivity

Notebook No. 05718

Continued From Page

Buffer	Batch	Job	Sample	Matrix	Dil	pH1	pH2	Temp°C	Time (PM)
7.00			MB			5.80	5.81	22.8	3:40pm
4.01			LCS			5.94	5.94	22.4	3:41
10.00	15507	4872	1	Solid		5.43		21.9	3:43
			1 dup			5.39		21.8	3:44
			2			5.56		21.8	3:45
			3			5.59		21.9	3:46
			4			5.60		21.9	3:47
			5			5.93		21.9	3:48
			6			5.39		21.9	3:49
			7			5.54		21.9	3:50
			CCV			6.96	6.96	22.4	3:51
			8			6.80		22.1	3:52
			9			6.21		21.9	3:53
			10			6.77		21.9	3:54
			11			4.53		22.1	3:55
			12			5.25		22.2	3:56
			13			5.96		22.2	3:57
			14		2x	6.57		22.4	3:58
			CCV			6.96	6.96	22.6	4:00

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Read and Understood By

Signed [signature] Date 8/26/09 Signed Date

PROJECT pH / corrosivity

Notebook No. 05718

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Buffer	Batch	Job	Sample	Matrix	Dil	pH1	pH2	Temp°C	Time (pm)
7.00			MB			5.99	5.98	23.2	4:02pm
4.01			LCS			5.89	5.89	22.5	4:03
10.00	15513	4872	15	Solid		5.62		22.6	4:05
			15 dup			5.59		22.6	4:06
			16			5.33		22.6	4:07
			17			3.73		22.5	4:08
			18			~~5.43~~ 5.42		22.5	4:09
			19			5.54		22.5	4:10
			20			3.97		22.6	4:11
			21			5.95		22.6	4:12
			CCV			6.97	6.96	22.5	4:16
			21 dup			5.97		22.7	4:17
			22			4.29		23.4	4:18
			23			6.38		23.5	4:19
			24			5.45		23.3	4:20
			25			5.56		23.6	4:21
			26			5.35		23.6	4:22
			27			6.12		23.4	4:23
			28			5.96		23.2	4:24
			29			6.20		23.0	4:25
			30			5.23		22.6	4:26
			CCV			6.99	6.98	22.6	4:28

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PROJECT REDOX / Eh

Notebook No. 05497

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BATCH	JOB	SAMPLE	MATRIX	DIL	READOUT #1	READOUT #2	READOUT	TEMP	TIME
		LIGHT SOLUTION			476	477	681	22.4°C	1:05
15417	4872	4872-1a	SOLID		361	359	563	22.6°C	1:07
		4872-1a DUP			364	361	565	22.7°C	1:09
		4872-2a			322	319	523	23.1°C	1:11
		4872-3a			340	341	545	23.0°C	1:13
		4872-4a			321	320	524	22.7°C	1:15
		4872-5a			312	311	515	22.6°C	1:17
		4872-6a			300	300	504	22.8°C	1:19
		4872-7a			305	304	508	22.6°C	1:21
		4872-8a			303	301	505	22.7°C	1:23
		CCV (LIGHT SOLN)			476	477	681	22.5°C	1:25
		4872-9a			297	295	499	22.6°C	1:27
		4872-10a			294	292	496	22.8°C	1:29
		4872-11a			321	320	524	22.6°C	1:31
		4872-12a			313	313	517	22.5°C	1:33
		4872-13a			316	314	518	22.6°C	1:35
		4872-14a			291	290	494	22.5°C	1:37
		4872-15a			401	400	604	22.6°C	1:45
		4872-15a DUP			399	398	602	22.5°C	1:47
		4872-16a			293	292	496	22.8°C	1:48
		4872-17a			324	323	527	22.9°C	1:50
		CCV (LIGHT SOLN)			474	475	679	22.8°C	1:52
		4872-18a			300	299	503	22.4°C	1:53
		4872-19a			294	294	498	22.8°C	1:55
		4872-20a			367	368	572	22.7°C	1:57
		LIGHT SOLUTION			475	476	680	22.7°C	1:59
		4872-21a			377	374	578	22.4°C	2:02
		4872-21a DUP			374	370	574	22.6°C	2:04
		4872-22a			393	393	597	22.8°C	2:06
		4872-23a			298	295	499	22.8°C	2:08
		4872-24a			304	303	508	23.1°C	2:10
		4872-25a			304	304	508	23.0°C	2:12
		CCV (LIGHT SOLN)			476	477	681	22.8°C	2:14
		4872-26a			344	342	546	22.7°C	2:16
		4872-27a			325	323	527	22.4°C	2:18

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Signed: [illegible]

Date: 8/26/09

Signed

Date

BATCH	JOB	SAMPLE	MATRIX	D/L	READOUT #1	READOUT #2	RESULT	TEMP(°C)	TIME
1547	4872	4872-28a	soil		303	301	505	22.9°C	2:20
↓	↓	4872-29a	↓		305	304	508	22.7°C	2:22
		4872-30a			324	323	527	22.9°C	2:24
		QC (LIGHT SOL'N)			474	475	679	22.6°C	2:30 PM

Because platinum redox electrode is used:
Reference solution: ORION 900011
Light solution: 475 mV ± 10 mV
Result adjusted by: + 204 mV

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CONTROL CHART METHOD: 7199

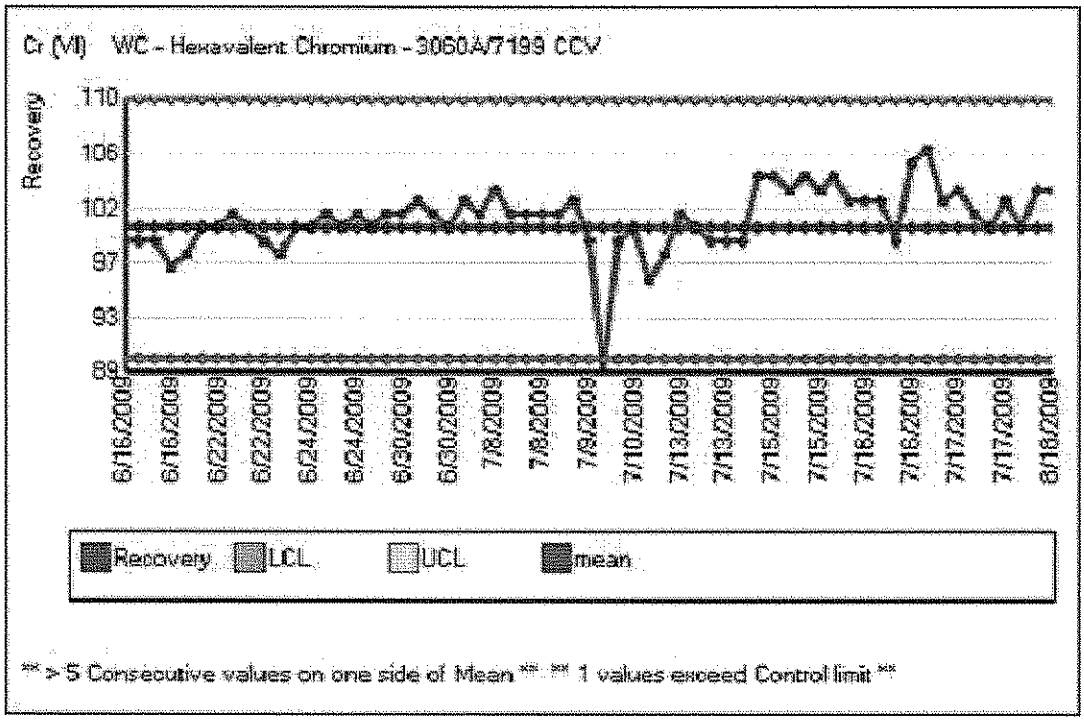
TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Limit Group WC - Hexavalent Chromium - 3060A/7199 S

Laboratory TestAmerica Edison

Cr (VI)

Analysis Dates: 6/16/2009 to 8/27/2009



Current Limits

Recovery LCL	Recovery UCL
90	110

Calculated Limits

Recovery LCL	UCL	Edit	Mean	Std Dev	Min Rec	Max Rec	Units	N
93	108	N	100.6	2.42158	89	106	%	61

Cr (VI)

Lab ID	Anal Date	Batch	Smp	Analyst	Equip	Result	Format Result	Units	Spike Amount	% Rec	Format % Rec	Exclude
CCV 460-9619/18	06/16/2009	9619	18	Earomirski, Laura	IC	24.734	24.7	ug/L	25.0	98.936	99	
CCV 460-9619/30	06/16/2009	9619	30	Earomirski, Laura	IC	24.814	24.8	ug/L	25.0	99.256	99	
CCV 460-9619/42	06/16/2009	9619	42	Earomirski, Laura	IC	24.687	24.7	ug/L	25.0	98.748	99	
CCV 460-9619/54	06/16/2009	9619	54	Earomirski, Laura	IC	24.329	24.3	ug/L	25.0	97.316	97	
CCV 460-9619/64	06/16/2009	9619	64	Earomirski, Laura	IC	24.462	24.5	ug/L	25.0	97.848	98	
CCV 460-10553/18	06/30/2009	10553	18	Earomirski, Laura	IC	25.147	25.1	ug/L	25.0	100.58	101	
CCV 460-10553/30	06/30/2009	10553	30	Earomirski, Laura	IC	25.346	25.3	ug/L	25.0	101.38	101	
CCV 460-10553/42	06/30/2009	10553	42	Earomirski, Laura	IC	25.388	25.4	ug/L	25.0	101.55	102	
CCV 460-10553/54	06/30/2009	10553	54	Earomirski, Laura	IC	25.267	25.3	ug/L	25.0	101.06	101	
CCV 460-10553/60	06/30/2009	10553	60	Earomirski, Laura	IC	25.109	25.1	ug/L	25.0	100.43	100	
CCV 460-10613/18	06/22/2009	10613	18	Earomirski, Laura	IC	25.018	25.0	ug/L	25.0	100.07	100	
CCV 460-10613/30	06/22/2009	10613	30	Earomirski, Laura	IC	24.885	24.9	ug/L	25.0	99.54	100	
CCV 460-10613/42	06/22/2009	10613	42	Earomirski, Laura	IC	25.322	25.3	ug/L	25.0	101.28	101	
CCV 460-10613/54	06/22/2009	10613	54	Earomirski, Laura	IC	24.952	25.0	ug/L	25.0	99.808	100	
CCV 460-10613/66	06/22/2009	10613	66	Earomirski, Laura	IC	24.73	24.7	ug/L	25.0	98.92	99	
CCV 460-10613/78	06/22/2009	10613	78	Earomirski, Laura	IC	24.547	24.5	ug/L	25.0	98.188	98	

CONTROL CHART METHOD: 7199

Cr (VI)

Lab ID	Anal Date	Batch	Smp	Analyst	Equip	Result	Format Result	Units	Spike Amount	% Rec	Format % Rec	Exclude
CCV 460-10668/18	06/24/2009	10668	18	Earomirski, Laura	IC	24.934	24.9	ug/L	25.0	99.736	100	
CCV 460-10668/30	06/24/2009	10668	30	Earomirski, Laura	IC	25.094	25.1	ug/L	25.0	100.37	100	
CCV 460-10668/42	06/24/2009	10668	42	Earomirski, Laura	IC	25.167	25.2	ug/L	25.0	100.66	101	
CCV 460-10668/54	06/24/2009	10668	54	Earomirski, Laura	IC	24.878	24.9	ug/L	25.0	99.512	100	
CCV 460-10668/66	06/24/2009	10668	66	Earomirski, Laura	IC	25.31	25.3	ug/L	25.0	101.24	101	
CCV 460-10668/74	06/24/2009	10668	74	Earomirski, Laura	IC	25.021	25.0	ug/L	25.0	100.08	100	
CCV 460-11239/18	07/08/2009	11239	18	Earomirski, Laura	IC	25.62	25.6	ug/L	25.0	102.48	102	
CCV 460-11239/26	07/08/2009	11239	26	Earomirski, Laura	IC	25.369	25.4	ug/L	25.0	101.47	101	
CCV 460-11239/38	07/08/2009	11239	38	Earomirski, Laura	IC	25.699	25.7	ug/L	25.0	102.79	103	
CCV 460-11239/48	07/08/2009	11239	48	Earomirski, Laura	IC	25.279	25.3	ug/L	25.0	101.11	101	
CCV 460-11239/60	07/08/2009	11239	60	Earomirski, Laura	IC	25.357	25.4	ug/L	25.0	101.42	101	
CCV 460-11239/72	07/08/2009	11239	72	Earomirski, Laura	IC	25.143	25.1	ug/L	25.0	100.57	101	
CCV 460-11239/84	07/08/2009	11239	84	Earomirski, Laura	IC	25.213	25.2	ug/L	25.0	100.85	101	
CCV 460-11239/96	07/08/2009	11239	96	Earomirski, Laura	IC	25.4	25.4	ug/L	25.0	101.6	102	
CCV 460-11239/108	07/09/2009	11239	108	Earomirski, Laura	IC	24.679	24.7	ug/L	25.0	98.716	99	
CCV 460-11239/116	07/09/2009	11239	116	Earomirski, Laura	IC	22.324	22.3	ug/L	25.0	89.296	89	
CCV 460-11552/18	07/10/2009	11552	18	Earomirski, Laura	IC	24.84	24.8	ug/L	25.0	99.36	99	
CCV 460-11552/26	07/10/2009	11552	26	Earomirski, Laura	IC	25.02	25.0	ug/L	25.0	100.08	100	
CCV 460-11552/38	07/10/2009	11552	38	Earomirski, Laura	IC	23.985	24.0	ug/L	25.0	95.94	96	
CCV 460-11552/48	07/10/2009	11552	48	Earomirski, Laura	IC	24.409	24.4	ug/L	25.0	97.636	98	
CCV 460-11597/18	07/13/2009	11597	18	Earomirski, Laura	IC	25.185	25.2	ug/L	25.0	100.74	101	
CCV 460-11597/30	07/13/2009	11597	30	Earomirski, Laura	IC	24.998	25.0	ug/L	25.0	99.992	100	
CCV 460-11597/42	07/13/2009	11597	42	Earomirski, Laura	IC	24.855	24.9	ug/L	25.0	99.42	99	
CCV 460-11597/54	07/13/2009	11597	54	Earomirski, Laura	IC	24.815	24.8	ug/L	25.0	99.26	99	
CCV 460-11597/62	07/13/2009	11597	62	Earomirski, Laura	IC	24.839	24.8	ug/L	25.0	99.356	99	
CCV 460-11832/18	07/15/2009	11832	18	Earomirski, Laura	IC	25.888	25.9	ug/L	25.0	103.55	104	
CCV 460-11832/30	07/15/2009	11832	30	Earomirski, Laura	IC	25.95	26.0	ug/L	25.0	103.8	104	
CCV 460-11832/42	07/15/2009	11832	42	Earomirski, Laura	IC	25.829	25.8	ug/L	25.0	103.31	103	
CCV 460-11832/54	07/15/2009	11832	54	Earomirski, Laura	IC	25.979	26.0	ug/L	25.0	103.91	104	
CCV 460-11832/66	07/15/2009	11832	66	Earomirski, Laura	IC	25.852	25.9	ug/L	25.0	103.40	103	
CCV 460-11832/72	07/15/2009	11832	72	Earomirski, Laura	IC	25.968	26.0	ug/L	25.0	103.87	104	
CCV 460-11926/18	07/16/2009	11926	18	Earomirski, Laura	IC	25.404	25.4	ug/L	25.0	101.61	102	
CCV 460-11926/30	07/16/2009	11926	30	Earomirski, Laura	IC	25.428	25.4	ug/L	25.0	101.71	102	
CCV 460-11926/34	07/16/2009	11926	34	Earomirski, Laura	IC	25.465	25.5	ug/L	25.0	101.86	102	
CCV 460-11926/46	07/16/2009	11926	46	Earomirski, Laura	IC	24.767	24.8	ug/L	25.0	99.068	99	
CCV 460-11929/18	07/16/2009	11929	18	Earomirski, Laura	IC	26.246	26.2	ug/L	25.0	104.98	105	
CCV 460-11929/30	07/16/2009	11929	30	Earomirski, Laura	IC	26.513	26.5	ug/L	25.0	106.05	106	
CCV 460-12075/18	07/17/2009	12075	18	Earomirski, Laura	IC	25.51	25.5	ug/L	25.0	102.04	102	
CCV 460-12075/26	07/17/2009	12075	26	Earomirski, Laura	IC	25.63	25.6	ug/L	25.0	102.52	103	
CCV 460-12075/30	07/17/2009	12075	30	Earomirski, Laura	IC	25.272	25.3	ug/L	25.0	101.08	101	
CCV 460-12075/34	07/17/2009	12075	34	Earomirski, Laura	IC	25.023	25.0	ug/L	25.0	100.09	100	
CCV 460-12076/18	07/17/2009	12076	18	Earomirski, Laura	IC	25.517	25.5	ug/L	25.0	102.06	102	
CCV 460-12076/30	07/17/2009	12076	30	Earomirski, Laura	IC	25.085	25.1	ug/L	25.0	100.34	100	
CCV 460-15280/18	08/18/2009	15280	18	Earomirski, Laura	IC	25.707	25.7	ug/L	25.0	102.82	103	
CCV 460-15280/28	08/18/2009	15280	28	Earomirski, Laura	IC	25.745	25.7	ug/L	25.0	102.98	103	

CONTROL CHART METHOD: 7199

Data marked Exclude= Yes was not used in Calculations - the data point was either an outlier or excluded for another reason. Limits marked Edit = Y were edited; Reason should be noted just below Edit column

CONTROL CHART METHOD: 7199

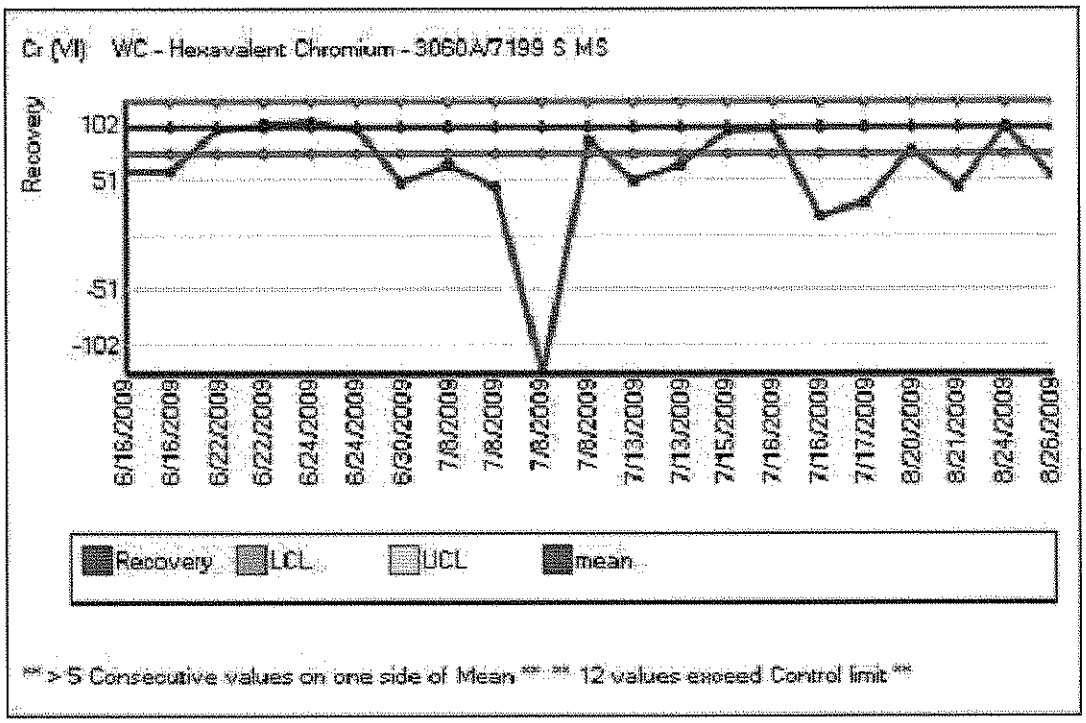
TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Limit Group WC - Hexavalent Chromium - 3060A/7199 S

Laboratory TestAmerica Edison

Cr (VI)

Analysis Dates: 1/28/2009 to 8/28/2009



Current Limits

Recovery LCL	Recovery UCL
75	125

Calculated Limits

Recovery LCL	UCL	Edit	Mean	Std Dev	Min Rec	Max Rec	Units	N
-94	212	N	58.97	50.9055	-131	104	%	21

Cr (VI)

Lab ID	Anal Date	Batch	Smp	Analyst	Equip	Result	Format Result	Units	Spike Amount	% Rec	Format % Rec	Exclude
460-2369-A-1-C MS	06/16/2009	9619	20	Earomirski, Laura	IC	37.9288	37.93	mg/Kg	67.1212	56.508	57	
460-2369-A-1-C MS	06/16/2009	9619	61	Earomirski, Laura	IC	38.3101	38.31	mg/Kg	67.1212	57.076	57	
460-2369-A-1-L MS	06/30/2009	10553	21	Earomirski, Laura	IC	30.7898	30.79	mg/Kg	67.1212	45.872	46	
460-2714-A-6-C MS	06/22/2009	10613	21	Earomirski, Laura	IC	225.154	225.2	mg/Kg	54.7075	95.881	96	
460-2714-A-6-D MS	06/22/2009	10613	22	Earomirski, Laura	IC	729.388	729.4	mg/Kg	547.075	101.75	102	
460-2714-A-28-E MS	06/24/2009	10668	21	Earomirski, Laura	IC	546.459	546.5	mg/Kg	49.3573	103.65	104	
460-2714-A-28-F MS	06/24/2009	10668	22	Earomirski, Laura	IC	972.734	972.7	mg/Kg	493.573	96.730	97	
460-2747-A-17-D MS	07/08/2009	11239	21	Earomirski, Laura	IC	39.9593	39.96	mg/Kg	62.9201	63.508	64	
460-3359-A-1-D MS	07/08/2009	11239	41	Earomirski, Laura	IC	80.3015	80.30	mg/Kg	190.0	42.263	42	
460-2714-A-28-J MS	07/08/2009	11239	62	Earomirski, Laura	IC	510.700	510.7	mg/Kg	49.3573	-131.0	-131	
460-2714-A-28-K MS	07/08/2009	11239	64	Earomirski, Laura	IC	1000.47	1000	mg/Kg	493.573	86.121	86	
460-3359-A-1-J MS	07/13/2009	11597	34	Earomirski, Laura	IC	91.4127	91.41	mg/Kg	190.0	48.111	48	
460-2747-A-17-H MS	07/13/2009	11597	52	Earomirski, Laura	IC	40.0599	40.06	mg/Kg	62.9201	63.668	64	
460-2747-A-29-H MS	07/15/2009	11832	21	Earomirski, Laura	IC	172.345	172.3	mg/Kg	54.9868	94.286	94	
220-9607-B-4-C MS	07/16/2009	11926	20	Earomirski, Laura	IC	46.1456	46.15	mg/Kg	44.95	96.497	97	
460-3798-A-1-F MS	07/16/2009	11929	21	Earomirski, Laura	IC	11.1895	11.19	mg/Kg	49.8378	16.452	16	

CONTROL CHART METHOD: 7199

Cr (VI)

Lab ID	Anal Date	Batch	Smp	Analyst	Equip	Result	Format Result	Units	Spike Amount	% Rec	Format % Rec	Exclude
460-3798-A-1-K MS	07/17/2009	12076	21	Earomirski, Laura	IC	17.2199	17.22	mg/Kg	49.8378	28.552	29	
460-4872-A-1-B MS	08/20/2009	15061	17	Parillo, Jasmine	IC	60.0769	60.08	mg/Kg	41.9191	77.618	78	
460-4810-A-2-B MS	08/21/2009	15061	82	Parillo, Jasmine	IC	83.7273	83.73	mg/Kg	118.5	42.428	42	
460-4872-A-21-B MS	08/24/2009	15125	27	Earomirski, Laura	IC	45.1854	45.19	mg/Kg	41.3483	99.993	100	
460-4810-A-2-H MS	08/26/2009	15374	46	Earomirski, Laura	IC	86.9837	86.98	mg/Kg	118.5	52.602	53	

CONTROL CHART METHOD: 7199

Data marked Exclude= Yes was not used in Calculations - the data point was either an outlier or excluded for another reason. Limits marked Edit = Y were edited; Reason should be noted just below Edit column

CONTROL CHART METHOD: 7199

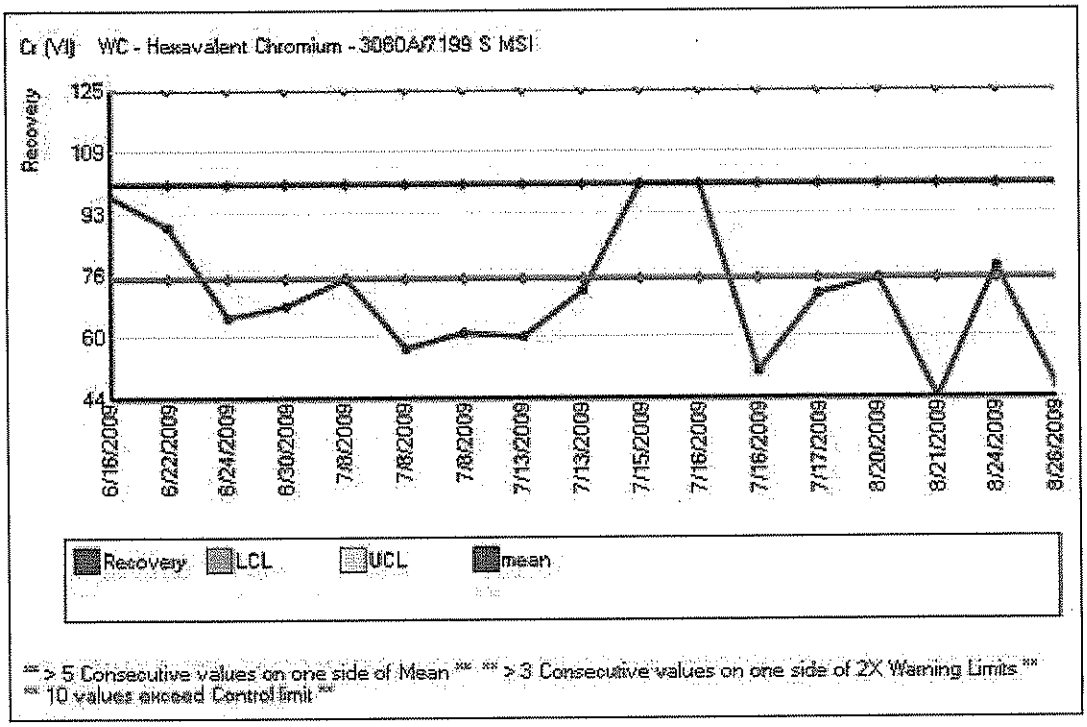
TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Limit Group WC - Hexavalent Chromium - 3060A/7199 S

Laboratory TestAmerica Edison

Cr (VI)

Analysis Dates: 1/28/2009 to 8/28/2009



Current Limits

Recovery

LCL	UCL
75	125

Calculated Limits

Recovery

LCL	UCL	Edit	Mean	Std Dev	Min Rec	Max Rec	Units	N
18	125	N	71.17	17.8118	44	100	%	17

Cr (VI)

Lab ID	Anal Date	Batch	Smp	Analyst	Equip	Result	Format Result	Units	Spike Amount	% Rec	Format % Rec	Exclude
460-2369-A-1-E MSI	06/16/2009	9619	22	Earomirski, Laura	IC	1155.42	1155	mg/Kg	1187.97	97.259	97	
460-2369-A-1-M MSI	06/30/2009	10553	23	Earomirski, Laura	IC	806.830	806.8	mg/Kg	1187.97	67.916	68	
460-2714-A-6-E MSI	06/22/2009	10613	24	Earomirski, Laura	IC	1039.27	1039	mg/Kg	968.268	89.497	89	
460-2714-A-28-G MSI	06/24/2009	10668	25	Earomirski, Laura	IC	1060.93	1061	mg/Kg	873.575	64.749	65	
460-2747-A-17-E MSI	07/08/2009	11239	23	Earomirski, Laura	IC	839.165	839.2	mg/Kg	1113.62	75.354	75	
460-3359-A-1-E MSI	07/08/2009	11239	43	Earomirski, Laura	IC	1912.44	1912	mg/Kg	3362.81	56.870	57	
460-2714-A-28-L MSI	07/08/2009	11239	66	Earomirski, Laura	IC	1104.02	1104	mg/Kg	873.575	60.512	61	
460-3359-A-1-K MSI	07/13/2009	11597	37	Earomirski, Laura	IC	2002.12	2002	mg/Kg	3362.81	59.537	60	
460-2747-A-17-I MSI	07/13/2009	11597	56	Earomirski, Laura	IC	805.408	805.4	mg/Kg	1113.62	72.323	72	
460-2747-A-29-I MSI	07/15/2009	11832	23	Earomirski, Laura	IC	1094.75	1095	mg/Kg	973.211	100.10	100	
220-9607-B-4-D MSI	07/16/2009	11926	23	Earomirski, Laura	IC	801.885	801.9	mg/Kg	795.570	100.44	100	
460-3798-A-1-G MSI	07/16/2009	11929	23	Earomirski, Laura	IC	451.879	451.9	mg/Kg	882.079	50.889	51	
460-3798-A-1-L MSI	07/17/2009	12076	23	Earomirski, Laura	IC	629.177	629.2	mg/Kg	882.079	70.989	71	
460-4872-A-1-C MSI	08/20/2009	15061	20	Parillo, Jasmine	IC	583.703	583.7	mg/Kg	741.927	74.961	75	
460-4810-A-2-C MSI	08/21/2009	15061	84	Parillo, Jasmine	IC	946.103	946.1	mg/Kg	2097.33	43.515	44	
460-4872-A-21-C MSI	08/24/2009	15125	29	Earomirski, Laura	IC	577.222	577.2	mg/Kg	731.823	78.341	78	

CONTROL CHART METHOD: 7199

Cr (VI)

Lab ID	Anal Date	Batch	Smp	Analyst	Equip	Result	Format Result	Units	Spike Amount	% Rec	Format % Rec	Exclude
460-4810-A-2-I MSI	08/26/2009	15374	49	Earomirski, Laura	IC	1003.93	1004	mg/Kg	2097.33	46.691	47	

CONTROL CHART METHOD: 7199

Data marked Exclude= Yes was not used in Calculations - the data point was either an outlier or excluded for another reason. Limits marked Edit = Y were edited; Reason should be noted just below Edit column

CONTROL CHART METHOD: 7199

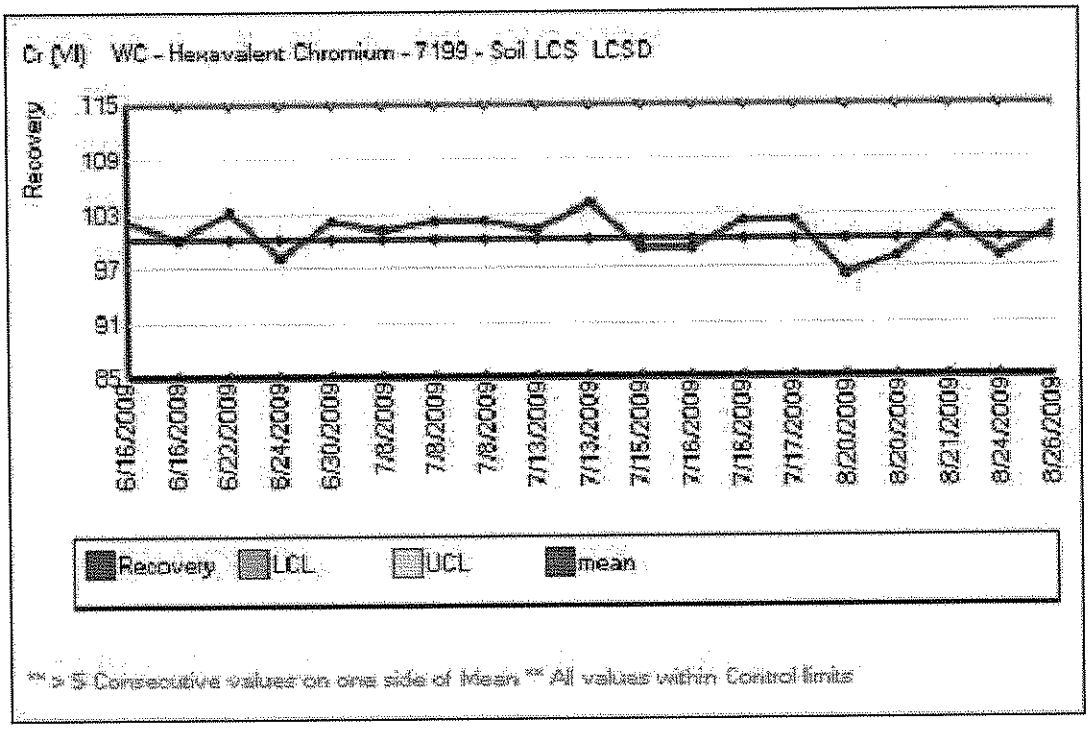
TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Limit Group WC - Hexavalent Chromium - 3060A/7199 S

Laboratory TestAmerica Edison

Cr (VI)

Analysis Dates: 5/28/2009 to 8/28/2009



Current Limits

Recovery

LCL	UCL
85	115

Calculated Limits

Recovery

LCL	UCL	Edit	Mean	Std Dev	Min Rec	Max Rec	Units	N
94	107	N	100.6	2.04809	96	104	%	19

Cr (VI)

Lab ID	Anal Date	Batch	Smp	Analyst	Equip	Result	Format Result	Units	Spike Amount	% Rec	Format % Rec	Exclude
LCS 460-8954/2-A ^10	06/16/2009	9619	58	Earomirski, Laura	IC	5.3376	5.34	mg/Kg	5.24	101.86	102	
LCS 460-8954/2-A ^10	06/16/2009	9619	59	Earomirski, Laura	IC	5.2504	5.25	mg/Kg	5.24	100.19	100	
LCS 460-10125/2-A	06/30/2009	10553	10	Earomirski, Laura	IC	5.338	5.34	mg/Kg	5.24	101.87	102	
LCS 460-9506/2-A ^10	06/22/2009	10613	11	Earomirski, Laura	IC	5.4192	5.42	mg/Kg	5.24	103.41	103	
LCS 460-9883/2-A ^10	06/24/2009	10668	11	Earomirski, Laura	IC	5.1476	5.15	mg/Kg	5.24	98.236	98	
LCS 460-10550/2-A	07/08/2009	11239	10	Earomirski, Laura	IC	5.316	5.32	mg/Kg	5.24	101.45	101	
LCS 460-10950/2-A	07/08/2009	11239	31	Earomirski, Laura	IC	5.37	5.37	mg/Kg	5.24	102.48	102	
LCS 460-10952/2-A	07/08/2009	11239	53	Earomirski, Laura	IC	5.344	5.34	mg/Kg	5.24	101.98	102	
LCS 460-11310/2-A	07/13/2009	11597	25	Earomirski, Laura	IC	5.3	5.30	mg/Kg	5.24	101.14	101	
LCS 460-11309/2-A	07/13/2009	11597	45	Earomirski, Laura	IC	5.4248	5.42	mg/Kg	5.24	103.52	104	
LCS 460-11427/2-A	07/15/2009	11832	11	Earomirski, Laura	IC	5.1704	5.17	mg/Kg	5.24	98.671	99	
LCS 460-11770/2-A	07/16/2009	11926	11	Earomirski, Laura	IC	5.194	5.19	mg/Kg	5.24	99.122	99	
LCS 460-11885/2-A	07/16/2009	11929	11	Earomirski, Laura	IC	5.3352	5.34	mg/Kg	5.24	101.81	102	
LCS 460-11959/2-A	07/17/2009	12076	11	Earomirski, Laura	IC	5.3436	5.34	mg/Kg	5.24	101.97	102	
LCS 460-14799/2-A	08/20/2009	15061	10	Parillo, Jasmine	IC	5.0452	5.05	mg/Kg	5.24	96.282	96	
LCS 460-14799/2-A	08/20/2009	15061	11	Parillo, Jasmine	IC	5.1356	5.14	mg/Kg	5.24	98.007	98	

CONTROL CHART METHOD: 7199

Cr (VI)

Lab ID	Anal Date	Batch	Smp	Analyst	Equip	Result	Format Result	Units	Spike Amount	% Rec	Format % Rec	Exclude
LCS 460-14810/2-A	08/21/2009	15061	76	Parillo, Jasmine	IC	5.3376	5.34	mg/Kg	5.24	101.86	102	
LCS 460-14913/2-A	08/24/2009	15125	20	Earomirski, Laura	IC	5.1292	5.13	mg/Kg	5.24	97.885	98	
LCS 460-15080/2-A	08/26/2009	15374	36	Earomirski, Laura	IC	5.2796	5.28	mg/Kg	5.24	100.75	101	

CONTROL CHART METHOD: 7199

Data marked Exclude= Yes was not used in Calculations - the data point was either an outlier or excluded for another reason. Limits marked Edit = Y were edited; Reason should be noted just below Edit column

Batch 11597

Report date: 7/14/2009 7:55:32 AM
Printed by: TestAmerica - Edison

Ident: 0 ppb
Analysis from: 7/13/2009 11:41:56 AM
File: t7131141.chw Last save: 7/13/2009 12:22:22 PM

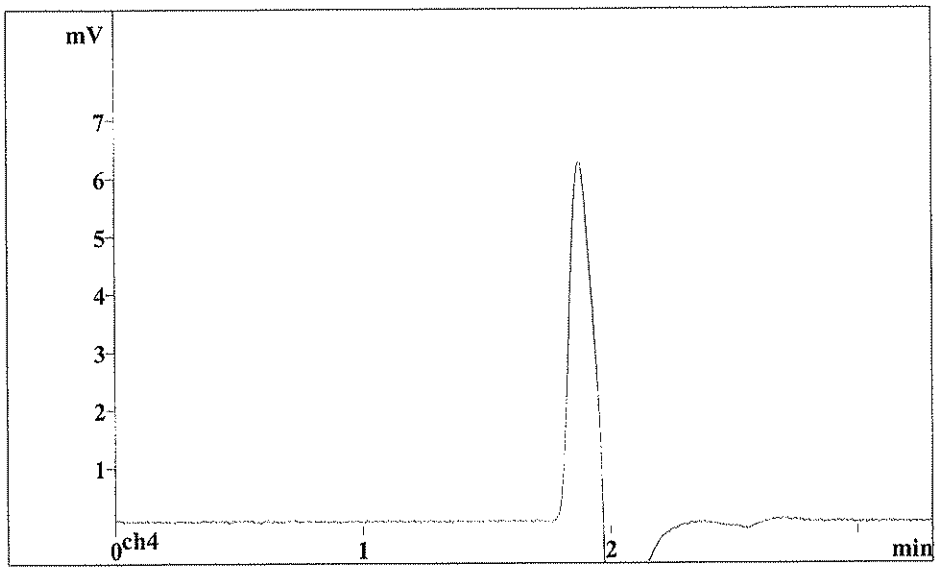
Method: stl_hexchrome_soil.mtw Last save: 7/9/2009 8:50:23
Run operator: TestAmerica - Edison
Analysis number: 17196

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: 7.0 MPa



No peaks

Report date: 7/14/2009 7:55:41 AM
Printed by: TestAmerica - Edison

Ident: 5 ppb
Analysis from: 7/13/2009 11:49:06 AM
File: t7131149.chw Last save: 7/13/2009 12:22:22 PM

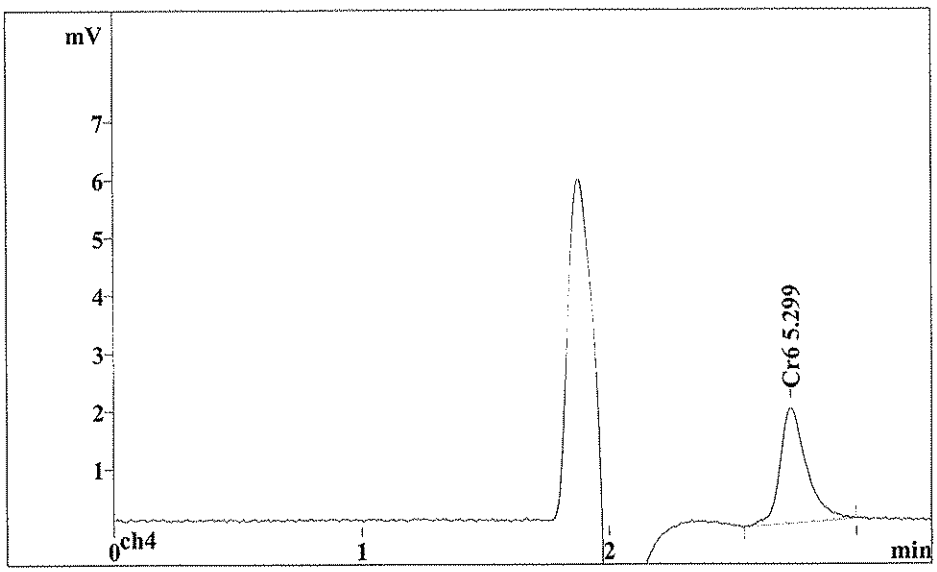
Method: stl_hexchrome_soil.mtw Last save: 7/9/2009 8:50:23
Run operator: TestAmerica - Edison
Analysis number: 17197

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: 7.0 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.105;	2.01;	99.83;	14.876;	100.00;	0.00;	0.00;	30

Report date: 7/14/2009 7:55:44 AM
Printed by: TestAmerica - Edison

Ident: 10 ppb
Analysis from: 7/13/2009 11:56:17 AM
File: t7131156.chw Last save: 7/13/2009 12:22:22 PM

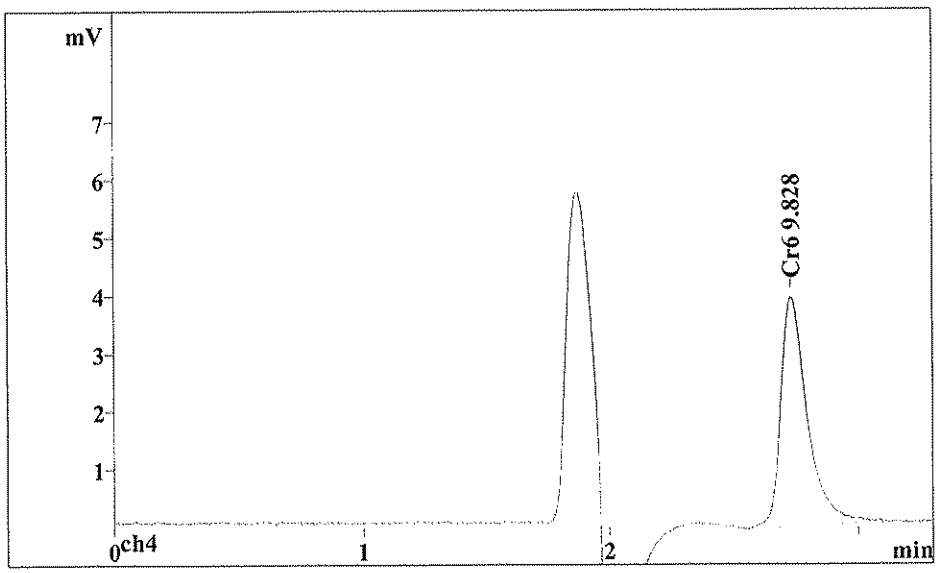
Method: stl_hexchrome_soil.mtw Last save: 7/9/2009 8:50:23
Run operator: TestAmerica - Edison
Analysis number: 17198

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: 7.0 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.106;	3.96;	100.01;	29.479;	100.00;	0.00;	0.00;	30

Report date: 7/14/2009 7:55:47 AM
Printed by: TestAmerica - Edison

Ident: 25 ppb
Analysis from: 7/13/2009 12:03:29 PM
File: t7131203.chw Last save: 7/13/2009 12:22:22 PM

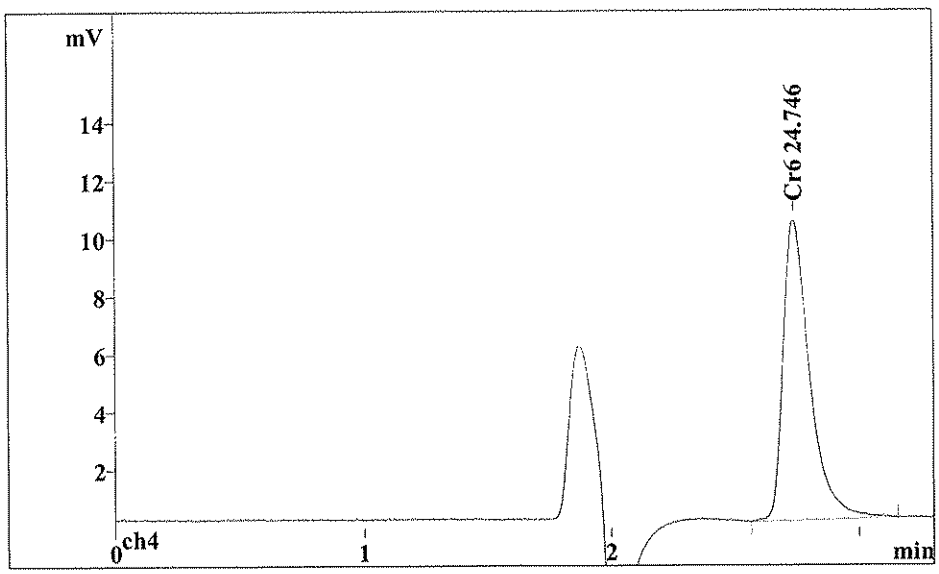
Method: stl_hexchrome_soil.mtw Last save: 7/9/2009 8:50:23
Run operator: TestAmerica - Edison
Analysis number: 17199

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: 6.9 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.108;	10.38;	99.96;	77.585;	100.00;	0.00;	0.00;	30

Report date: 7/14/2009 7:55:50 AM
Printed by: TestAmerica - Edison

Ident: 50 ppb
Analysis from: 7/13/2009 12:10:42 PM
File: t7131210.chw Last save: 7/13/2009 12:22:52 PM

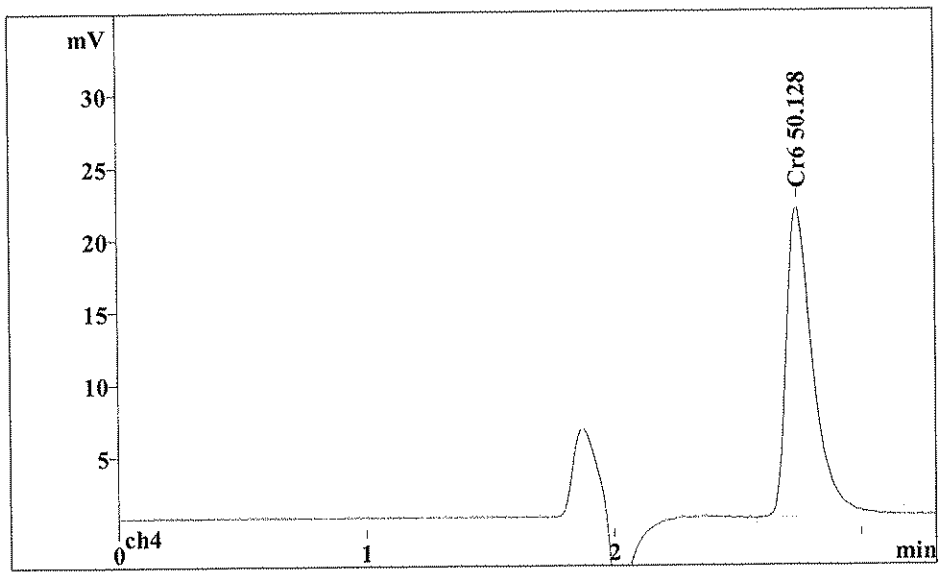
Method: stl_hexchrome_soil.mtw Last save: 7/9/2009 8:50:23
Run operator: TestAmerica - Edison
Analysis number: 17200

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

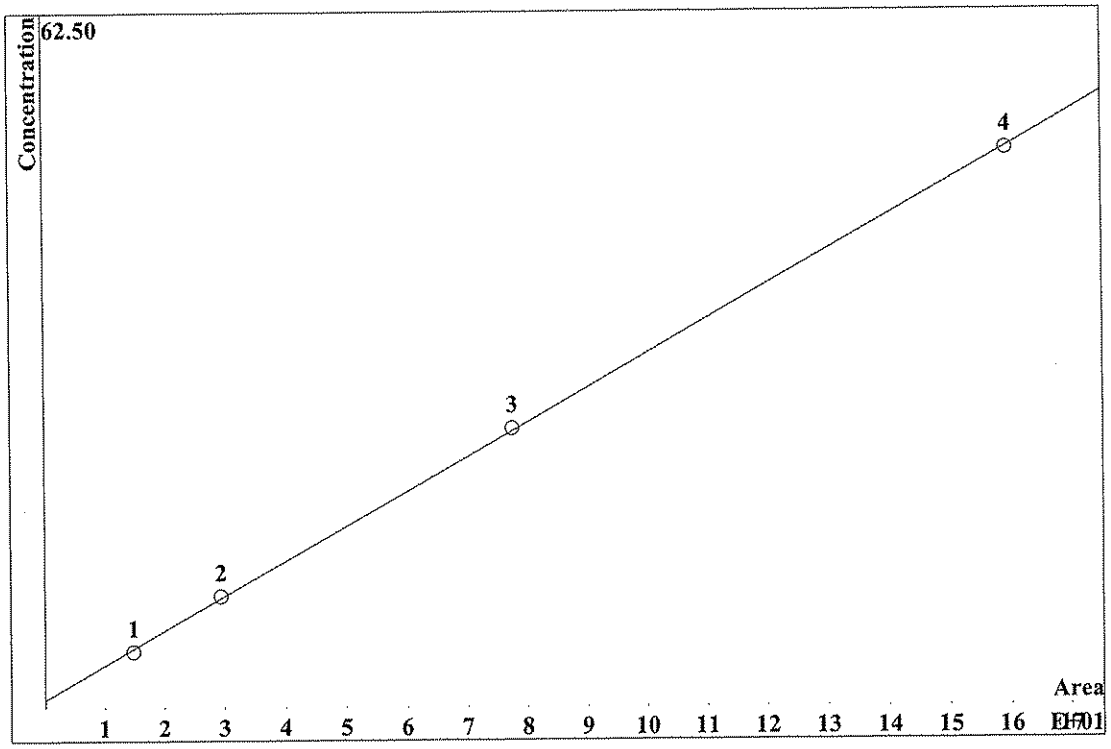
Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.0 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.108;	21.38;	100.02;	159.434;	100.00;	0.00;	0.00;	30

CALIBRATION OF COMPONENT Cr6

Method: stl_hexchrome_soil.mtw
Equation: Q = 0.310107·A + 0.686015
RSD: 1.406 %
Correlation coefficient: 0.999918



K3 = 0 K2 = 0 K1 = 0.310107 K0 = 0.686015
Base: Area
Ref.channel: ch4
ISTD:
Formula: Linear
Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1;	2.01;	14.88;	5;	1;	2.738;	Yes;	t7131149.chw
2;	3.965;	29.48;	10;	1;	2.738;	Yes;	t7131156.chw
3;	10.38;	77.58;	25;	1;	2.738;	Yes;	t7131203.chw
4;	21.38;	159.4;	50;	1;	2.738;	Yes;	t7131210.chw

Batch 11832

Report date: 7/16/2009 9:38:10 AM
Printed by: TestAmerica - Edison

Ident: 0 ppb
Analysis from: 7/15/2009 2:29:54 PM
File: t7151429.chw Last save: 7/15/2009 3:11:10 PM

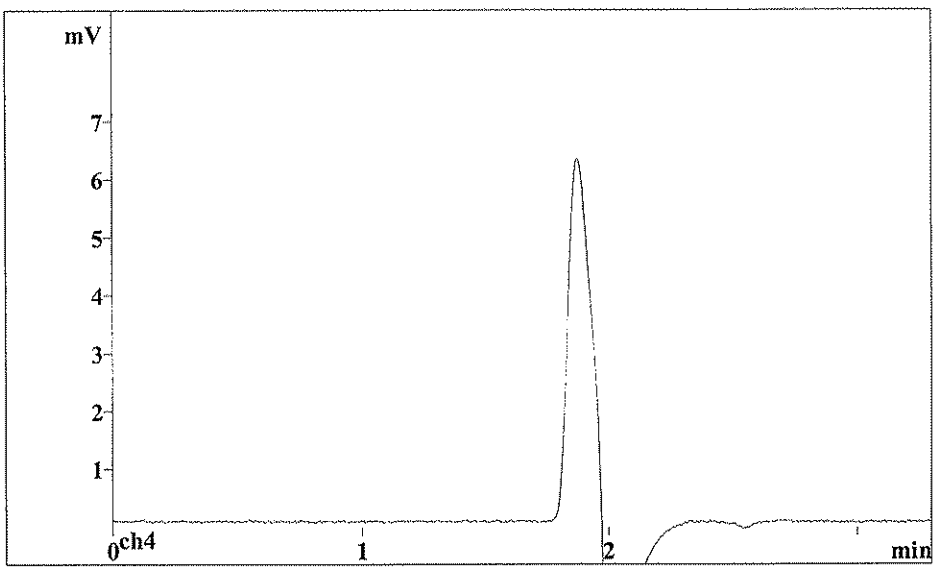
Method: stl_hexchrome_soil.mtw Last save: 7/15/2009 7:58:12
Run operator: TestAmerica - Edison
Analysis number: 17367

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: 7.2 MPa



No peaks

Report date: 7/16/2009 9:38:19 AM
Printed by: TestAmerica - Edison

Ident: 5 ppb
Analysis from: 7/15/2009 2:37:04 PM
File: t7151437.chw Last save: 7/15/2009 3:11:10 PM

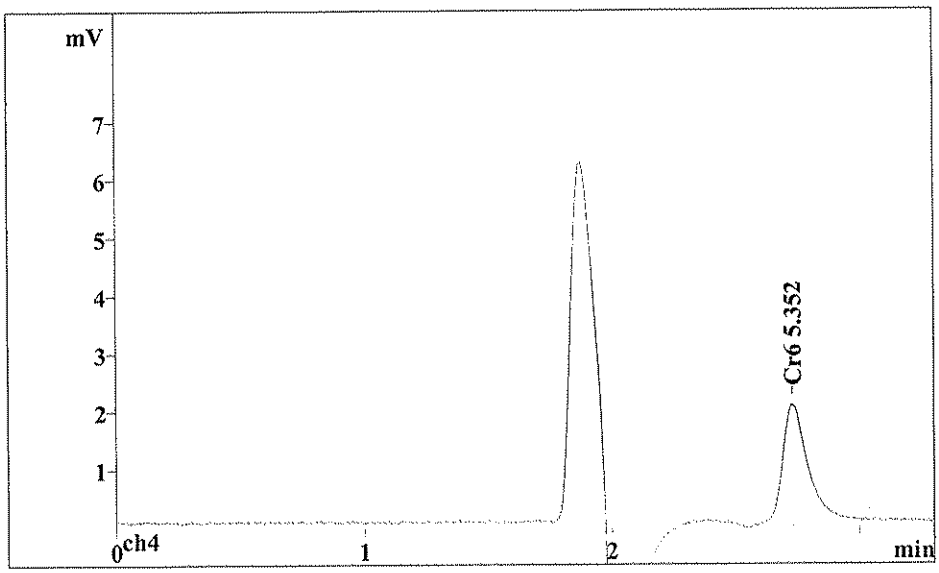
Method: stl_hexchrome_soil.mtw Last save: 7/15/2009 7:58:12
Run operator: TestAmerica - Edison
Analysis number: 17368

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: 7.2 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.104;	2.09;	99.75;	15.603;	100.00;	0.00;	0.00;	30

Report date: 7/16/2009 9:38:22 AM
Printed by: TestAmerica - Edison

Ident: 10 ppb
Analysis from: 7/15/2009 2:44:15 PM
File: t7151444.chw Last save: 7/15/2009 3:11:10 PM

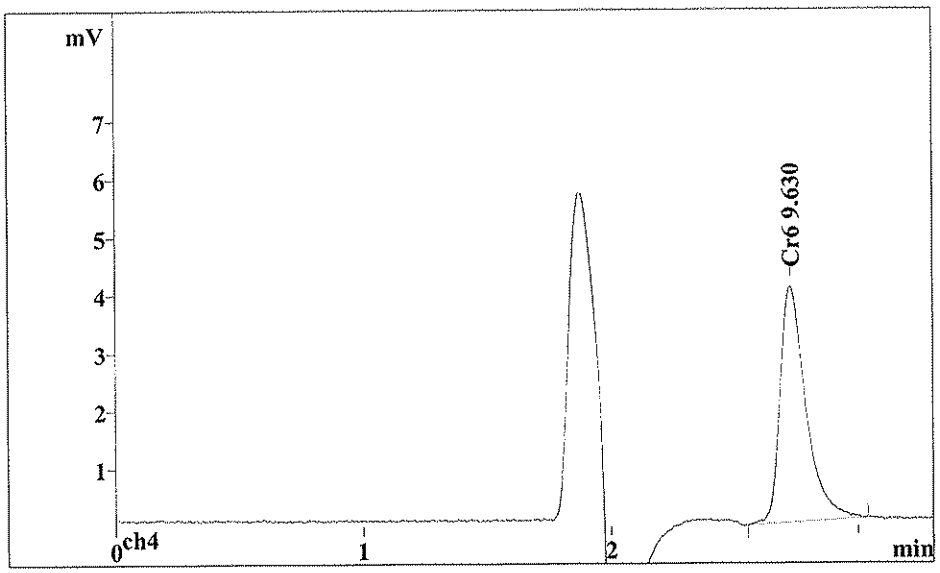
Method: stl_hexchrome_soil.mtw Last save: 7/15/2009 7:58:12
Run operator: TestAmerica - Edison
Analysis number: 17369

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: 7.1 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.105;	4.08;	99.95;	29.716;	100.00;	0.00;	0.00;	31

Report date: 7/16/2009 9:38:25 AM
Printed by: TestAmerica - Edison

Ident: 25 ppb
Analysis from: 7/15/2009 2:51:27 PM
File: t7151451.chw Last save: 7/15/2009 3:11:10 PM

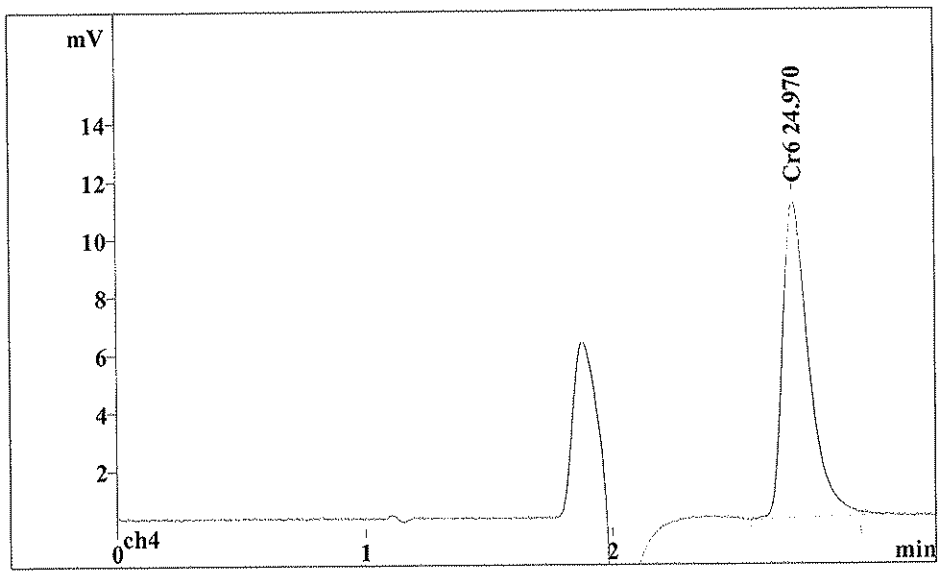
Method: stl_hexchrome_soil.mtw Last save: 7/15/2009 7:58:12
Run operator: TestAmerica - Edison
Analysis number: 17370

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: 7.3 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.107;	10.94;	100.08;	80.329;	100.00;	0.00;	0.00;	31

Report date: 7/16/2009 9:38:28 AM
Printed by: TestAmerica - Edison

Ident: 50 ppb
Analysis from: 7/15/2009 2:58:39 PM
File: t7151458.chw Last save: 7/15/2009 3:11:27 PM

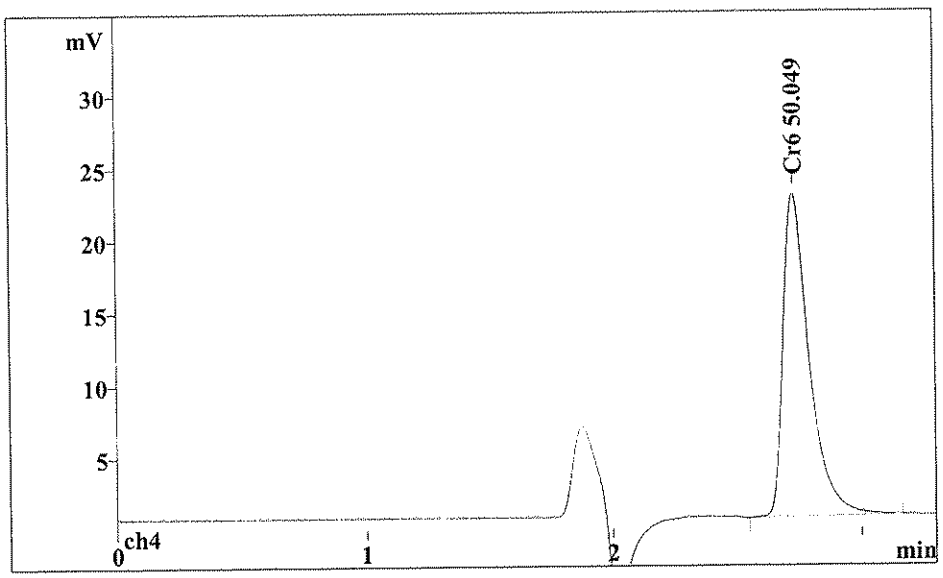
Method: stl_hexchrome_soil.mtw Last save: 7/15/2009 7:58:12
Run operator: TestAmerica - Edison
Analysis number: 17371

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

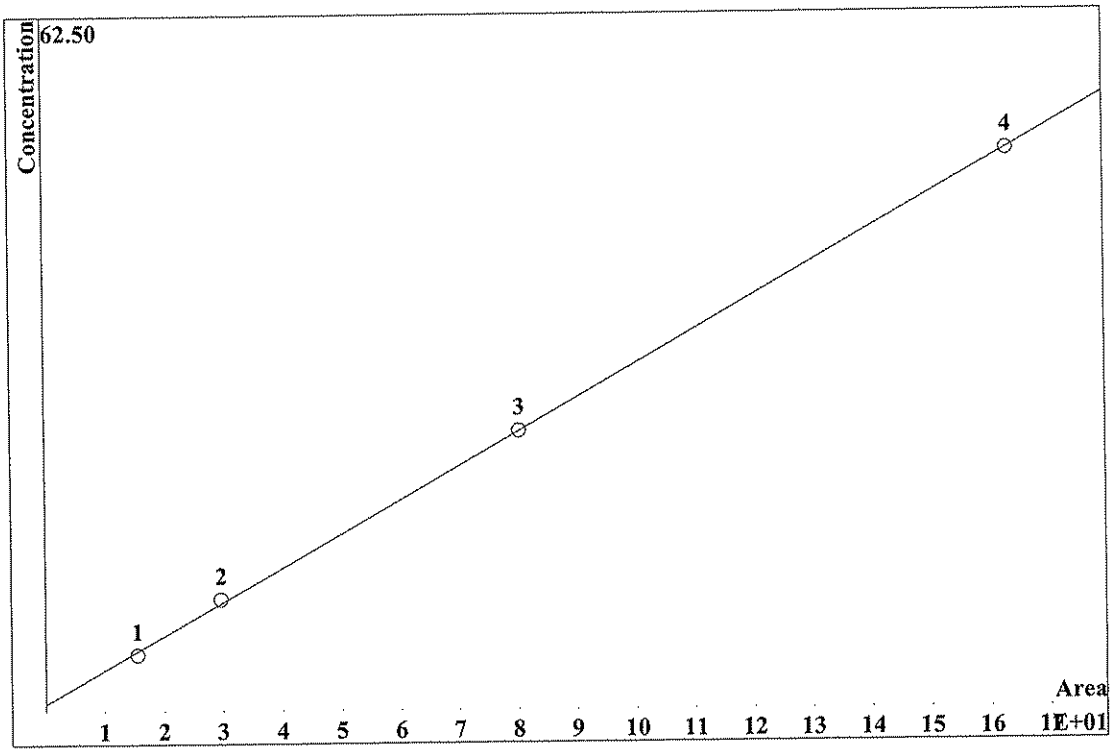
Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.3 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.106;	22.29;	99.97;	163.071;	100.00;	0.00;	0.00;	31

CALIBRATION OF COMPONENT Cr6

Method: stl_hexchrome_soil.mtw
Equation: Q = 0.303093·A + 0.622859
RSD: 1.616 %
Correlation coefficient: 0.999892



K3 = 0 K2 = 0 K1 = 0.303093 K0 = 0.622859
Base: Area
Ref.channel: ch4
ISTD:
Formula: Linear
Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1;	2.094;	15.6;	5;	1;	2.731;	Yes;	t7151437.chw
2;	4.082;	29.72;	10;	1;	2.731;	Yes;	t7151444.chw
3;	10.93;	80.33;	25;	1;	2.731;	Yes;	t7151451.chw
4;	22.3;	163.1;	50;	1;	2.731;	Yes;	t7151458.chw

Batch 11926

Report date: 7/17/2009 7:33:15 AM
Printed by: TestAmerica - Edison

Ident: 0 ppb
Analysis from: 7/16/2009 9:38:43 AM
File: t7160938.chw Last save: 7/16/2009 10:22:49 AM

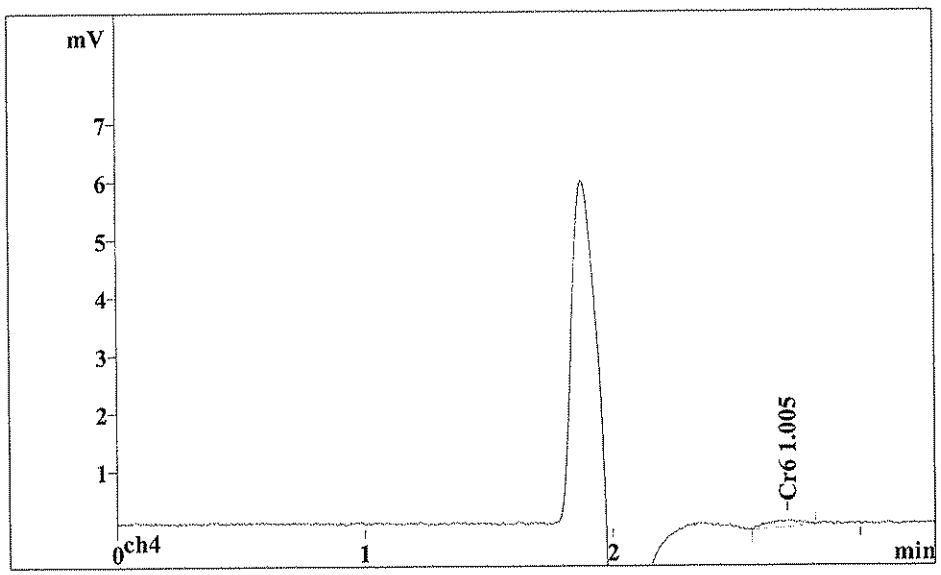
Method: stl_hexchrome_soil.mtw Last save: 7/16/2009 9:42:58
Run operator: TestAmerica - Edison
Analysis number: 17444

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: 34.9°C
Pressure: 7.2 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.71;	0.186;	0.11;	92.41;	1.184;	100.00;	0.00;	0.00;	17

Report date: 7/17/2009 7:33:24 AM
Printed by: TestAmerica - Edison

Ident: 5 ppb
Analysis from: 7/16/2009 9:45:54 AM
File: t7160945.chw Last save: 7/16/2009 10:22:49 AM

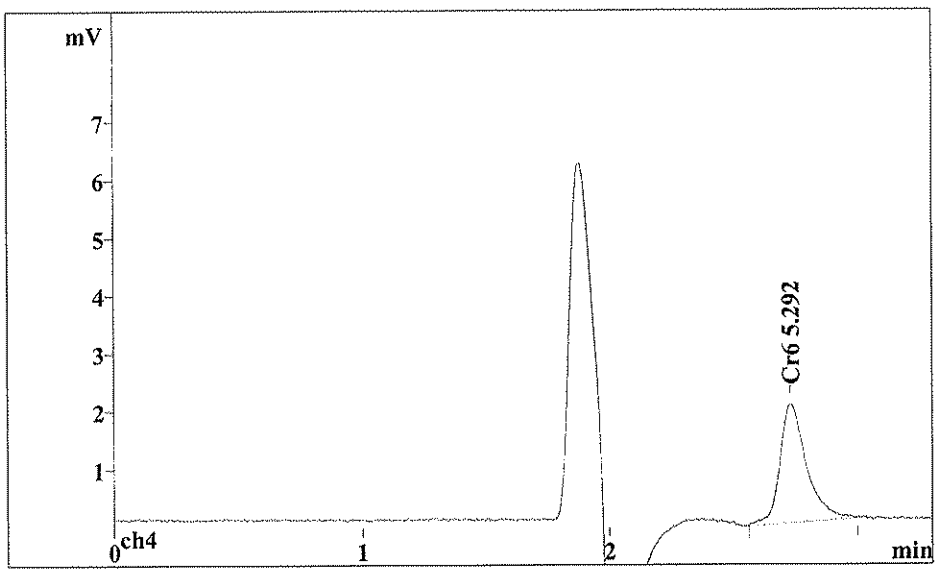
Method: stl_hexchrome_soil.mtw Last save: 7/16/2009 9:42:58
Run operator: TestAmerica - Edison
Analysis number: 17445

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: 7.3 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.104;	2.05;	99.67;	15.313;	100.00;	0.00;	0.00;	30

Report date: 7/17/2009 7:33:28 AM
Printed by: TestAmerica - Edison

Ident: 10 ppb
Analysis from: 7/16/2009 9:53:04 AM
File: t7160953.chw Last save: 7/16/2009 10:22:49 AM

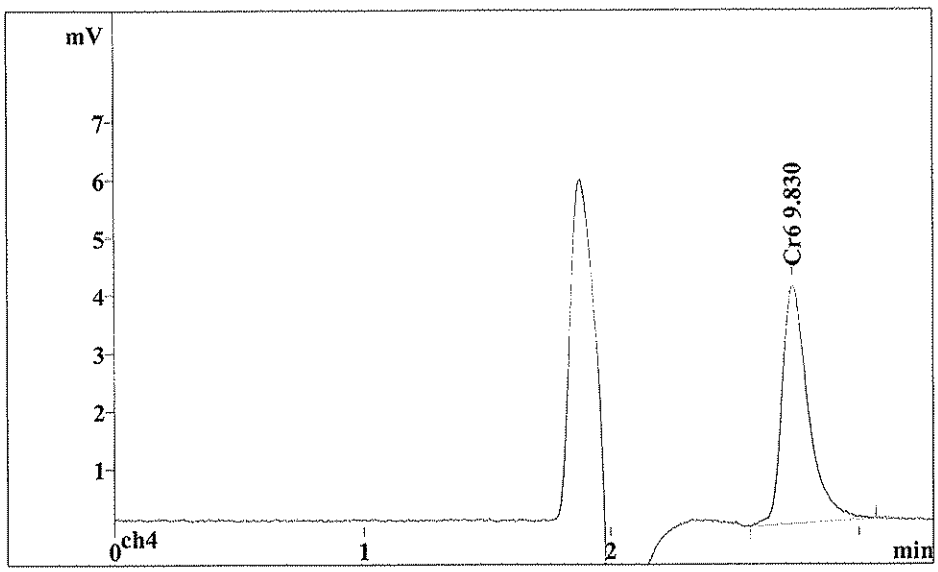
Method: stl_hexchrome_soil.mtw Last save: 7/16/2009 9:42:58
Run operator: TestAmerica - Edison
Analysis number: 17446

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: 7.3 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.106;	4.12;	99.74;	30.270;	100.00;	0.00;	0.00;	31

Report date: 7/17/2009 7:33:31 AM
Printed by: TestAmerica - Edison

Ident: 25 ppb
Analysis from: 7/16/2009 10:00:16 AM
File: t7161000.chw Last save: 7/16/2009 10:22:49 AM

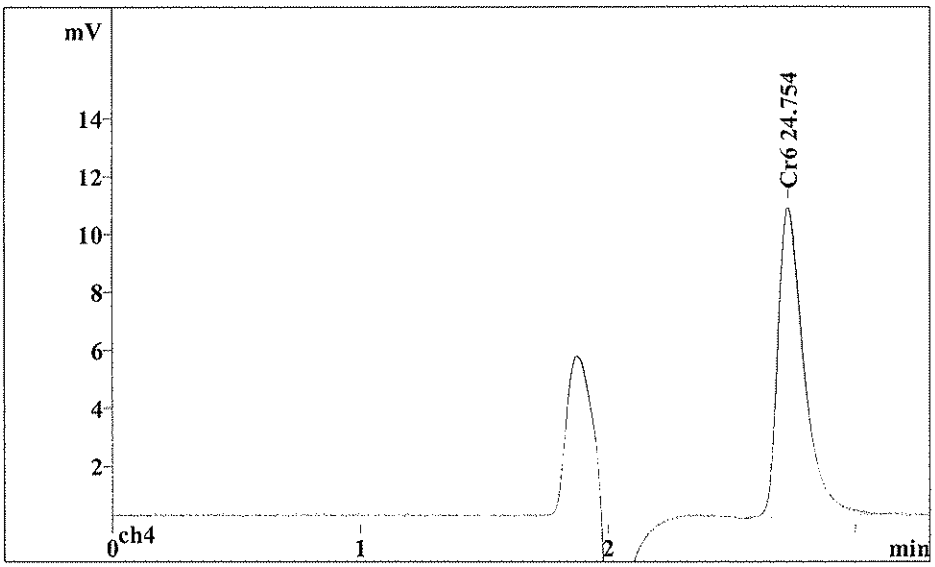
Method: stl_hexchrome_soil.mtw Last save: 7/16/2009 9:42:58
Run operator: TestAmerica - Edison
Analysis number: 17447

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: 7.3 MPa



No;	Retention;	Width/2;	Height;	Height;	Area;	Area;	K';	Resolution;	
;	min;	min;	mV;	%;	mV*sec;	%;	;	n,n+1;	
1;	2.73;	0.108;	10.70;	100.02;	79.456;	100.00;	0.00;	0.00;	30

Report date: 7/17/2009 7:33:34 AM
Printed by: TestAmerica - Edison

Ident: 50 ppb
Analysis from: 7/16/2009 10:07:28 AM
File: t7161007.chw Last save: 7/16/2009 10:23:27 AM

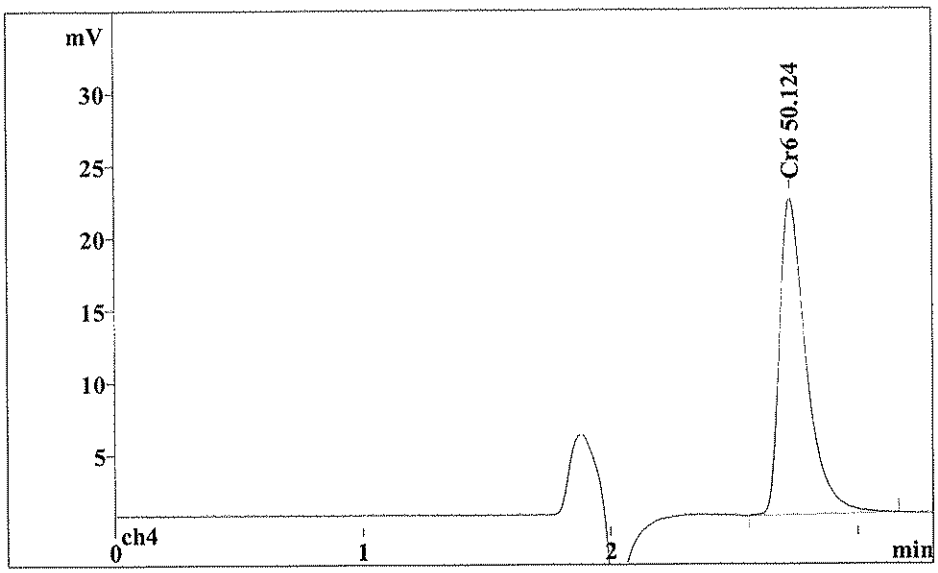
Method: stl_hexchrome_soil.mtw Last save: 7/16/2009 9:42:58
Run operator: TestAmerica - Edison
Analysis number: 17448

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

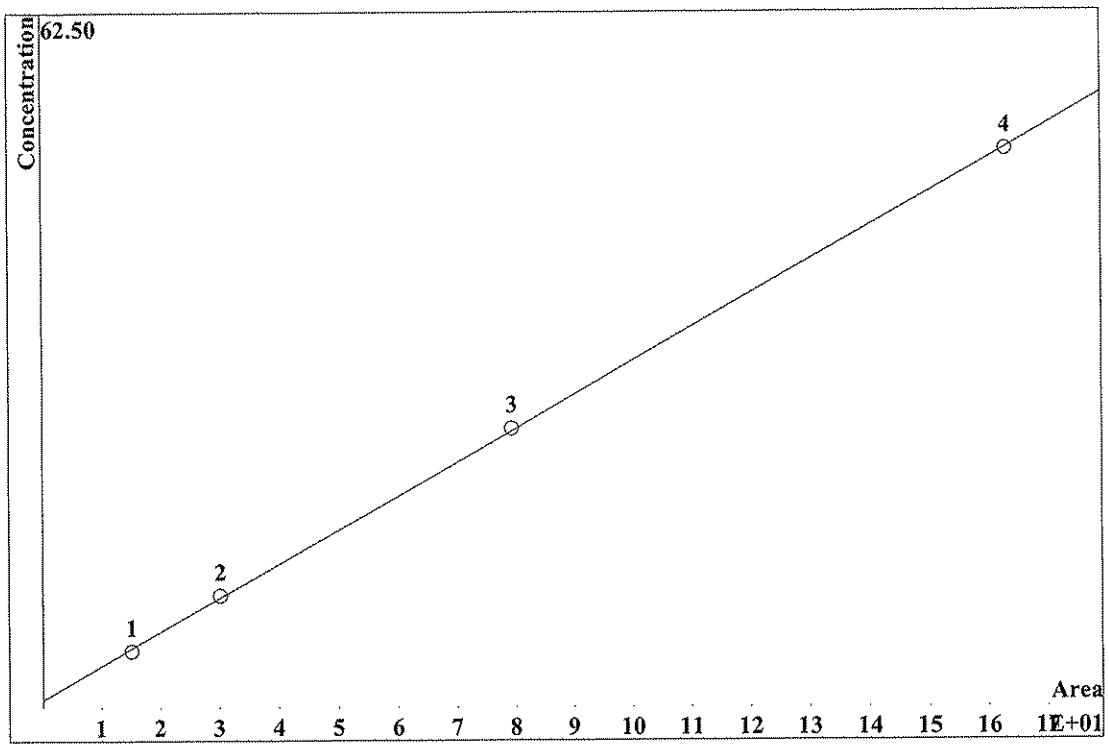
Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.3 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.108;	21.87;	99.98;	163.067;	100.00;	0.00;	0.00;	30

CALIBRATION OF COMPONENT Cr6

Method: stl_hexchrome_soil.mtw
Equation: Q = 0.303424·A + 0.64532
RSD: 1.369 %
Correlation coefficient: 0.999923



K3 = 0 K2 = 0 K1 = 0.303424 K0 = 0.64532
Base: Area
Ref.channel: ch4
ISTD:
Formula: Linear
Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1;	2.055;	15.31;	5;	1;	2.732;	Yes;	t7160945.chw
2;	4.13;	30.27;	10;	1;	2.732;	Yes;	t7160953.chw
3;	10.7;	79.46;	25;	1;	2.732;	Yes;	t7161000.chw
4;	21.88;	163.1;	50;	1;	2.732;	Yes;	t7161007.chw

Batch 11929

Report date: 7/17/2009 7:39:59 AM
Printed by: TestAmerica - Edison

Ident: 0 ppb
Analysis from: 7/16/2009 6:38:00 PM
File: t7161838.chw Last save: 7/17/2009 7:29:37 AM

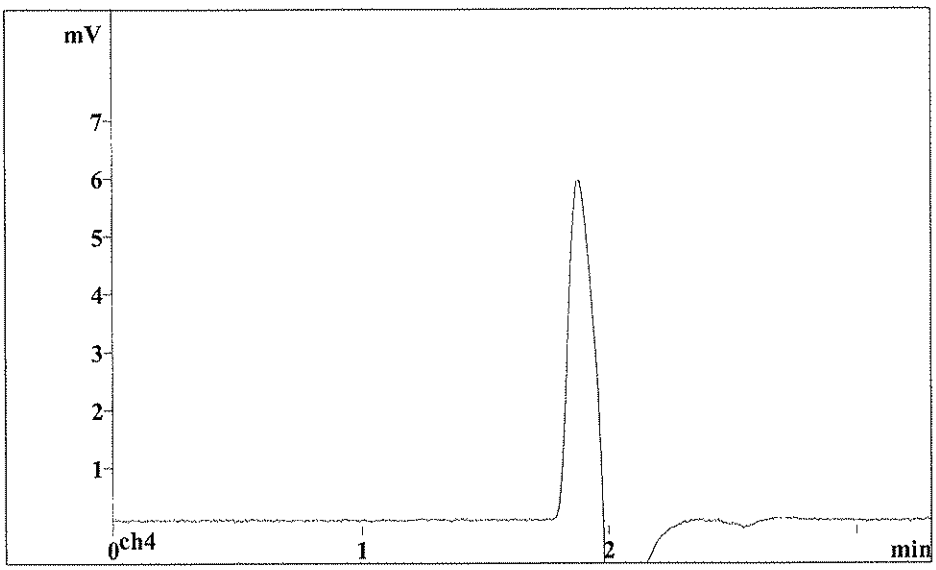
Method: stl_hexchrome_soil.mtw Last save: 7/16/2009 10:23:2
Run operator: TestAmerica - Edison
Analysis number: 17495

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: 7.4 MPa



No peaks

Report date: 7/17/2009 7:40:06 AM
Printed by: TestAmerica - Edison

Ident: 5 ppb
Analysis from: 7/16/2009 6:45:11 PM
File: t7161845.chw Last save: 7/17/2009 7:29:37 AM

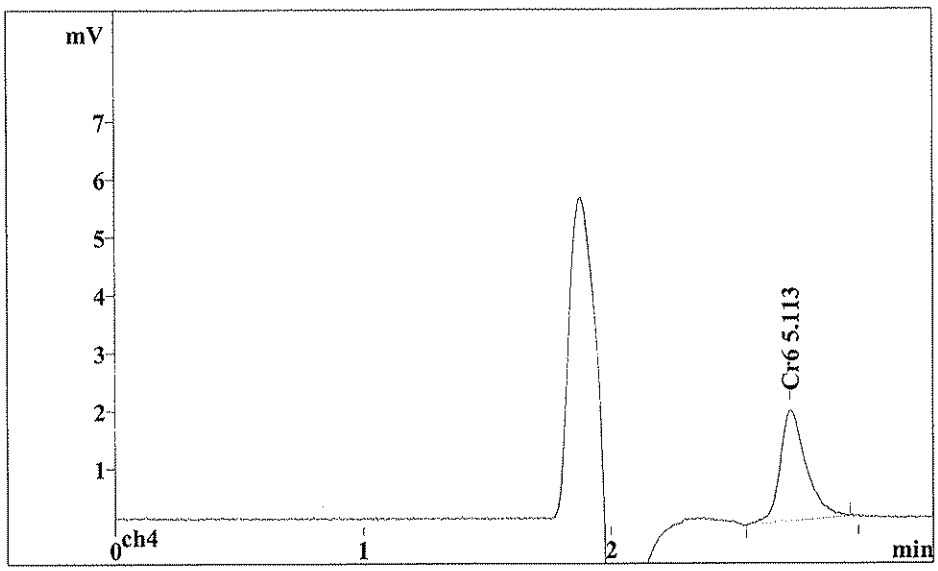
Method: stl_hexchrome_soil.mtw Last save: 7/16/2009 10:23:2
Run operator: TestAmerica - Edison
Analysis number: 17496

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: 7.3 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.103;	1.93;	99.69;	14.064;	100.00;	0.00;	0.00;	31

Report date: 7/17/2009 7:40:10 AM
Printed by: TestAmerica - Edison

Ident: 10 ppb
Analysis from: 7/16/2009 6:52:21 PM
File: t7161852.chw Last save: 7/17/2009 7:29:37 AM

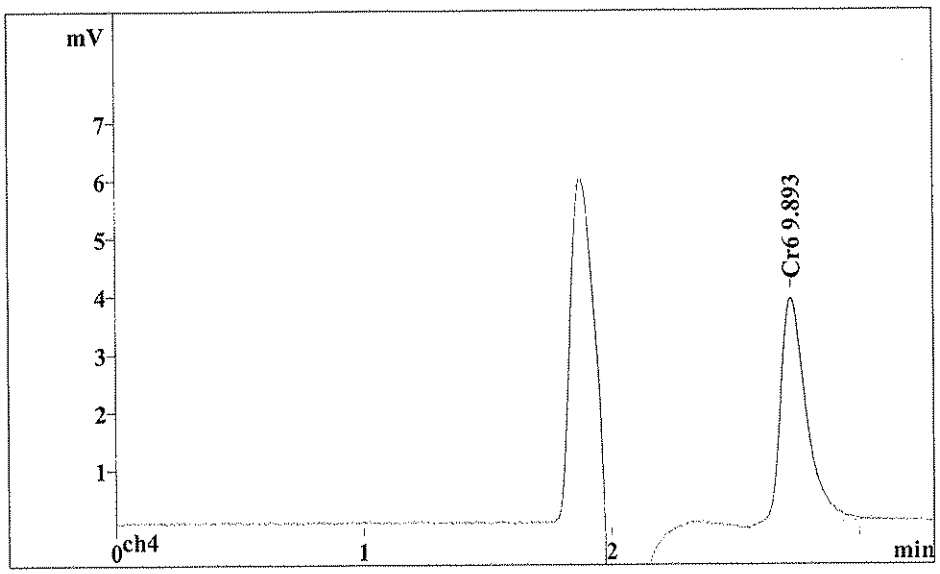
Method: stl_hexchrome_soil.mtw Last save: 7/16/2009 10:23:2
Run operator: TestAmerica - Edison
Analysis number: 17497

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: 7.3 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.106;	3.94;	99.86;	29.017;	100.00;	0.00;	0.00;	31

Report date: 7/17/2009 7:40:13 AM
Printed by: TestAmerica - Edison

Ident: 25 ppb
Analysis from: 7/16/2009 6:59:32 PM
File: t7161859.chw Last save: 7/17/2009 7:29:38 AM

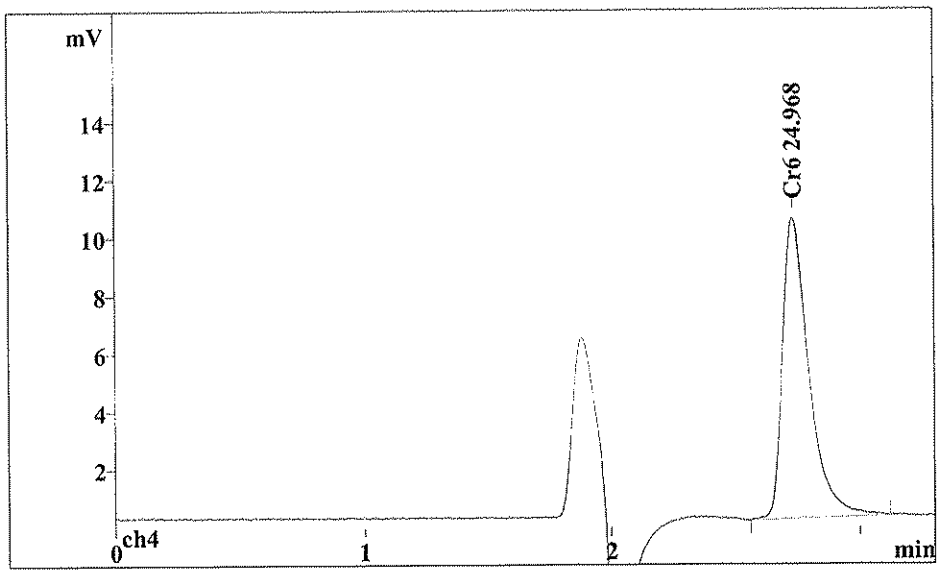
Method: stl_hexchrome_soil.mtw Last save: 7/16/2009 10:23:2
Run operator: TestAmerica - Edison
Analysis number: 17498

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: 7.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.107;	10.37;	99.94;	76.175;	100.00;	0.00;	0.00;	31

Report date: 7/17/2009 7:40:17 AM
Printed by: TestAmerica - Edison

Ident: 50 ppb
Analysis from: 7/16/2009 7:06:45 PM
File: t7161906.chw Last save: 7/17/2009 7:29:56 AM

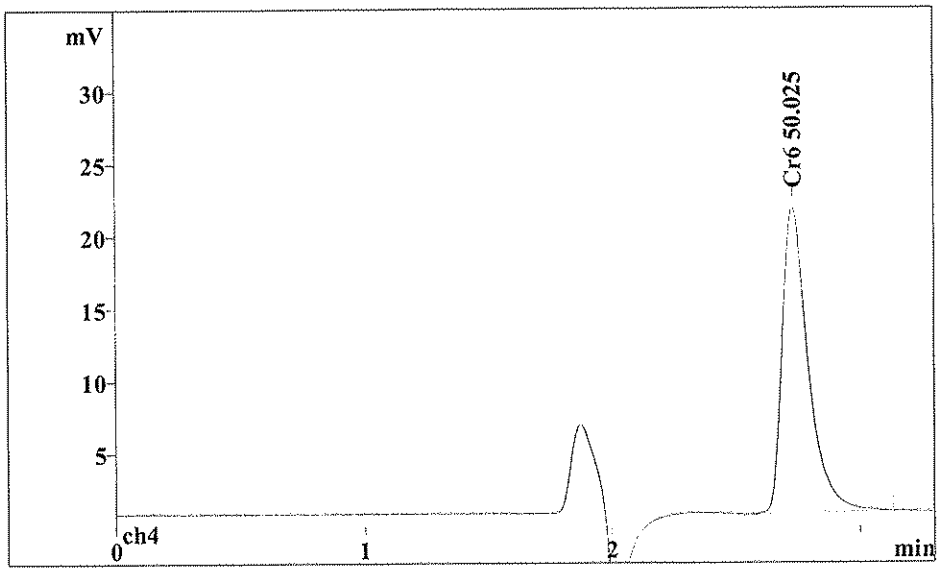
Method: stl_hexchrome_soil.mtw Last save: 7/16/2009 10:23:2
Run operator: TestAmerica - Edison
Analysis number: 17499

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

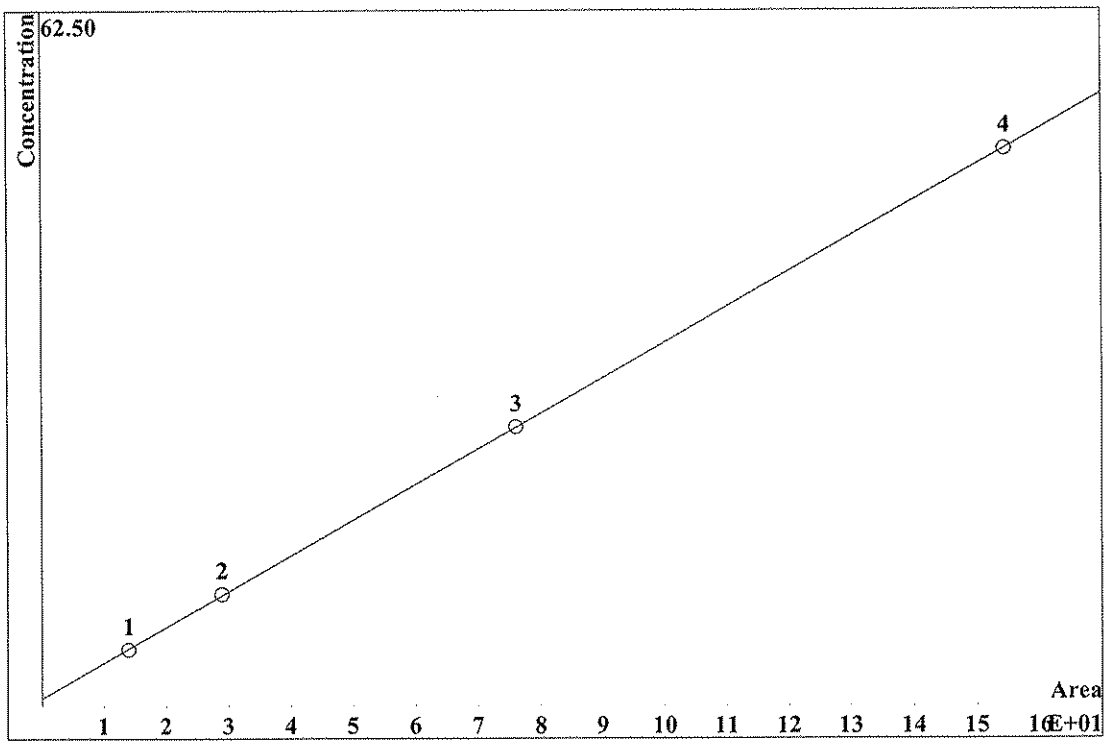
Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.3 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.73;	0.107;	21.14;	100.03;	154.556;	100.00;	0.00;	0.00;	31

CALIBRATION OF COMPONENT Cr6

Method: stl_hexchrome_soil.mtw
Equation: Q = 0.319678·A + 0.617089
RSD: 0.505 %
Correlation coefficient: 0.999989



K3 = 0 K2 = 0 K1 = 0.319678 K0 = 0.617089
Base: Area
Ref.channel: ch4
ISTD:
Formula: Linear
Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1;	1.935;	14.06;	5;	1;	2.728;	Yes;	t7161845.chw
2;	3.942;	29.02;	10;	1;	2.728;	Yes;	t7161852.chw
3;	10.38;	76.17;	25;	1;	2.728;	Yes;	t7161859.chw
4;	21.13;	154.6;	50;	1;	2.728;	Yes;	t7161906.chw

Batch 120716

Report date: 7/20/2009 8:03:38 AM
Printed by: TestAmerica - Edison

Ident: 0 ppb
Analysis from: 7/17/2009 7:46:16 PM
File: t7171946.chw Last save: 7/20/2009 7:15:51 AM

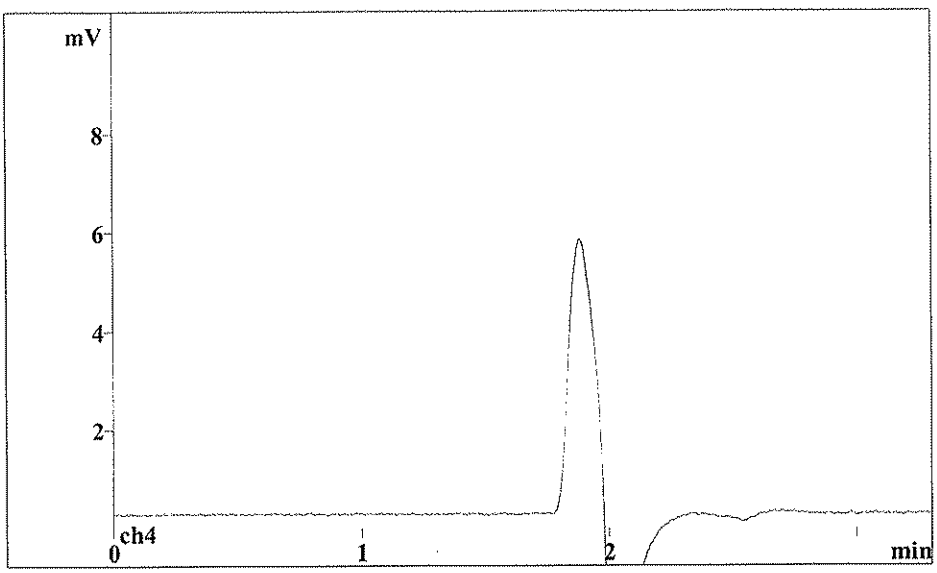
Method: stl_hexchrome_soil.mtw Last save: 7/17/2009 6:51:58
Run operator: TestAmerica - Edison
Analysis number: 17576

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: 35.1°C
Pressure: 7.4 MPa



No peaks

Report date: 7/20/2009 8:03:45 AM
Printed by: TestAmerica - Edison

Ident: 5 ppb
Analysis from: 7/17/2009 7:53:30 PM
File: t7171953.chw Last save: 7/20/2009 7:15:51 AM

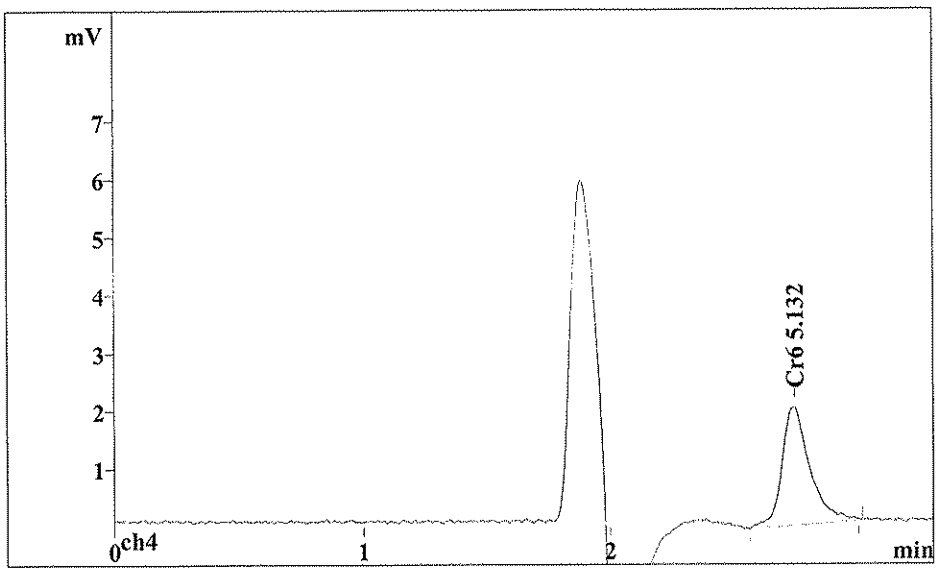
Method: stl_hexchrome_soil.mtw Last save: 7/17/2009 6:51:58
Run operator: TestAmerica - Edison
Analysis number: 17577

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: 7.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.110;	2.05;	99.79;	16.076;	100.00;	0.00;	0.00;	27

Report date: 7/20/2009 8:03:48 AM
Printed by: TestAmerica - Edison

Ident: 10 ppb
Analysis from: 7/17/2009 8:00:46 PM
File: t7172000.chw Last save: 7/20/2009 7:15:51 AM

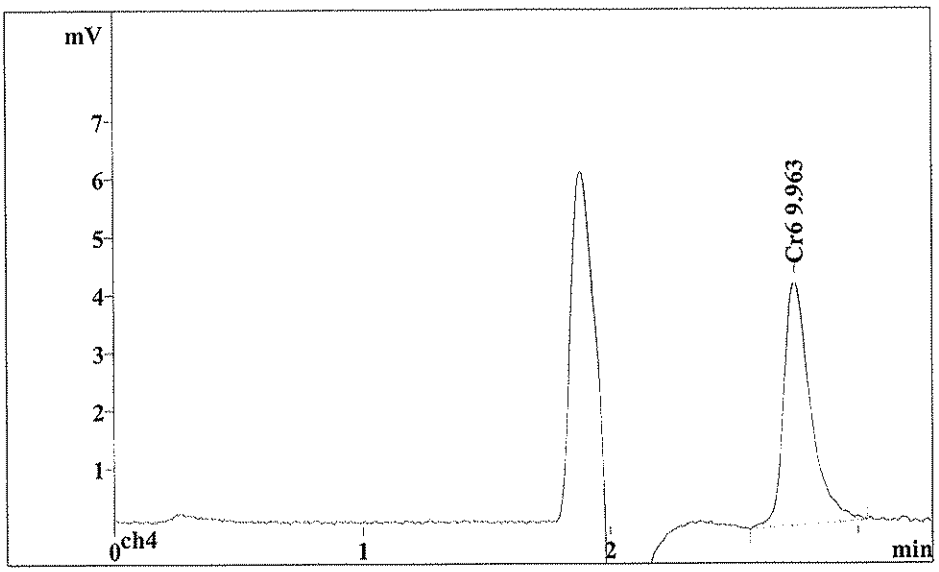
Method: stl_hexchrome_soil.mtw Last save: 7/17/2009 6:51:58
Run operator: TestAmerica - Edison
Analysis number: 17578

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: 7.4 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.75;	0.109;	4.20;	100.07;	31.950;	100.00;	0.00;	0.00;	29

Report date: 7/20/2009 8:03:52 AM
Printed by: TestAmerica - Edison

Ident: 25 ppb
Analysis from: 7/17/2009 8:08:01 PM
File: t7172008.chw Last save: 7/20/2009 7:15:51 AM

Method: stl_hexchrome_soil.mtw Last save: 7/17/2009 6:51:58
Run operator: TestAmerica - Edison
Analysis number: 17579

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: 7.4 MPa

No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.109;	10.85;	99.98;	80.781;	100.00;	0.00;	0.00;	30

Report date: 7/20/2009 8:03:56 AM
Printed by: TestAmerica - Edison

Ident: 50 ppb
Analysis from: 7/17/2009 8:15:18 PM
File: t7172015.chw Last save: 7/20/2009 8:03:03 AM

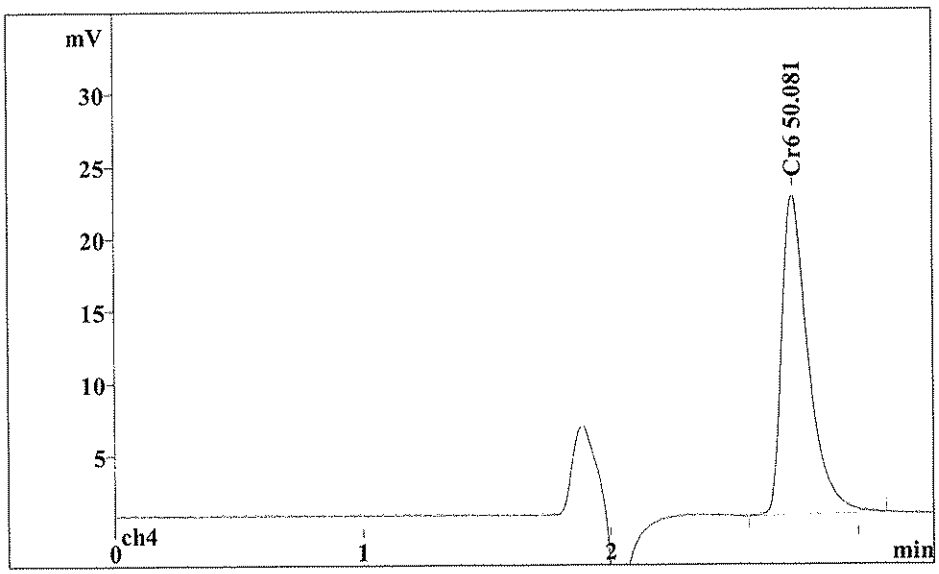
Method: stl_hexchrome_soil.mtw Last save: 7/17/2009 6:51:58
Run operator: TestAmerica - Edison
Analysis number: 17580

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

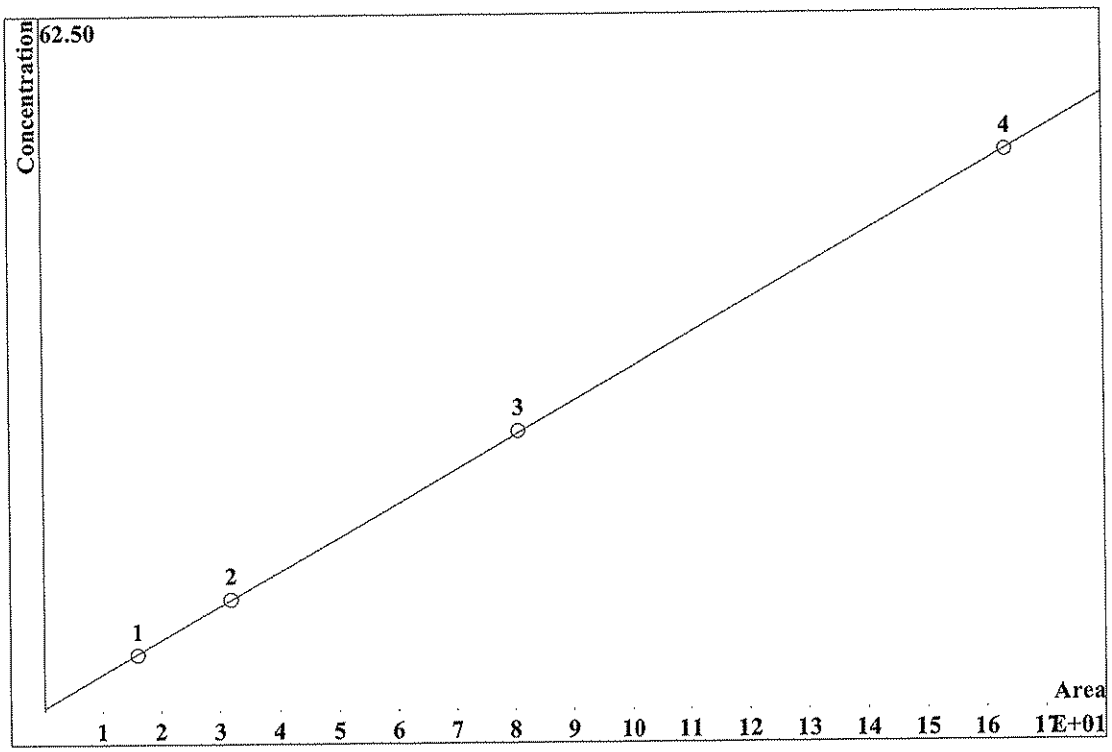
Flow: 0.75 mL/min
Temperature: 35.0°C
Pressure: 7.5 MPa



No;	Retention; min;	Width/2; min;	Height; mV;	Height; %;	Area; mV*sec;	Area; %;	K'; ;	Resolution; n,n+1;	
1;	2.74;	0.109;	22.03;	100.02;	163.766;	100.00;	0.00;	0.00;	30

CALIBRATION OF COMPONENT Cr6

Method: stl_hexchrome_soil.mtw
Equation: Q = 0.304347·A + 0.238999
RSD: 0.744 %
Correlation coefficient: 0.999977



K3 = 0 K2 = 0 K1 = 0.304347 K0 = 0.238999
Base: Area
Ref.channel: ch4
ISTD:
Formula: Linear
Weight: 1

Level	Height	Area	Conc.	Vol/Dil	Retention	Used	File
1;	2.05;	16.08;	5;	1;	2.743;	Yes;	t7171953.chw
2;	4.202;	31.95;	10;	1;	2.743;	Yes;	t7172000.chw
3;	10.85;	80.78;	25;	1;	2.743;	Yes;	t7172008.chw
4;	22.03;	163.8;	50;	1;	2.743;	Yes;	t7172015.chw

Metals Worksheet

Batch Number: 460-14799
Method: 3060A
Analyst: Carlone, John

Date Open: Aug 20 2009 12:47PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	WThcrIM_00005	WThcrPbCr_00002	WThcrsLCS_00006
MB~460-14799/1		3060A, 7199		2.50 g	100 mL			
LCS~460-14799/2		3060A, 7199		2.50 g	100 mL			5.0 mL
LCSI~460-14799/3		3060A, 7199		2.50 g	100 mL		0.011 g	
460-4872-A-1~DU	0916260-AB03921	3060A, 7199	T	2.50 g	100 mL			
460-4872-A-1~MS	0916260-AB03921	3060A, 7199	T	2.50 g	100 mL	1.0 mL		
460-4872-A-1~MSI		3060A, 7199	T	2.50 g	100 mL		0.011 g	
460-4872-A-1	0916260-AB03921	3060A, 7199	T	2.50 g	100 mL			
460-4872-A-2	0916261-AB03922	3060A, 7199	T	2.45 g	100 mL			
460-4872-A-3	0916262-AB03923	3060A, 7199	T	2.53 g	100 mL			
460-4872-A-4	0916263-AB03924	3060A, 7199	T	2.46 g	100 mL			
460-4872-A-5	0916264-AB03925	3060A, 7199	T	2.43 g	100 mL			
460-4872-A-6	0916265-AB03926	3060A, 7199	T	2.48 g	100 mL			
460-4872-A-7	0916266-AB03927	3060A, 7199	T	2.45 g	100 mL			
460-4872-A-8	0916267-AB03928	3060A, 7199	T	2.56 g	100 mL			
460-4872-A-9	0916268-AB03929	3060A, 7199	T	2.48 g	100 mL			
460-4872-A-10	0916269-AB03930	3060A, 7199	T	2.45 g	100 mL			
460-4872-A-11	0916270-AB03931	3060A, 7199	T	2.47 g	100 mL			
460-4872-A-12	0916271-AB03932	3060A, 7199	T	2.48 g	100 mL			
460-4872-A-13	0916272-AB03933	3060A, 7199	T	2.51 g	100 mL			
460-4872-A-14	0916273-AB03934	3060A, 7199	T	2.48 g	100 mL			
460-4872-A-15	0916274-AB03935	3060A, 7199	T	2.48 g	100 mL			
460-4872-A-15~DU	0916274-AB03935	3060A, 7199	T	2.52 g	100 mL			
460-4872-A-16	0916275-AB03936	3060A, 7199	T	2.51 g	100 mL			
460-4872-A-17	0916276-AB03937	3060A, 7199	T	2.44 g	100 mL			
460-4872-A-18	0916277-AB03938	3060A, 7199	T	2.51 g	100 mL			

Metals Worksheet

Batch Number: 460-14799
Method: 3060A
Analyst: Carlone, John

Date Open: Aug 20 2009 12:47PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	WThcrIM_00005	WThcrPbCr_00002	WThcrsLCS_00006
460-4872-A-19	0916278-AB03939	3060A, 7199	T	2.50 g	100 mL			
460-4872-A-20	0916279-AB03940	3060A, 7199	T	2.50 g	100 mL			
460-4872-A-1~PDS		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-5229-09 EXP 9/14/09
Lead Chromate Lot #:	09921LC
Lead Chromate Vendor ID:	ALDRICH
First Start time:	1245
Starting Temperature:	90.2 Celsius
First End time:	1345

Metals Worksheet

Batch Number: 460-14799
Method: 3060A
Analyst: Carlone, John

Date Open: Aug 20 2009 12:47PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~460-14799/1		3060A, 7199		
LCS~460-14799/2		3060A, 7199		
LCSI~460-14799/3		3060A, 7199		
460-4872-A-1~DU	0916260-AB03921	3060A, 7199	T	
460-4872-A-1~MS	0916260-AB03921	3060A, 7199	T	
460-4872-A-1~MSI		3060A, 7199	T	
460-4872-A-1	0916260-AB03921	3060A, 7199	T	
460-4872-A-2	0916261-AB03922	3060A, 7199	T	
460-4872-A-3	0916262-AB03923	3060A, 7199	T	
460-4872-A-4	0916263-AB03924	3060A, 7199	T	
460-4872-A-5	0916264-AB03925	3060A, 7199	T	
460-4872-A-6	0916265-AB03926	3060A, 7199	T	
460-4872-A-7	0916266-AB03927	3060A, 7199	T	
460-4872-A-8	0916267-AB03928	3060A, 7199	T	
460-4872-A-9	0916268-AB03929	3060A, 7199	T	
460-4872-A-10	0916269-AB03930	3060A, 7199	T	
460-4872-A-11	0916270-AB03931	3060A, 7199	T	
460-4872-A-12	0916271-AB03932	3060A, 7199	T	
460-4872-A-13	0916272-AB03933	3060A, 7199	T	
460-4872-A-14	0916273-AB03934	3060A, 7199	T	
460-4872-A-15	0916274-AB03935	3060A, 7199	T	
460-4872-A-15~DU	0916274-AB03935	3060A, 7199	T	
460-4872-A-16	0916275-AB03936	3060A, 7199	T	
460-4872-A-17	0916276-AB03937	3060A, 7199	T	
460-4872-A-18	0916277-AB03938	3060A, 7199	T	

Metals Worksheet

Batch Number: 460-14799
Method: 3060A
Analyst: Carlone, John

Date Open: Aug 20 2009 12:47PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
460-4872-A-19	0916278-AB03939	3060A, 7199	T	
460-4872-A-20	0916279-AB03940	3060A, 7199	T	
460-4872-A-1~PDS		3060A, 7199	T	

Batch Comment:

AFTER 30 MINUTES:

General Chemistry Worksheet

Batch Number: 460-14833
Method: Moisture
Analyst: Abrams, Stacey

Date Open: Aug 20 2009 6:13PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Dish ID	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
460-4873-A-1	PX24		T	133 No Unit	1.03 g	5.18 g	4.59 g
460-4873-A-2	PX25		T	410 No Unit	1.00 g	5.81 g	5.53 g
460-4873-A-3	PX26		T	32 No Unit	1.03 g	5.60 g	4.93 g
460-4873-A-4	PX27		T	251 No Unit	1.03 g	5.84 g	5.27 g
460-4873-A-5	PX28/L5		T	260 No Unit	1.05 g	5.90 g	5.22 g
460-4873-A-6	PX29/L6		T	12 No Unit	1.02 g	5.41 g	4.87 g
460-4873-A-7	PX30		T	166 No Unit	1.03 g	5.65 g	5.01 g
460-4873-A-8	PX31		T	63 No Unit	1.03 g	5.57 g	5.17 g
460-4873-A-9	PX32		T	69 No Unit	1.04 g	5.62 g	4.84 g
460-4873-A-10	PX33		T	168 No Unit	1.00 g	5.33 g	4.74 g
460-4873-A-11	PX34		T	184 No Unit	1.05 g	5.34 g	4.70 g
460-4873-A-12	PX35		T	183 No Unit	1.04 g	5.13 g	4.75 g
460-4873-A-13	PX36		T	79 No Unit	1.02 g	5.54 g	5.04 g
460-4873-A-14	PX37		T	106 No Unit	1.03 g	5.62 g	4.90 g
460-4873-A-15	PX38		T	104 No Unit	1.03 g	5.06 g	4.55 g
460-4873-A-16	PX39		T	51 No Unit	1.01 g	5.31 g	4.81 g
460-4873-A-17	PX40		T	28 No Unit	1.03 g	5.30 g	4.72 g
460-4873-A-18	PX41		T	269 No Unit	1.03 g	5.90 g	5.25 g
460-4881-A-1	SOIL PILE- GRAB		T	38 No Unit	1.04 g	5.60 g	5.14 g
460-4881-A-1~DU			T	181 No Unit	1.01 g	5.63 g	5.10 g
460-4904-A-1	PEW		T	246 No Unit	1.05 g	5.17 g	4.40 g
460-4904-A-2	PEE		T	65 No Unit	1.06 g	5.41 g	4.46 g
460-4904-A-3	PES		T	20 No Unit	1.01 g	5.21 g	4.99 g
460-4904-A-4	PEN		T	16 No Unit	1.02 g	5.16 g	4.72 g
460-4904-A-5	PEC		T	5 No Unit	1.03 g	5.35 g	4.63 g

General Chemistry Worksheet

Batch Number: 460-14833
Method: Moisture
Analyst: Abrams, Stacey

Date Open: Aug 20 2009 6:13PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Dish ID	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
460-4899-A-1	EA		T	313 No Unit	1.09 g	5.49 g	4.65 g
460-4899-A-2	SA		T	412 No Unit	1.04 g	5.54 g	4.82 g
460-4899-A-3	NA		T	127 No Unit	1.03 g	5.26 g	4.49 g
460-4899-A-4	WA		T	95 No Unit	1.01 g	5.92 g	4.81 g
460-4899-A-5	EB		T	123 No Unit	1.08 g	5.16 g	4.32 g
460-4899-A-6	SB		T	15 No Unit	1.03 g	5.91 g	5.58 g
460-4899-A-7	NB		T	191 No Unit	1.02 g	5.80 g	4.68 g
460-4899-A-8	WB		T	287 No Unit	1.01 g	5.62 g	4.71 g
460-4891-A-1	PE-1 Sidewall 7.5-8		T	119 No Unit	1.03 g	5.29 g	4.70 g
460-4880-F-3	SB7(0-0.5)		T	149 No Unit	1.02 g	5.45 g	4.81 g
460-4880-F-4	SB7(4.5-5)		T	113 No Unit	1.05 g	5.03 g	4.58 g
460-4880-F-5	SB7(7.5-8)		T	130 No Unit	1.11 g	5.49 g	5.04 g
460-4880-F-6	SB6(0-0.5)		T	157 No Unit	1.05 g	5.57 g	5.06 g
460-4880-F-7	SB6(3.5-4)		T	103 No Unit	1.05 g	5.39 g	5.03 g
460-4880-F-7~DU			T	134 No Unit	1.02 g	5.38 g	4.97 g
460-4880-F-8	SB4(0-0.5)		T	90 No Unit	1.02 g	5.41 g	5.03 g
460-4880-F-9	SB4(9.5-10)		T	146 No Unit	1.01 g	5.70 g	5.21 g
460-4880-F-10	SB6(7.5-8)		T	248 No Unit	1.02 g	5.20 g	4.88 g
460-4880-F-11	SB8(0-0.5)		T	33 No Unit	1.00 g	5.48 g	5.26 g
460-4880-F-13	SB3(7.5-8)		T	237 No Unit	1.00 g	5.30 g	4.76 g
460-4880-F-14	SB2(0-0.5)		T	10 No Unit	1.05 g	5.67 g	5.38 g
460-4880-F-15	SB5(0-0.5)		T	202 No Unit	1.03 g	5.83 g	5.38 g
460-4880-F-16	SB5(9.5-10)		T	77 No Unit	1.03 g	5.88 g	5.45 g
460-4880-F-17	SB1(0-0.5)		T	27 No Unit	1.01 g	5.23 g	4.86 g
460-4880-F-18	SED1		T	247 No Unit	1.03 g	5.99 g	5.39 g

General Chemistry Worksheet

Batch Number: 460-14833
Method: Moisture
Analyst: Abrams, Stacey

Date Open: Aug 20 2009 6:13PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Dish ID	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
460-4880-F-12	SB3(0-0.5)		T	265 No Unit	1.04 g	5.31 g	4.38 g
460-4872-A-1	0916260-AB03921	Moisture	T	427 No Unit	0.96 g	5.11 g	4.92 g
460-4872-A-2	0916261-AB03922	Moisture	T	163 No Unit	1.04 g	5.59 g	5.41 g
460-4872-A-3	0916262-AB03923	Moisture	T	418 No Unit	1.01 g	5.62 g	5.38 g
460-4872-A-4	0916263-AB03924	Moisture	T	136 No Unit	1.04 g	5.30 g	4.72 g
460-4872-A-5	0916264-AB03925	Moisture	T	232 No Unit	1.02 g	5.43 g	5.18 g
460-4872-A-6	0916265-AB03926	Moisture	T	78 No Unit	1.01 g	5.39 g	5.01 g
460-4872-A-7	0916266-AB03927	Moisture	T	274 No Unit	1.02 g	5.28 g	5.06 g
460-4872-A-8	0916267-AB03928	Moisture	T	30 No Unit	1.04 g	5.52 g	5.29 g
460-4872-A-9	0916268-AB03929	Moisture	T	97 No Unit	1.10 g	5.99 g	5.57 g
460-4872-A-10	0916269-AB03930	Moisture	T	17 No Unit	1.00 g	5.74 g	5.48 g
460-4872-A-10~DU			T	154 No Unit	1.08 g	5.77 g	5.49 g
460-4872-A-11	0916270-AB03931	Moisture	T	210 No Unit	1.00 g	5.45 g	5.13 g
460-4872-A-12	0916271-AB03932	Moisture	T	188 No Unit	1.01 g	5.44 g	5.08 g
460-4872-A-13	0916272-AB03933	Moisture	T	131 No Unit	0.99 g	5.13 g	4.84 g
460-4872-A-14	0916273-AB03934	Moisture	T	150 No Unit	1.04 g	5.72 g	5.61 g
460-4872-A-15	0916274-AB03935	Moisture	T	250 No Unit	1.05 g	5.49 g	5.09 g
460-4872-A-16	0916275-AB03936	Moisture	T	141 No Unit	1.04 g	5.43 g	5.19 g
460-4872-A-17	0916276-AB03937	Moisture	T	72 No Unit	1.04 g	5.17 g	5.37 g
460-4872-A-18	0916277-AB03938	Moisture	T	252 No Unit	1.04 g	5.28 g	5.03 g
460-4872-A-19	0916278-AB03939	Moisture	T	408 No Unit	1.03 g	5.65 g	5.41 g
460-4872-A-20	0916279-AB03940	Moisture	T	162 No Unit	1.02 g	5.42 g	4.95 g
460-4872-A-21	0916280-AB03941	Moisture	T	193 No Unit	1.04 g	5.64 g	5.49 g
460-4872-A-22	0916281-AB03942	Moisture	T	137 No Unit	1.04 g	5.73 g	5.34 g
460-4872-A-23	0916282-AB03943	Moisture	T	9 No Unit	1.05 g	5.83 g	5.55 g

General Chemistry Worksheet

Batch Number: 460-14833
Method: Moisture
Analyst: Abrams, Stacey

Date Open: Aug 20 2009 6:13PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Dish ID	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
460-4872-A-24	0916283-AB03944	Moisture	T	11 No Unit	1.04 g	5.61 g	5.46 g
460-4872-A-25	0916284-AB03945	Moisture	T	45 No Unit	1.05 g	5.72 g	5.47 g
460-4872-A-26	0916285-AB03946	Moisture	T	294 No Unit	1.01 g	5.30 g	5.16 g
460-4872-A-27	0916286-AB03947	Moisture	T	430 No Unit	0.97 g	5.58 g	5.31 g
460-4872-A-28	0916287-AB03948	Moisture	T	7 No Unit	1.06 g	5.25 g	5.08 g
460-4872-A-29	0916288-AB03949	Moisture	T	239 No Unit	1.01 g	5.25 g	4.83 g
460-4872-A-30	0916289-AB03950	Moisture	T	23 No Unit	1.07 g	5.58 g	5.38 g
460-4872-A-30~DU			T	70 No Unit	1.06 g	5.56 g	5.35 g
460-4912-A-1	V-L33-1		T	40 No Unit	1.05 g	5.70 g	5.31 g
460-4912-A-2	V-M32-1		T	29 No Unit	1.05 g	5.76 g	5.55 g
460-4912-A-3	V-M33-1		T	14 No Unit	0.96 g	5.43 g	5.29 g
460-4912-A-4	V-J34-1		T	42 No Unit	1.04 g	5.44 g	5.12 g
460-4912-A-5	DUP-08202009		T	51 No Unit	1.05 g	5.77 g	5.43 g
460-4905-C-4	IDW Comp Soil		T	105 No Unit	1.03 g	5.30 g	4.89 g
460-4911-D-1	TP-1		T	160 No Unit	1.01 g	5.97 g	5.26 g
460-4911-D-2	TP-3		T	420 No Unit	0.96 g	5.28 g	4.56 g
460-4911-D-3	TP-4		T	39 No Unit	1.02 g	5.04 g	4.61 g
460-4911-D-4	TP-5		T	195 No Unit	1.03 g	5.69 g	4.83 g
460-4914-A-1	LINE 1-5		T	89 No Unit	1.07 g	5.15 g	5.00 g
460-4915-B-1	SBM-Poplar		T	4 No Unit	1.03 g	5.40 g	4.86 g
460-4909-A-1	SS-18E123A		T	29 No Unit	1.02 g	5.58 g	5.24 g
460-4909-A-2	SS-18E123B		T	57 No Unit	1.04 g	5.31 g	5.11 g
460-4909-A-3	SS-18E123C		T	198 No Unit	1.00 g	5.34 g	4.76 g
460-4909-A-4	SS-18E123D		T	9 No Unit	0.99 g	5.23 g	4.94 g
460-4909-A-5	SS-18E123Z		T	116 No Unit	1.04 g	5.69 g	5.33 g

General Chemistry Worksheet

Batch Number: 460-14833
Method: Moisture
Analyst: Abrams, Stacey

Date Open: Aug 20 2009 6:13PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Dish ID	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
460-4909-A-6	SS-18E100A		T	406 No Unit	1.02 g	5.74 g	5.26 g
460-4909-A-7	SS-18E100B		T	139 No Unit	1.01 g	5.13 g	4.87 g
460-4909-A-8	SS-18E100C		T	71 No Unit	1.04 g	5.15 g	4.83 g
460-4909-A-9	SS-18E103A		T	11 No Unit	1.01 g	5.95 g	5.65 g
460-4909-A-10	SS-18E103B		T	996 No Unit	1.00 g	5.74 g	5.43 g
460-4909-A-11	SS-18E103C		T	256 No Unit	1.02 g	5.13 g	4.79 g
460-4909-A-12	SS-18E124A		T	760 No Unit	1.01 g	5.47 g	5.17 g
460-4909-A-12~DU			T	1232 No Unit	1.00 g	5.47 g	5.19 g
460-4909-A-13	SS-18E124B		T	37 No Unit	1.02 g	5.60 g	5.35 g
460-4909-A-14	SS-18E104A		T	257 No Unit	1.02 g	5.43 g	5.29 g
460-4909-A-15	SS-18E104B		T	423 No Unit	0.95 g	5.34 g	5.11 g
460-4909-A-16	SS-18E104C		T	33 No Unit	1.01 g	5.39 g	5.13 g
460-4909-A-17	SS-18E104D		T	245 No Unit	1.02 g	5.10 g	4.83 g
460-4909-A-18	SS-18E85A		T	419 No Unit	1.00 g	5.27 g	4.79 g
460-4909-A-19	SS-18E85B		T	18 No Unit	1.04 g	5.95 g	5.65 g
460-4909-A-20	SS-18E85Z		T	409 No Unit	0.99 g	5.11 g	4.54 g
460-4909-A-21	SS-18E84A		T	400 No Unit	1.01 g	5.30 g	4.91 g
460-4909-A-22	SS-18E84B		T	64 No Unit	1.03 g	5.06 g	4.78 g
460-4909-A-23	SS-18E86A		T	266 No Unit	1.05 g	5.37 g	5.07 g
460-4909-A-24	SS-18E86B		T	267 No Unit	1.03 g	5.29 g	4.32 g
460-4909-A-25	SS-18E88A		T	206 No Unit	1.04 g	5.23 g	4.33 g
460-4909-A-26	SS-18E88B		T	3 No Unit	1.03 g	5.92 g	4.48 g
460-4909-A-27	SS-18E87A		T	44 No Unit	1.01 g	5.26 g	4.93 g
460-4909-A-28	SS-18E87B		T	174 No Unit	1.00 g	5.71 g	5.21 g
460-4909-A-29	SS-18E115A		T	35 No Unit	1.07 g	5.13 g	4.62 g

General Chemistry Worksheet

Batch Number: 460-14833
Method: Moisture
Analyst: Abrams, Stacey

Date Open: Aug 20 2009 6:13PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Dish ID	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
460-4909-A-29~DU			T	34 No Unit	1.06 g	5.84 g	5.56 g
460-4909-A-30	SS-18E115B		T	236 No Unit	1.04 g	5.65 g	5.49 g
460-4909-A-31	SS-18E115Z		T	80 No Unit	1.06 g	5.22 g	4.99 g
460-4909-A-32	SS-18E113A		T	122 No Unit	1.04 g	5.77 g	5.35 g
460-4909-A-33	SS-18E113B		T	422 No Unit	1.00 g	5.79 g	5.54 g
460-4909-A-34	SS-18E112A		T	8 No Unit	0.99 g	5.41 g	5.17 g
460-4909-A-35	SS-18E112B		T	201 No Unit	0.98 g	5.17 g	5.00 g
460-4909-A-36	SS-18E111A		T	81 No Unit	1.02 g	5.19 g	4.97 g
460-4909-A-37	SS-18E111B		T	182 No Unit	1.01 g	5.94 g	5.67 g
460-4916-A-1	LVL-MER-C-AVOC		T	67 No Unit	1.02 g	5.57 g	5.43 g
460-4916-A-2	LVL-MER-C-A		T	413 No Unit	1.03 g	5.86 g	5.71 g
460-4919-D-1	WC-16		T	289 No Unit	0.99 g	5.42 g	4.74 g
460-4874-A-1	152185-PB11-S-4		T	36 No Unit	1.02 g	5.51 g	4.72 g
460-4874-A-2	152185-PB11-S-4		T	291 No Unit	1.03 g	5.25 g	4.42 g
460-4874-B-9	152185-PB12-S-18		T	76 No Unit	1.02 g	5.67 g	4.73 g
460-4874-A-10	152185-PB12-S-27		T	98 No Unit	1.04 g	5.58 g	3.80 g
460-4881-C-2	SOIL PILE-COMPOSITE		T	58 No Unit	1.01 g	5.05 g	4.78 g
460-4887-D-1	S-1		T	297 No Unit	1.03 g	5.75 g	4.85 g
460-4887-D-2	S-2		T	35 No Unit	1.00 g	5.74 g	5.11 g
460-4887-D-3	S-3		T	259 No Unit	1.03 g	5.41 g	4.96 g
460-4913-A-1	CS 34-82		T	272 No Unit	0.99 g	5.31 g	5.62 g
460-4913-A-1~DU			T	205 No Unit	1.02 g	5.34 g	5.09 g
460-4913-A-2	TL 26-19		T	226 No Unit	1.00 g	5.40 g	5.06 g
460-4913-A-3	TL 33-35		T	200 No Unit	1.03 g	5.84 g	5.42 g
460-4913-A-4	TL 42-27		T	8 No Unit	1.03 g	5.01 g	4.75 g

General Chemistry Worksheet

Batch Number: 460-14833
Method: Moisture
Analyst: Abrams, Stacey

Date Open: Aug 20 2009 6:13PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Dish ID	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
460-4913-A-5	CS 29-71		T	264 No Unit	1.01 g	5.20 g	4.01 g
460-4913-C-6	DS 7-92		T	31 No Unit	1.04 g	5.74 g	5.24 g
460-4913-A-7	RS 10-56		T	102 No Unit	1.01 g	5.71 g	5.34 g
460-4913-C-8	DS 23-16		T	288 No Unit	1.01 g	5.61 g	5.28 g
460-4913-A-9	RS 23-59		T	197 No Unit	1.03 g	5.23 g	4.94 g
460-4913-A-10	AR 37-101		T	19 No Unit	1.00 g	5.70 g	5.40 g
460-4913-A-11	ML 1-113		T	82 No Unit	1.05 g	5.48 g	5.01 g
460-4913-B-12	AR 27-136		T	229 No Unit	1.02 g	5.33 g	4.93 g
460-4922-B-1	SED-1 (Sediment)		T	13 No Unit	0.98 g	5.15 g	3.59 g
460-4922-B-2	SED-2 (Sediment)		T	35 No Unit	1.01 g	5.66 g	2.33 g
460-4922-B-3	SED-3 (Sediment)		T	124 No Unit	1.07 g	5.58 g	3.45 g
460-4922-B-4	SED-4 (Sedment)		T	16 No Unit	1.02 g	5.12 g	3.32 g
460-4847-A-7	001A		T	138 No Unit	1.03 g	5.22 g	4.28 g
460-4845-A-1	S-1		T	221 No Unit	1.02 g	5.41 g	5.11 g
460-4853-A-3	B-13.5-4		T	292 No Unit	1.01 g	5.39 g	4.81 g
460-4853-A-4	B-18-8.5		T	219 No Unit	1.04 g	5.47 g	4.72 g
460-4853-A-5	B-111.5-12		T	222 No Unit	1.02 g	5.49 g	5.04 g
460-4853-A-6	B-23.5-4		T	460 No Unit	1.04 g	5.48 g	4.74 g

Balance ID: #:104 No Unit
Oven Temp when samples are put in oven: 105° Degrees C
Oven ID: 2
ID number of the thermometer: 21463

Metals Worksheet

Batch Number: 460-14913
Method: 3060A
Analyst: Carlone, John

Date Open: Aug 21 2009 12:52PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	WThcrIM_00005	WThcrPbCr_00002	WThcrsLCS_00006
MB~460-14913/1		3060A, 7199		2.50 g	100 mL			
LCS~460-14913/2		3060A, 7199		2.50 g	100 mL			5.0 mL
LCSI~460-14913/3		3060A, 7199		2.50 g	100 mL		0.011 g	
460-4872-A-21~DU	0916280-AB03941	3060A, 7199	T	2.50 g	100 mL			
460-4872-A-21~MS		3060A, 7199	T	2.50 g	100 mL	1.0 mL		
460-4872-A-21~MSI		3060A, 7199	T	2.50 g	100 mL		0.011 g	
460-4872-A-21	0916280-AB03941	3060A, 7199	T	2.50 g	100 mL			
460-4872-A-22	0916281-AB03942	3060A, 7199	T	2.42 g	100 mL			
460-4872-A-23	0916282-AB03943	3060A, 7199	T	2.43 g	100 mL			
460-4872-A-24	0916283-AB03944	3060A, 7199	T	2.49 g	100 mL			
460-4872-A-25	0916284-AB03945	3060A, 7199	T	2.58 g	100 mL			
460-4872-A-26	0916285-AB03946	3060A, 7199	T	2.49 g	100 mL			
460-4872-A-27	0916286-AB03947	3060A, 7199	T	2.45 g	100 mL			
460-4872-A-28	0916287-AB03948	3060A, 7199	T	2.46 g	100 mL			
460-4872-A-29	0916288-AB03949	3060A, 7199	T	2.49 g	100 mL			
460-4872-A-30	0916289-AB03950	3060A, 7199	T	2.50 g	100 mL			
460-4872-A-21~PDS		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-5229-09 EXP 9/14/09
Lead Chromate Lot #:	09921LC
Lead Chromate Vendor ID:	ALDRICH
First Start time:	1248
Starting Temperature:	90.5 Celsius
First End time:	1348

Metals Worksheet

Batch Number: 460-14913
Method: 3060A
Analyst: Carlone, John

Date Open: Aug 21 2009 12:52PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~460-14913/1		3060A, 7199		
LCS~460-14913/2		3060A, 7199		
LCSI~460-14913/3		3060A, 7199		
460-4872-A-21~DU	0916280-AB03941	3060A, 7199	T	
460-4872-A-21~MS		3060A, 7199	T	
460-4872-A-21~MSI		3060A, 7199	T	
460-4872-A-21	0916280-AB03941	3060A, 7199	T	
460-4872-A-22	0916281-AB03942	3060A, 7199	T	
460-4872-A-23	0916282-AB03943	3060A, 7199	T	
460-4872-A-24	0916283-AB03944	3060A, 7199	T	
460-4872-A-25	0916284-AB03945	3060A, 7199	T	
460-4872-A-26	0916285-AB03946	3060A, 7199	T	
460-4872-A-27	0916286-AB03947	3060A, 7199	T	
460-4872-A-28	0916287-AB03948	3060A, 7199	T	
460-4872-A-29	0916288-AB03949	3060A, 7199	T	
460-4872-A-30	0916289-AB03950	3060A, 7199	T	
460-4872-A-21~PDS		3060A, 7199	T	

Batch Comment:

AFTER 30 MINUTES:

General Chemistry Worksheet

Batch Number: 460-15061
Method: 7199
Analyst: Parillo, Jasmine

Date Open: Aug 20 2009 3:32PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	Initial pH	WThcrIM5_00019	WThcrIM6_00017
0~ppb							
5~ppb							
10~ppb							
25~ppb							
50~ppb							
ICV~460-15061/6		7199		100 mL			2.5 mL
ICB~460-15061/7		7199					
MB~460-14799/1-A~^10		7199			9.05		
MB~460-14799/1-A~^10					9.05		
LCS~460-14799/2-A~^10					9.49		
LCS~460-14799/2-A~^10		7199			9.49		
LCSI~460-14799/3-A~^500					9.22		
LCSI~460-14799/3-A~^500		7199			9.22		
460-4872-A-1-A~DU~^10	0916260-AB03921		T		9.27		
460-4872-A-1-A~DU~^10	0916260-AB03921		T		9.27		
460-4872-A-1-B~MS~^40	0916260-AB03921		T		9.15		
460-4872-A-1-B~MS~^40	0916260-AB03921	7199	T		9.15		
CCV~460-15061/18		7199		100 mL			2.5 mL
CCB~460-15061/19		7199					
460-4872-A-1-C~MSI~^500		7199	T		9.26		
460-4872-A-1-C~MSI~^500			T		9.26		
460-4872-A-1-D~^10	0916260-AB03921		T		9.40		
460-4872-A-1-D~^10	0916260-AB03921		T		9.40		
460-4872-A-2-A~^10	0916261-AB03922		T		9.02		
460-4872-A-2-A~^10	0916261-AB03922	7199	T		9.02		

General Chemistry Worksheet

Batch Number: 460-15061
Method: 7199
Analyst: Parillo, Jasmine

Date Open: Aug 20 2009 3:32PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	Initial pH	WThcrIM5_00019	WThcrIM6_00017
460-4872-A-3-A~^10	0916262-AB03923		T		9.28		
460-4872-A-3-A~^10	0916262-AB03923		T		9.28		
460-4872-A-4-A~^10	0916263-AB03924		T		9.40		
460-4872-A-4-A~^10	0916263-AB03924		T		9.40		
CCV~460-15061/30		7199		100 mL			2.5 mL
CCB~460-15061/31		7199					
460-4872-A-5-A~^10	0916264-AB03925		T		9.03		
460-4872-A-5-A~^10	0916264-AB03925		T		9.03		
460-4872-A-6-A~^10	0916265-AB03926		T		9.28		
460-4872-A-6-A~^10	0916265-AB03926		T		9.28		
460-4872-A-7-A~^10	0916266-AB03927		T		9.33		
460-4872-A-7-A~^10	0916266-AB03927		T		9.33		
460-4872-A-8-A~^10	0916267-AB03928		T		9.09		
460-4872-A-8-A~^10	0916267-AB03928		T		9.09		
460-4872-A-9-A~^10	0916268-AB03929	7199	T		9.12		
460-4872-A-9-A~^10	0916268-AB03929		T		9.12		
CCV~460-15061/42		7199		100 mL			2.5 mL
CCB~460-15061/43		7199					
460-4872-A-10-A~^10	0916269-AB03930	7199	T		9.46		
460-4872-A-10-A~^10	0916269-AB03930		T		9.46		
460-4872-A-11-A~^10	0916270-AB03931		T		9.07		
460-4872-A-11-A~^10	0916270-AB03931		T		9.07		
460-4872-A-12-A~^10	0916271-AB03932		T		9.04		
460-4872-A-12-A~^10	0916271-AB03932		T		9.04		
460-4872-A-13-A~^10	0916272-AB03933		T		9.06		

General Chemistry Worksheet

Batch Number: 460-15061
Method: 7199
Analyst: Parillo, Jasmine

Date Open: Aug 20 2009 3:32PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	Initial pH	WThcrIM5_00019	WThcrIM6_00017
460-4872-A-13-A~^10	0916272-AB03933		T		9.06		
460-4872-A-14-A~^10	0916273-AB03934		T		9.24		
460-4872-A-14-A~^10	0916273-AB03934		T		9.24		
CCV~460-15061/54		7199		100 mL			2.5 mL
CCB~460-15061/55		7199					
460-4872-A-15-A~^10	0916274-AB03935		T		9.35		
460-4872-A-15-A~^10	0916274-AB03935		T		9.35		
460-4872-A-15-B~DU~^10	0916274-AB03935		T		9.22		
460-4872-A-15-B~DU~^10	0916274-AB03935		T		9.22		
460-4872-A-16-A~^10	0916275-AB03936		T		9.08		
460-4872-A-16-A~^10	0916275-AB03936		T		9.08		
460-4872-A-17-A~^10	0916276-AB03937		T		9.05		
460-4872-A-17-A~^10	0916276-AB03937		T		9.05		
460-4872-A-18-A~^10	0916277-AB03938		T		9.44		
460-4872-A-18-A~^10	0916277-AB03938		T		9.44		
CCV~460-15061/66				100 mL			2.5 mL
CCB~460-15061/67							
460-4872-A-19-A~^10	0916278-AB03939		T		9.19		
460-4872-A-20-A~^10	0916279-AB03940		T		9.16		
460-4872-A-20-A~^10	0916279-AB03940		T		9.16		
460-4872-A-1-E~PDS			T	50 mL	9.40	1.25 mL	
460-4872-A-1-E~PDS			T	50 mL	9.40	1.25 mL	
MB~460-14810/1-A~^10					9.32		
MB~460-14810/1-A~^10					9.32		
LCS~460-14810/2-A~^10					9.30		

General Chemistry Worksheet

Batch Number: 460-15061
Method: 7199
Analyst: Parillo, Jasmine

Date Open: Aug 20 2009 3:32PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	Initial pH	WThcrIM5_00019	WThcrIM6_00017
LCS~460-14810/2-A~^10					9.30		
LCSI~460-14810/3-A~^500					9.27		
CCV~460-15061/78				100 mL			2.5 mL
CCB~460-15061/79							
460-4810-A-2-A~DU~^10	SDSW-1A		T		9.05		
460-4810-A-2-A~DU~^10	SDSW-1A		T		9.05		
460-4810-A-2-B~MS~^40	SDW-1AMS		T		9.44		
460-4810-A-2-B~MS~^40	SDW-1AMS		T		9.44		
460-4810-A-2-C~MSI~^500			T		9.35		
460-4810-A-2-C~MSI~^500			T		9.35		
460-4810-A-2-D~^10	SDSW-1A		T		9.20		
460-4810-A-2-D~^10	SDSW-1A		T		9.20		
460-4810-A-6-A~^10	SDSW-6A		T		9.38		
460-4810-A-6-A~^10	SDSW-6A		T		9.38		
CCV~460-15061/90				100 mL			2.5 mL
CCB~460-15061/91							
460-4810-A-2-E~PDS			T	50 mL	9.20	1.25 mL	
460-4810-A-2-E~PDS			T	50 mL	9.20	1.25 mL	
460-4872-A-19-A	0916278-AB03939		T		9.19		
LCSI~460-14810/3-A~^500					9.27		
CCV~460-15061/96				100 mL			2.5 mL
CCB~460-15061/97							

Filter Lot #: Nalgene Lot# 1000360
Buffer Lot #: 0604-09 exp: 2/18/10
pH Meter ID: D
Eluent 1 Lot: 0603-09 exp: 8/25/09
Post Column Reagent Lot: 0602-09 exp: 8/23/09

General Chemistry Worksheet

Batch Number: 460-15061
Method: 7199
Analyst: Parillo, Jasmine

Date Open: Aug 20 2009 3:32PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
0~ppb				
5~ppb				
10~ppb				
25~ppb				
50~ppb				
ICV~460-15061/6		7199		
ICB~460-15061/7		7199		
MB~460-14799/1-A~^10		7199		Initial pH= pH result (between 9 and 9.5) after adjustment with 1:1 HNO3
MB~460-14799/1-A~^10				
LCS~460-14799/2-A~^10				
LCS~460-14799/2-A~^10		7199		
LCSI~460-14799/3-A~^500				
LCSI~460-14799/3-A~^500		7199		Digestate description below:
460-4872-A-1-A~DU~^10	0916260-AB03921		T	; see rerun dark brown
460-4872-A-1-A~DU~^10	0916260-AB03921		T	over curve; see rerun
460-4872-A-1-B~MS~^40	0916260-AB03921		T	dark brown
460-4872-A-1-B~MS~^40	0916260-AB03921	7199	T	
CCV~460-15061/18		7199		
CCB~460-15061/19		7199		
460-4872-A-1-C~MSI~^500		7199	T	dark brown
460-4872-A-1-C~MSI~^500			T	
460-4872-A-1-D~^10	0916260-AB03921		T	; see rerun dark brown
460-4872-A-1-D~^10	0916260-AB03921		T	over curve; see rerun
460-4872-A-2-A~^10	0916261-AB03922		T	dark brown
460-4872-A-2-A~^10	0916261-AB03922	7199	T	

General Chemistry Worksheet

Batch Number: 460-15061
Method: 7199
Analyst: Parillo, Jasmine

Date Open: Aug 20 2009 3:32PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
460-4872-A-3-A~^10	0916262-AB03923		T	; see rerun dark brown
460-4872-A-3-A~^10	0916262-AB03923		T	over curve; see rerun
460-4872-A-4-A~^10	0916263-AB03924		T	; see rerun dark brown
460-4872-A-4-A~^10	0916263-AB03924		T	over curve; see rerun
CCV~460-15061/30		7199		
CCB~460-15061/31		7199		
460-4872-A-5-A~^10	0916264-AB03925		T	; see rerun dark brown
460-4872-A-5-A~^10	0916264-AB03925		T	over curve; see rerun
460-4872-A-6-A~^10	0916265-AB03926		T	; see rerun dark brown
460-4872-A-6-A~^10	0916265-AB03926		T	over curve; see rerun
460-4872-A-7-A~^10	0916266-AB03927		T	; see rerun dark brown
460-4872-A-7-A~^10	0916266-AB03927		T	over curve; see rerun
460-4872-A-8-A~^10	0916267-AB03928		T	; see rerun dark brown
460-4872-A-8-A~^10	0916267-AB03928		T	over curve; see rerun
460-4872-A-9-A~^10	0916268-AB03929	7199	T	dark brown
460-4872-A-9-A~^10	0916268-AB03929		T	
CCV~460-15061/42		7199		
CCB~460-15061/43		7199		
460-4872-A-10-A~^10	0916269-AB03930	7199	T	dark brown
460-4872-A-10-A~^10	0916269-AB03930		T	
460-4872-A-11-A~^10	0916270-AB03931		T	; see rerun dark brown
460-4872-A-11-A~^10	0916270-AB03931		T	over curve; see rerun
460-4872-A-12-A~^10	0916271-AB03932		T	; see rerun dark brown
460-4872-A-12-A~^10	0916271-AB03932		T	over curve; see rerun
460-4872-A-13-A~^10	0916272-AB03933		T	; see rerun dark brown

General Chemistry Worksheet

Batch Number: 460-15061
Method: 7199
Analyst: Parillo, Jasmine

Date Open: Aug 20 2009 3:32PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
460-4872-A-13-A~^10	0916272-AB03933		T	over curve; see rerun
460-4872-A-14-A~^10	0916273-AB03934		T	ɜ; see rerun dark brown
460-4872-A-14-A~^10	0916273-AB03934		T	over curve; see rerun
CCV~460-15061/54		7199		
CCB~460-15061/55		7199		
460-4872-A-15-A~^10	0916274-AB03935		T	ɜ; see rerun dark brown
460-4872-A-15-A~^10	0916274-AB03935		T	over curve; see rerun
460-4872-A-15-B~DU~^10	0916274-AB03935		T	ɜ; see rerun dark brown
460-4872-A-15-B~DU~^10	0916274-AB03935		T	over curve; see rerun
460-4872-A-16-A~^10	0916275-AB03936		T	ɜ; see rerun dark brown
460-4872-A-16-A~^10	0916275-AB03936		T	over curve; see rerun
460-4872-A-17-A~^10	0916276-AB03937		T	ɜ; see rerun dark brown
460-4872-A-17-A~^10	0916276-AB03937		T	over curve; see rerun
460-4872-A-18-A~^10	0916277-AB03938		T	ɜ; see rerun dark brown
460-4872-A-18-A~^10	0916277-AB03938		T	over curve; see rerun
CCV~460-15061/66				
CCB~460-15061/67				
460-4872-A-19-A~^10	0916278-AB03939		T	ɜ; see rerun dark brown
460-4872-A-20-A~^10	0916279-AB03940		T	ɜ; see rerun dark brown
460-4872-A-20-A~^10	0916279-AB03940		T	over curve; see rerun
460-4872-A-1-E~PDS			T	PDS needs to be done at 2x the sample result. See redo on batch 15062
460-4872-A-1-E~PDS			T	PDS needs to be done at 2x the sample result. See redo on batch 15062
MB~460-14810/1-A~^10				

General Chemistry Worksheet

Batch Number: 460-15061

Method: 7199

Analyst: Parillo, Jasmine

Date Open: Aug 20 2009 3:32PM

Batch End:

MB~460-14810/1-A~
^10
LCS~460-14810/2-A
~^10

General Chemistry Worksheet

Batch Number: 460-15061
Method: 7199
Analyst: Parillo, Jasmine

Date Open: Aug 20 2009 3:32PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
LCS~460-14810/2-A~^10				
LCSI~460-14810/3-A~^500				
CCV~460-15061/78				
CCB~460-15061/79				
460-4810-A-2-A~DU~^10	SDSW-1A		T	brown
460-4810-A-2-A~DU~^10	SDSW-1A		T	
460-4810-A-2-B~MS~^40	SDW-1AMS		T	brown
460-4810-A-2-B~MS~^40	SDW-1AMS		T	
460-4810-A-2-C~MSI~^500			T	brown
460-4810-A-2-C~MSI~^500			T	
460-4810-A-2-D~^10	SDSW-1A		T	brown
460-4810-A-2-D~^10	SDSW-1A		T	
460-4810-A-6-A~^10	SDSW-6A		T	medium brown
460-4810-A-6-A~^10	SDSW-6A		T	
CCV~460-15061/90				
CCB~460-15061/91				
460-4810-A-2-E~PDS			T	PDS needs to be done at 2x the sample result. See redo on batch 15062.
460-4810-A-2-E~PDS			T	PDS needs to be done at 2x the sample result. See redo on batch 15062.
460-4872-A-19-A	0916278-AB03939		T	
LCSI~460-14810/3-A~^500				
CCV~460-15061/96				
CCB~460-15061/97				

Batch Comment:

Curve: IC (0765-0770) 09 exp: 8/20/09

General Chemistry Worksheet

Batch Number: 460-15062
Method: 7199
Analyst: Parillo, Jasmine

Date Open: Aug 21 2009 12:10PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	Initial pH	WThcrIM5_00020	WThcrIM6_00018
0~ppb							
5~ppb							
10~ppb							
25~ppb							
50~ppb							
ICV~460-15062/6		7199		100 mL			2.5 mL
ICB~460-15062/7		7199					
MB~460-14799/1-A~^10					9.05		
MB~460-14799/1-A~^10					9.05		
LCS~460-14799/2-A~^10					9.49		
LCS~460-14799/2-A~^10					9.49		
LCSI~460-14799/3-A~^500					9.22		
LCSI~460-14799/3-A~^500					9.22		
460-4872-A-1-A~DU~^20	0916260-AB03921		T		9.27		
460-4872-A-1-A~DU~^20	0916260-AB03921	7199			9.27		
460-4872-A-1-D~^20	0916260-AB03921		T		9.40		
460-4872-A-1-D~^20	0916260-AB03921	7199	T		9.40		
CCV~460-15062/18		7199		100 mL			2.5 mL
CCB~460-15062/19		7199					
460-4872-A-3-A~^20	0916262-AB03923	7199	T		9.28		
460-4872-A-3-A~^20	0916262-AB03923		T		9.28		
460-4872-A-4-A~^20	0916263-AB03924		T		9.40		
460-4872-A-4-A~^20	0916263-AB03924	7199	T		9.40		
460-4872-A-5-A~^20	0916264-AB03925	7199	T		9.03		
460-4872-A-5-A~^20	0916264-AB03925		T		9.03		

General Chemistry Worksheet

Batch Number: 460-15062
Method: 7199
Analyst: Parillo, Jasmine

Date Open: Aug 21 2009 12:10PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	Initial pH	WThcrIM5_00020	WThcrIM6_00018
460-4872-A-6-A~^20	0916265-AB03926	7199	T		9.28		
460-4872-A-6-A~^20	0916265-AB03926		T		9.28		
460-4872-A-7-A~^20	0916266-AB03927	7199	T		9.33		
460-4872-A-7-A~^20	0916266-AB03927		T		9.33		
CCV~460-15062/30		7199		100 mL			2.5 mL
CCB~460-15062/31		7199					
460-4872-A-8-A~^20	0916267-AB03928	7199	T		9.09		
460-4872-A-8-A~^20	0916267-AB03928		T		9.09		
460-4872-A-9-A~^50	0916268-AB03929		T		9.12		
460-4872-A-9-A~^50	0916268-AB03929		T		9.12		
460-4872-A-12-A~^40	0916271-AB03932	7199	T		9.04		
460-4872-A-12-A~^40	0916271-AB03932		T		9.04		
460-4872-A-13-A~^20	0916272-AB03933	7199	T		9.06		
460-4872-A-13-A~^20	0916272-AB03933		T		9.06		
460-4872-A-14-A~^50	0916273-AB03934	7199	T		9.24		
460-4872-A-14-A~^50	0916273-AB03934		T		9.24		
CCV~460-15062/42		7199		100 mL			2.5 mL
CCB~460-15062/43		7199					
460-4872-A-15-A~^50	0916274-AB03935		T		9.35		
460-4872-A-15-A~^50	0916274-AB03935	7199	T		9.35		
460-4872-A-15-B~DU~^50	0916274-AB03935		T		9.22		
460-4872-A-15-B~DU~^50	0916274-AB03935	7199			9.22		
460-4872-A-16-A~^40	0916275-AB03936		T		9.08		
460-4872-A-16-A~^40	0916275-AB03936	7199	T		9.08		
460-4872-A-17-A~^20	0916276-AB03937		T		9.05		

General Chemistry Worksheet

Batch Number: 460-15062
Method: 7199
Analyst: Parillo, Jasmine

Date Open: Aug 21 2009 12:10PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	Initial pH	WThcrIM5_00020	WThcrIM6_00018
460-4872-A-17-A~^20	0916276-AB03937	7199	T		9.05		
460-4872-A-18-A~^50	0916277-AB03938	7199	T		9.44		
460-4872-A-18-A~^50	0916277-AB03938		T		9.44		
CCV~460-15062/54		7199		100 mL			2.5 mL
CCB~460-15062/55		7199					
460-4872-A-19-A~^40	0916278-AB03939		T		9.19		
460-4872-A-19-A~^40	0916278-AB03939	7199	T		9.19		
460-4872-A-20-A~^50	0916279-AB03940	7199	T		9.26		
460-4872-A-20-A~^50	0916279-AB03940		T		9.26		
460-4872-A-11-A~^50	0916270-AB03931		T		9.07		
460-4872-A-11-A~^50	0916270-AB03931	7199	T		9.07		
460-4872-A-1-E~PDS			T	50 mL	9.40	1.64 mL	
460-4872-A-1-E~PDS			T	50 mL	9.40	1.64 mL	
460-4810-A-2-E~PDS~^20			T	50 mL	9.20	1.36 mL	
460-4810-A-2-E~PDS~^20			T	50 mL	9.20	1.36 mL	
CCV~460-15062/66		7199		100 mL			2.5 mL
CCB~460-15062/67		7199					
MB~460-14913/1-A~^10					9.35		
MB~460-14913/1-A~^10					9.35		
LCS~460-14913/2-A~^10					9.25		
LCS~460-14913/2-A~^10					9.25		
LCSI~460-14913/3-A~^500					9.11		
LCSI~460-14913/3-A~^500					9.11		
460-4872-A-21-A~DU~^10	0916280-AB03941		T		9.40		
460-4872-A-21-A~DU~^10	0916280-AB03941		T		9.40		

General Chemistry Worksheet

Batch Number: 460-15062
Method: 7199
Analyst: Parillo, Jasmine

Date Open: Aug 21 2009 12:10PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	Initial pH	WThcrIM5_00020	WThcrIM6_00018
460-4872-A-21-B~MS~^40			T		9.29		
460-4872-A-21-B~MS~^40			T		9.29		
CCV~460-15062/78				100 mL			2.5 mL
CCB~460-15062/79							
460-4872-A-21-C~MSI~^500			T		9.43		
460-4872-A-21-C~MSI~^500			T		9.43		
460-4872-A-21-D~^10	0916280-AB03941		T		9.04		
460-4872-A-21-D~^10	0916280-AB03941		T		9.04		
460-4872-A-22-A~^10	0916281-AB03942		T		9.42		
460-4872-A-22-A~^10	0916281-AB03942		T		9.42		
460-4872-A-23-A~^10	0916282-AB03943		T		9.03		
460-4872-A-23-A~^10	0916282-AB03943		T		9.03		
460-4872-A-24-A~^10	0916283-AB03944		T		9.11		
460-4872-A-24-A~^10	0916283-AB03944		T		9.11		
CCV~460-15062/90				100 mL			2.5 mL
CCB~460-15062/91							
460-4872-A-25-A~^10	0916284-AB03945		T		9.39		
460-4872-A-25-A~^10	0916284-AB03945		T		9.39		
460-4872-A-26-A~^10	0916285-AB03946		T		9.20		
460-4872-A-26-A~^10	0916285-AB03946		T		9.20		
460-4872-A-27-A~^10	0916286-AB03947		T		9.01		
460-4872-A-27-A~^10	0916286-AB03947		T		9.01		
460-4872-A-28-A~^10	0916287-AB03948		T		9.16		
460-4872-A-28-A~^10	0916287-AB03948		T		9.16		
460-4872-A-29-A~^10	0916288-AB03949		T		9.03		

General Chemistry Worksheet

Batch Number: 460-15062
Method: 7199
Analyst: Parillo, Jasmine

Date Open: Aug 21 2009 12:10PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	Initial pH	WThcrIM5_00020	WThcrIM6_00018
460-4872-A-29-A~^10	0916288-AB03949		T		9.03		
CCV~460-15062/102				100 mL			2.5 mL
CCB~460-15062/103							
460-4872-A-30-A~^10	0916289-AB03950		T		9.30		
460-4872-A-30-A~^10	0916289-AB03950		T		9.30		
CCV~460-15062/106				100 mL			2.5 mL
CCB~460-15062/107							

Filter Lot #: Nalgene Lot# 1000360
Buffer Lot #: 0604-09 exp: 2/18/10
pH Meter ID: D
Eluent 1 Lot: 0603-09 exp: 8/25/09
Post Column Reagent Lot: 0605-09 exp: 8/26/09

General Chemistry Worksheet

Batch Number: 460-15062
Method: 7199
Analyst: Parillo, Jasmine

Date Open: Aug 21 2009 12:10PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
0~ppb				
5~ppb				
10~ppb				
25~ppb				
50~ppb				
ICV~460-15062/6		7199		
ICB~460-15062/7		7199		
MB~460-14799/1-A~^10				The MB, LCS and LCSI run here do not need to be reported. Samples will be linked to QA on batch 15061
MB~460-14799/1-A~^10				Initial pH= pH in SU (between 9 and 9.5) after adjustment with 1:1 HNO3
LCS~460-14799/2-A~^10				
LCS~460-14799/2-A~^10				
LCSI~460-14799/3-A~^500				
LCSI~460-14799/3-A~^500				Digestate description is below:
460-4872-A-1-A~DU~^20	0916260-AB03921		T	dark brown
460-4872-A-1-A~DU~^20	0916260-AB03921	7199		
460-4872-A-1-D~^20	0916260-AB03921		T	dark brown
460-4872-A-1-D~^20	0916260-AB03921	7199	T	
CCV~460-15062/18		7199		
CCB~460-15062/19		7199		
460-4872-A-3-A~^20	0916262-AB03923	7199	T	dark brown
460-4872-A-3-A~^20	0916262-AB03923		T	
460-4872-A-4-A~^20	0916263-AB03924		T	dark brown
460-4872-A-4-A~^20	0916263-AB03924	7199	T	
460-4872-A-5-A~^20	0916264-AB03925	7199	T	dark brown
460-4872-A-5-A~^20	0916264-AB03925		T	

General Chemistry Worksheet

Batch Number: 460-15062
Method: 7199
Analyst: Parillo, Jasmine

Date Open: Aug 21 2009 12:10PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
460-4872-A-6-A~^20	0916265-AB03926	7199	T	dark brown
460-4872-A-6-A~^20	0916265-AB03926		T	
460-4872-A-7-A~^20	0916266-AB03927	7199	T	dark brown
460-4872-A-7-A~^20	0916266-AB03927		T	
CCV~460-15062/30		7199		
CCB~460-15062/31		7199		
460-4872-A-8-A~^20	0916267-AB03928	7199	T	dark brown
460-4872-A-8-A~^20	0916267-AB03928		T	
460-4872-A-9-A~^50	0916268-AB03929		T	dilution not needed; result will be accepted from batch 15061 dark brown
460-4872-A-9-A~^50	0916268-AB03929		T	
460-4872-A-12-A~^40	0916271-AB03932	7199	T	dark brown
460-4872-A-12-A~^40	0916271-AB03932		T	
460-4872-A-13-A~^20	0916272-AB03933	7199	T	dark brown
460-4872-A-13-A~^20	0916272-AB03933		T	
460-4872-A-14-A~^50	0916273-AB03934	7199	T	dark brown
460-4872-A-14-A~^50	0916273-AB03934		T	
CCV~460-15062/42		7199		
CCB~460-15062/43		7199		
460-4872-A-15-A~^50	0916274-AB03935		T	dark brown
460-4872-A-15-A~^50	0916274-AB03935	7199	T	
460-4872-A-15-B~DU~^50	0916274-AB03935		T	dark brown
460-4872-A-15-B~DU~^50	0916274-AB03935	7199		
460-4872-A-16-A~^40	0916275-AB03936		T	dark brown
460-4872-A-16-A~^40	0916275-AB03936	7199	T	
460-4872-A-17-A~^20	0916276-AB03937		T	dark brown

General Chemistry Worksheet

Batch Number: 460-15062
Method: 7199
Analyst: Parillo, Jasmine

Date Open: Aug 21 2009 12:10PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
460-4872-A-17-A~^20	0916276-AB03937	7199	T	
460-4872-A-18-A~^50	0916277-AB03938	7199	T	dark brown
460-4872-A-18-A~^50	0916277-AB03938		T	
CCV~460-15062/54		7199		
CCB~460-15062/55		7199		
460-4872-A-19-A~^40	0916278-AB03939		T	dark brown
460-4872-A-19-A~^40	0916278-AB03939	7199	T	
460-4872-A-20-A~^50	0916279-AB03940	7199	T	dark brown
460-4872-A-20-A~^50	0916279-AB03940		T	
460-4872-A-11-A~^50	0916270-AB03931		T	dark brown
460-4872-A-11-A~^50	0916270-AB03931	7199	T	
460-4872-A-1-E~PDS			T	
460-4872-A-1-E~PDS			T	PDS over curve, will be redone on another run
460-4810-A-2-E~PDS~^20			T	
460-4810-A-2-E~PDS~^20			T	
CCV~460-15062/66		7199		
CCB~460-15062/67		7199		
MB~460-14913/1-A~^10				Prep batch 14913 will be rerun in full. LCSI was high-suspect bad dilution-and CCV in lines 102 and 106 fail low
MB~460-14913/1-A~^10				
LCS~460-14913/2-A~^10				
LCS~460-14913/2-A~^10				
LCSI~460-14913/3-A~^500				
LCSI~460-14913/3-A~^500				

General Chemistry Worksheet

Batch Number: 460-15062

Method: 7199

Analyst: Parillo, Jasmine

Date Open: Aug 21 2009 12:10PM

Batch End:

460-4872-A-21-A~D U~^10	0916280-AB03941	T	dark brown
460-4872-A-21-A~D U~^10	0916280-AB03941	T	

General Chemistry Worksheet

Batch Number: 460-15062
Method: 7199
Analyst: Parillo, Jasmine

Date Open: Aug 21 2009 12:10PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
460-4872-A-21-B~MS~^40			T	dark brown
460-4872-A-21-B~MS~^40			T	
CCV~460-15062/78				
CCB~460-15062/79				
460-4872-A-21-C~MSI~^500			T	dark brown
460-4872-A-21-C~MSI~^500			T	
460-4872-A-21-D~^10	0916280-AB03941		T	dark brown
460-4872-A-21-D~^10	0916280-AB03941		T	
460-4872-A-22-A~^10	0916281-AB03942		T	dark brown
460-4872-A-22-A~^10	0916281-AB03942		T	
460-4872-A-23-A~^10	0916282-AB03943		T	dark brown
460-4872-A-23-A~^10	0916282-AB03943		T	
460-4872-A-24-A~^10	0916283-AB03944		T	dark brown
460-4872-A-24-A~^10	0916283-AB03944		T	
CCV~460-15062/90				
CCB~460-15062/91				
460-4872-A-25-A~^10	0916284-AB03945		T	dark brown
460-4872-A-25-A~^10	0916284-AB03945		T	
460-4872-A-26-A~^10	0916285-AB03946		T	dark brown
460-4872-A-26-A~^10	0916285-AB03946		T	
460-4872-A-27-A~^10	0916286-AB03947		T	dark brown
460-4872-A-27-A~^10	0916286-AB03947		T	
460-4872-A-28-A~^10	0916287-AB03948		T	dark brown
460-4872-A-28-A~^10	0916287-AB03948		T	
460-4872-A-29-A~^10	0916288-AB03949		T	dark brown

General Chemistry Worksheet

Batch Number: 460-15062
Method: 7199
Analyst: Parillo, Jasmine

Date Open: Aug 21 2009 12:10PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Analysis comment	Comments
460-4872-A-29-A~^10	0916288-AB03949		T		
CCV~460-15062/102					
CCB~460-15062/103					
460-4872-A-30-A~^10	0916289-AB03950		T	dark brown	
460-4872-A-30-A~^10	0916289-AB03950		T		
CCV~460-15062/106					
CCB~460-15062/107					

Batch Comment:

Curve: IC (0771-0776) 09 exp: 8/21/09

General Chemistry Worksheet

Batch Number: 460-15125
Method: 7199
Analyst: Earomirski, Laura

Date Open: Aug 24 2009 3:57PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	Initial pH	WThcrIM5_00021	WThcrIM6_00019
0~ppb							
5~ppb							
10~ppb							
25~ppb							
50~ppb							
ICV~460-15125/6		7199		100 mL			2.5 mL
ICB~460-15125/7		7199					
MB~460-14799/1-A~^10					9.05		
MB~460-14799/1-A~^10					9.05		
LCS~460-14799/2-A~^10					9.49		
LCS~460-14799/2-A~^10					9.49		
LCSI~460-14799/3-A~^500					9.22		
LCSI~460-14799/3-A~^500					9.22		
460-4872-A-1-E~PDS~^100			T	50 mL	9.40	0.657 mL	
460-4872-A-1-E~PDS~^100		7199	T	50 mL	9.40	0.657 mL	
MB~460-14913/1-A					9.35		
MB~460-14913/1-A		7199			9.35		
CCV~460-15125/18		7199		100 mL			2.5 mL
CCB~460-15125/19		7199					
LCS~460-14913/2-A~^10		7199			9.25		
LCS~460-14913/2-A~^10					9.25		
LCSI~460-14913/3-A~^500		7199			9.11		
LCSI~460-14913/3-A~^500					9.11		
460-4872-A-21-A~DU~^10	0916280-AB03941		T		9.40		
460-4872-A-21-A~DU~^10	0916280-AB03941	7199	T		9.40		

General Chemistry Worksheet

Batch Number: 460-15125
Method: 7199
Analyst: Earomirski, Laura

Date Open: Aug 24 2009 3:57PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	Initial pH	WThcrIM5_00021	WThcrIM6_00019
460-4872-A-21-B~MS~^40			T		9.29		
460-4872-A-21-B~MS~^40		7199	T		9.29		
460-4872-A-21-C~MSI~^500			T		9.43		
460-4872-A-21-C~MSI~^500		7199	T		9.43		
CCV~460-15125/30		7199		100 mL			2.5 mL
CCB~460-15125/31		7199					
460-4872-A-21-D~^10	0916280-AB03941	7199	T		9.04		
460-4872-A-21-D~^10	0916280-AB03941		T		9.04		
460-4872-A-22-A~^10	0916281-AB03942		T		9.42		
460-4872-A-22-A~^10	0916281-AB03942		T		9.42		
460-4872-A-23-A~^10	0916282-AB03943	7199	T		9.03		
460-4872-A-23-A~^10	0916282-AB03943		T		9.03		
460-4872-A-24-A~^10	0916283-AB03944		T		9.11		
460-4872-A-24-A~^10	0916283-AB03944		T		9.11		
460-4872-A-25-A~^10	0916284-AB03945		T		9.39		
460-4872-A-25-A~^10	0916284-AB03945	7199	T		9.39		
CCV~460-15125/42		7199		100 mL			2.5 mL
CCB~460-15125/43		7199					
460-4872-A-26-A~^10	0916285-AB03946		T		9.20		
460-4872-A-26-A~^10	0916285-AB03946		T		9.20		
460-4872-A-27-A~^10	0916286-AB03947		T		9.01		
460-4872-A-27-A~^10	0916286-AB03947		T		9.01		
460-4872-A-28-A~^10	0916287-AB03948		T		9.16		
460-4872-A-28-A~^10	0916287-AB03948		T		9.16		
460-4872-A-29-A~^10	0916288-AB03949		T		9.03		

General Chemistry Worksheet

Batch Number: 460-15125
Method: 7199
Analyst: Earomirski, Laura

Date Open: Aug 24 2009 3:57PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	Initial pH	WThcrIM5_00021	WThcrIM6_00019
460-4872-A-29-A~^10	0916288-AB03949		T		9.03		
460-4872-A-30-A~^10	0916289-AB03950		T		9.30		
460-4872-A-30-A~^10	0916289-AB03950		T		9.30		
CCV~460-15125/54				100 mL			2.5 mL
CCB~460-15125/55							
460-4872-A-21-E~PDS~^40			T	50 mL	9.04	1.25 mL	
460-4872-A-21-E~PDS~^40			T	50 mL	9.04	1.25 mL	
460-4872-A-24-A~^20	0916283-AB03944		T		9.11		
460-4872-A-24-A~^20	0916283-AB03944		T		9.11		
460-4872-A-22-A~^40	0916281-AB03942		T		9.42		
460-4872-A-22-A~^40	0916281-AB03942		T		9.42		
CCV~460-15125/62				100 mL			2.5 mL
CCB~460-15125/63							

Filter Lot #: Nalgene Lot# 1000360
Buffer Lot #: 0604-09 exp: 2/18/10
pH Meter ID: D
Eluent 1 Lot: 0606-09 exp: 8/31/09
Post Column Reagent Lot: 0605-09 exp: 8/26/09

General Chemistry Worksheet

Batch Number: 460-15125
Method: 7199
Analyst: Earomirski, Laura

Date Open: Aug 24 2009 3:57PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
0~ppb				
5~ppb				
10~ppb				
25~ppb				
50~ppb				
ICV~460-15125/6		7199		Initial pH=pH in SU (between 9 and 9.5) after adjustment with 1:1 HNO3
ICB~460-15125/7		7199		
MB~460-14799/1-A~^10				MB, LCS and LCSI run to confirm only; not reporting from this run
MB~460-14799/1-A~^10				MB, LCS and LCSI run to confirm only; not reporting from this run
LCS~460-14799/2-A~^10				MB, LCS and LCSI run to confirm only; not reporting from this run
LCS~460-14799/2-A~^10				MB, LCS and LCSI run to confirm only; not reporting from this run
LCSI~460-14799/3-A~^500				MB, LCS and LCSI run to confirm only; not reporting from this run
LCSI~460-14799/3-A~^500				MB, LCS and LCSI run to confirm only; not reporting from this run
460-4872-A-1-E~PDS~^100			T	Digestate description is below:
460-4872-A-1-E~PDS~^100		7199	T	dark brown
MB~460-14913/1-A				
MB~460-14913/1-A		7199		
CCV~460-15125/18		7199		
CCB~460-15125/19		7199		
LCS~460-14913/2-A~^10		7199		
LCS~460-14913/2-A~^10				
LCSI~460-14913/3-A~^500		7199		
LCSI~460-14913/3-A~^500				

General Chemistry Worksheet

Batch Number: 460-15125

Method: 7199

Analyst: Earomirski, Laura

Date Open: Aug 24 2009 3:57PM

Batch End:

460-4872-A-21-A~D U~^10	0916280-AB03941		T	dark brown
460-4872-A-21-A~D U~^10	0916280-AB03941	7199	T	

General Chemistry Worksheet

Batch Number: 460-15125
Method: 7199
Analyst: Earomirski, Laura

Date Open: Aug 24 2009 3:57PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
460-4872-A-21-B~MS~^40			T	dark brown
460-4872-A-21-B~MS~^40		7199	T	
460-4872-A-21-C~MSI~^500			T	dark brown
460-4872-A-21-C~MSI~^500		7199	T	
CCV~460-15125/30		7199		
CCB~460-15125/31		7199		
460-4872-A-21-D~^10	0916280-AB03941	7199	T	dark brown
460-4872-A-21-D~^10	0916280-AB03941		T	
460-4872-A-22-A~^10	0916281-AB03942		T	sample over curve; see rerun dark brown
460-4872-A-22-A~^10	0916281-AB03942		T	sample over curve; see rerun
460-4872-A-23-A~^10	0916282-AB03943	7199	T	dark brown
460-4872-A-23-A~^10	0916282-AB03943		T	
460-4872-A-24-A~^10	0916283-AB03944		T	sample over curve; see rerun dark brown
460-4872-A-24-A~^10	0916283-AB03944		T	sample over curve; see rerun
460-4872-A-25-A~^10	0916284-AB03945		T	dark brown
460-4872-A-25-A~^10	0916284-AB03945	7199	T	
CCV~460-15125/42		7199		
CCB~460-15125/43		7199		
460-4872-A-26-A~^10	0916285-AB03946		T	CCVs in line 54 and 62 fail so samples in line 54 to 61 will be rerun. dark brown
460-4872-A-26-A~^10	0916285-AB03946		T	
460-4872-A-27-A~^10	0916286-AB03947		T	dark brown
460-4872-A-27-A~^10	0916286-AB03947		T	
460-4872-A-28-A~^10	0916287-AB03948		T	dark brown

General Chemistry Worksheet

Batch Number: 460-15125

Method: 7199

Analyst: Earomirski, Laura

Date Open: Aug 24 2009 3:57PM

Batch End:

460-4872-A-28-A~^1	0916287-AB03948	T	
0			
460-4872-A-29-A~^1	0916288-AB03949	T	dark brown
0			

General Chemistry Worksheet

Batch Number: 460-15125
Method: 7199
Analyst: Earomirski, Laura

Date Open: Aug 24 2009 3:57PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
460-4872-A-29-A~^10	0916288-AB03949		T	
460-4872-A-30-A~^10	0916289-AB03950		T	dark brown
460-4872-A-30-A~^10	0916289-AB03950		T	
CCV~460-15125/54				
CCB~460-15125/55				
460-4872-A-21-E~PDS~^40			T	
460-4872-A-21-E~PDS~^40			T	
460-4872-A-24-A~^20	0916283-AB03944		T	
460-4872-A-24-A~^20	0916283-AB03944		T	
460-4872-A-22-A~^40	0916281-AB03942		T	
460-4872-A-22-A~^40	0916281-AB03942		T	
CCV~460-15125/62				
CCB~460-15125/63				

Batch Comment:

Curve: IC (0777-0782) 09 exp: 8/24/09

General Chemistry Worksheet

Batch Number: 460-15374
Method: 7199
Analyst: Earomirski, Laura

Date Open: Aug 26 2009 9:34AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	Initial pH	WThcrIM5_00023	WThcrIM6_00021
0~ppb							
5~ppb							
10~ppb							
25~ppb							
50~ppb							
ICV~460-15374/6		7199		100 mL			2.5 mL
ICB~460-15374/7		7199					
MB~460-14913/1-A~^10					9.35		
MB~460-14913/1-A~^10					9.35		
LCS~460-14913/2-A~^10					9.25		
LCS~460-14913/2-A~^10					9.25		
LCSI~460-14913/3-A~^500					9.11		
LCSI~460-14913/3-A~^500					9.11		
460-4872-A-26-A~^10	0916285-AB03946	7199	T		9.20		
460-4872-A-26-A~^10	0916285-AB03946		T		9.20		
460-4872-A-27-A~^10	0916286-AB03947	7199	T		9.01		
460-4872-A-27-A~^10	0916286-AB03947		T		9.01		
CCV~460-15374/18		7199		100 mL			2.5 mL
CCB~460-15374/19		7199					
460-4872-A-28-A~^10	0916287-AB03948		T		9.16		
460-4872-A-28-A~^10	0916287-AB03948	7199	T		9.16		
460-4872-A-29-A~^10	0916288-AB03949		T		9.03		
460-4872-A-29-A~^10	0916288-AB03949	7199	T		9.03		
460-4872-A-30-A~^10	0916289-AB03950	7199	T		9.30		
460-4872-A-30-A~^10	0916289-AB03950		T		9.30		

General Chemistry Worksheet

Batch Number: 460-15374
Method: 7199
Analyst: Earomirski, Laura

Date Open: Aug 26 2009 9:34AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	Initial pH	WThcrIM5_00023	WThcrIM6_00021
460-4872-A-22-A~^40	0916281-AB03942		T		9.42		
460-4872-A-22-A~^40	0916281-AB03942	7199	T		9.42		
460-4872-A-24-A~^20	0916283-AB03944		T		9.11		
460-4872-A-24-A~^20	0916283-AB03944	7199	T		9.11		
CCV~460-15374/30		7199		100 mL			2.5 mL
CCB~460-15374/31		7199					
460-4872-A-21-E~PDS~^40			T	50 mL	9.04	1.25 mL	
460-4872-A-21-E~PDS~^40		7199	T	50 mL	9.04	1.25 mL	
MB~460-15080/1-A~^10					9.42		
MB~460-15080/1-A~^10					9.42		
LCS~460-15080/2-A~^10					9.23		
LCS~460-15080/2-A~^10					9.23		
LCSI~460-15080/3-A~^500					9.42		
LCSI~460-15080/3-A~^500					9.42		
460-4810-A-2-F~^10	SDSW-1A		T		9.04		
460-4810-A-2-F~^10	SDSW-1A		T		9.04		
CCV~460-15374/42		7199		100 mL			2.5 mL
CCB~460-15374/43		7199					
460-4810-A-2-G~DU~^10	SDSW-1A		T		9.16		
460-4810-A-2-G~DU~^10	SDSW-1A		T		9.16		
460-4810-A-2-H~MS~^40	SDW-1AMS		T		9.30		
460-4810-A-2-H~MS~^40	SDW-1AMS		T		9.30		
460-4810-A-2-I~MSI~^500			T		9.36		
460-4810-A-2-I~MSI~^500			T		9.36		
460-4810-A-6-B~^10	SDSW-6A		T		9.30		

General Chemistry Worksheet

Batch Number: 460-15374
Method: 7199
Analyst: Earomirski, Laura

Date Open: Aug 26 2009 9:34AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	Initial pH	WThcrIM5_00023	WThcrIM6_00021
460-4810-A-6-B~^10	SDSW-6A		T		9.30		
460-4810-A-2-J~PD S~^20			T	50 mL	9.04	1.36 mL	
460-4810-A-2-J~PD S~^20			T	50 mL	9.04	1.36 mL	
CCV~460-15374/54				100 mL			2.5 mL
CCB~460-15374/55							
CCV~460-15374/56				100 mL			2.5 mL
CCB~460-15374/57							
460-4810-A-2-J~PD S~^40			T	50 mL	9.04	1.25 mL	
460-4810-A-2-J~PD S~^40			T	50 mL	9.04	1.25 mL	
CCV~460-15374/60				100 mL			2.5 mL
CCB~460-15374/61							

Filter Lot #: Nalgene Lot# 1000360
Buffer Lot #: 0604-09 exp: 2/18/10
pH Meter ID: D
Eluent 1 Lot: 0606-09 exp: 8/31/09
Post Column Reagent Lot: 0607-09 exp: 8/30/09

General Chemistry Worksheet

Batch Number: 460-15374
Method: 7199
Analyst: Earomirski, Laura

Date Open: Aug 26 2009 9:34AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
0~ppb				
5~ppb				
10~ppb				
25~ppb				
50~ppb				
ICV~460-15374/6		7199		Initial pH= pH (in SU between 9 and 9.5) after adjustment with 1:1 HNO3
ICB~460-15374/7		7199		
MB~460-14913/1-A~^10				MB, LCS and LCSI run to confirm only; samples will be linked to QA in batch 15125
MB~460-14913/1-A~^10				MB, LCS and LCSI run to confirm only; samples will be linked to QA in batch 15125
LCS~460-14913/2-A~^10				MB, LCS and LCSI run to confirm only; samples will be linked to QA in batch 15125
LCS~460-14913/2-A~^10				MB, LCS and LCSI run to confirm only; samples will be linked to QA in batch 15125
LCSI~460-14913/3-A~^500				MB, LCS and LCSI run to confirm only; samples will be linked to QA in batch 15125
LCSI~460-14913/3-A~^500				MB, LCS and LCSI run to confirm only; samples will be linked to QA in batch 15125
460-4872-A-26-A~^10	0916285-AB03946	7199	T	Digestate description is below:
460-4872-A-26-A~^10	0916285-AB03946		T	dark brown
460-4872-A-27-A~^10	0916286-AB03947	7199	T	dark brown
460-4872-A-27-A~^10	0916286-AB03947		T	
CCV~460-15374/18		7199		
CCB~460-15374/19		7199		
460-4872-A-28-A~^10	0916287-AB03948		T	dark brown

General Chemistry Worksheet

Batch Number: 460-15374

Method: 7199

Analyst: Earomirski, Laura

Date Open: Aug 26 2009 9:34AM

Batch End:

460-4872-A-28-A~^1	0916287-AB03948	7199	T	
0				
460-4872-A-29-A~^1	0916288-AB03949		T	dark brown
0				
460-4872-A-29-A~^1	0916288-AB03949	7199	T	
0				
460-4872-A-30-A~^1	0916289-AB03950	7199	T	dark brown
0				
460-4872-A-30-A~^1	0916289-AB03950		T	
0				

General Chemistry Worksheet

Batch Number: 460-15374
Method: 7199
Analyst: Earomirski, Laura

Date Open: Aug 26 2009 9:34AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
460-4872-A-22-A~^40	0916281-AB03942		T	dark brown
460-4872-A-22-A~^40	0916281-AB03942	7199	T	
460-4872-A-24-A~^20	0916283-AB03944		T	dark brown
460-4872-A-24-A~^20	0916283-AB03944	7199	T	
CCV~460-15374/30		7199		
CCB~460-15374/31		7199		
460-4872-A-21-E~PDS~^40			T	dark brown
460-4872-A-21-E~PDS~^40		7199	T	
MB~460-15080/1-A~^10				
MB~460-15080/1-A~^10				
LCS~460-15080/2-A~^10				
LCS~460-15080/2-A~^10				
LCSI~460-15080/3-A~^500				
LCSI~460-15080/3-A~^500				
460-4810-A-2-F~^10	SDSW-1A		T	brown
460-4810-A-2-F~^10	SDSW-1A		T	
CCV~460-15374/42		7199		
CCB~460-15374/43		7199		
460-4810-A-2-G~DU~^10	SDSW-1A		T	brown
460-4810-A-2-G~DU~^10	SDSW-1A		T	
460-4810-A-2-H~MS~^40	SDW-1AMS		T	brown
460-4810-A-2-H~MS~^40	SDW-1AMS		T	
460-4810-A-2-I~MSI~^500			T	brown
460-4810-A-2-I~MSI~^500			T	
460-4810-A-6-B~^10	SDSW-6A		T	medium brown

General Chemistry Worksheet

Batch Number: 460-15374
Method: 7199
Analyst: Earomirski, Laura

Date Open: Aug 26 2009 9:34AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
460-4810-A-6-B~^10	SDSW-6A		T	
460-4810-A-2-J~PDS~^20			T	PDS not spiked correctly at 40 mg/kg; see rerun at correct spike level brown
460-4810-A-2-J~PDS~^20			T	PDS not spiked correctly at 40 mg/kg; see rerun at correct spike level
CCV~460-15374/54				
CCB~460-15374/55				
CCV~460-15374/56				
CCB~460-15374/57				
460-4810-A-2-J~PDS~^40			T	brown
460-4810-A-2-J~PDS~^40			T	
CCV~460-15374/60				
CCB~460-15374/61				

Batch Comment:

Curve: IC (0789-0794) 09 exp: 8/26/09

Metals Worksheet

Batch Number: 460-15412
Method: DI Leach
Analyst: Vu, Huan

Date Open: Aug 26 2009 10:10AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	WTredoxLCS_00001
LCS~460-15412/1		DI Leach, SM 2580B		100 mL	100 mL	100 mL
460-4872-A-1	0916260-AB03921	DI Leach, SM 2580B	S	20 g	20 mL	
460-4872-A-1~DU	0916260-AB03921	DI Leach, SM 2580B	S	20 g	20 mL	
460-4872-A-2	0916261-AB03922	DI Leach, SM 2580B	S	20 g	20 mL	
460-4872-A-3	0916262-AB03923	DI Leach, SM 2580B	S	20 g	20 mL	
460-4872-A-4	0916263-AB03924	DI Leach, SM 2580B	S	20 g	20 mL	
460-4872-A-5	0916264-AB03925	DI Leach, SM 2580B	S	20 g	20 mL	
460-4872-A-6	0916265-AB03926	DI Leach, SM 2580B	S	20 g	20 mL	
460-4872-A-7	0916266-AB03927	DI Leach, SM 2580B	S	20 g	20 mL	
460-4872-A-8	0916267-AB03928	DI Leach, SM 2580B	S	20 g	20 mL	
CCV~460-15412/11		DI Leach, SM 2580B		100 mL	100 mL	100 mL
460-4872-A-9	0916268-AB03929	DI Leach, SM 2580B	S	20 g	20 mL	
460-4872-A-10	0916269-AB03930	DI Leach, SM 2580B	S	20 g	20 mL	
460-4872-A-11	0916270-AB03931	DI Leach, SM 2580B	S	20 g	20 mL	
460-4872-A-12	0916271-AB03932	DI Leach, SM 2580B	S	20 g	20 mL	
460-4872-A-13	0916272-AB03933	DI Leach, SM 2580B	S	20 g	20 mL	
460-4872-A-14	0916273-AB03934	DI Leach, SM 2580B	S	20 g	20 mL	
460-4872-A-15	0916274-AB03935	DI Leach, SM 2580B	S	20 g	20 mL	
460-4872-A-15~DU	0916274-AB03935	DI Leach, SM 2580B	S	20 g	20 mL	
460-4872-A-16	0916275-AB03936	DI Leach, SM 2580B	S	20 g	20 mL	
460-4872-A-17	0916276-AB03937	DI Leach, SM 2580B	S	20 g	20 mL	
CCV~460-15412/22		DI Leach, SM 2580B		100 mL	100 mL	100 mL
460-4872-A-18	0916277-AB03938	DI Leach, SM 2580B	S	20 g	20 mL	
460-4872-A-19	0916278-AB03939	DI Leach, SM 2580B	S	20 g	20 mL	

Metals Worksheet

Batch Number: 460-15412

Method: DI Leach

Analyst: Vu, Huan

Date Open: Aug 26 2009 10:10AM

Batch End:

460-4872-A-20	0916279-AB03940	DI Leach, SM 2580B	S	20 g	20 mL

Metals Worksheet

Batch Number: 460-15412
Method: DI Leach
Analyst: Vu, Huan

Date Open: Aug 26 2009 10:10AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	WTredoxLCS_00001
LCS~460-15412/26		DI Leach, SM 2580B		100 mL	100 mL	100 mL
460-4872-A-21	0916280-AB03941	DI Leach, SM 2580B	S	20 g	20 mL	
460-4872-A-21~DU	0916280-AB03941	DI Leach, SM 2580B	S	20 g	20 mL	
460-4872-A-22	0916281-AB03942	DI Leach, SM 2580B	S	20 g	20 mL	
460-4872-A-23	0916282-AB03943	DI Leach, SM 2580B	S	20 g	20 mL	
460-4872-A-24	0916283-AB03944	DI Leach, SM 2580B	S	20 g	20 mL	
460-4872-A-25	0916284-AB03945	DI Leach, SM 2580B	S	20 g	20 mL	
CCV~460-15412/33		DI Leach, SM 2580B		100 mL	100 mL	100 mL
460-4872-A-26	0916285-AB03946	DI Leach, SM 2580B	S	20 g	20 mL	
460-4872-A-27	0916286-AB03947	DI Leach, SM 2580B	S	20 g	20 mL	
460-4872-A-28	0916287-AB03948	DI Leach, SM 2580B	S	20 g	20 mL	
460-4872-A-29	0916288-AB03949	DI Leach, SM 2580B	S	20 g	20 mL	
460-4872-A-30	0916289-AB03950	DI Leach, SM 2580B	S	20 g	20 mL	
CCV~460-15412/39		DI Leach, SM 2580B		100 mL	100 mL	100 mL

General Chemistry Worksheet

Batch Number: 460-15507
Method: 9045C
Analyst: Yang, Xiufeng

Date Open: Aug 26 2009 3:30PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	Temperature of the sample	WTpHCCV_00004	WTpHLCS_00004
MB~460-15507/1		9045C		20 g	20 mL	22.8 Celsius		
LCS~460-15507/2		9045C		20 g	20 mL	22.4 Celsius		20 mL
460-4872-A-1	0916260-AB03921	9045C	T	20 g	20 mL	21.9 Celsius		
460-4872-A-1~DU	0916260-AB03921	9045C	T	20 g	20 mL	21.8 Celsius		
460-4872-A-2	0916261-AB03922	9045C	T	20 g	20 mL	21.8 Celsius		
460-4872-A-3	0916262-AB03923	9045C	T	20 g	20 mL	21.9 Celsius		
460-4872-A-4	0916263-AB03924	9045C	T	20 g	20 mL	21.9 Celsius		
460-4872-A-5	0916264-AB03925	9045C	T	20 g	20 mL	21.9 Celsius		
460-4872-A-6	0916265-AB03926	9045C	T	20 g	20 mL	21.9 Celsius		
460-4872-A-7	0916266-AB03927	9045C	T	20 g	20 mL	21.9 Celsius		
CCV~460-15507/11		9045C		20 g	20 mL	22.4 Celsius	20 mL	
460-4872-A-8	0916267-AB03928	9045C	T	20 g	20 mL	22.1 Celsius		
460-4872-A-9	0916268-AB03929	9045C	T	20 g	20 mL	21.9 Celsius		
460-4872-A-10	0916269-AB03930	9045C	T	20 g	20 mL	21.9 Celsius		
460-4872-A-11	0916270-AB03931	9045C	T	20 g	20 mL	22.1 Celsius		
460-4872-A-12	0916271-AB03932	9045C	T	20 g	20 mL	22.2 Celsius		
460-4872-A-13	0916272-AB03933	9045C	T	20 g	20 mL	22.2 Celsius		
460-4872-A-14	0916273-AB03934	9045C	T	20 g	20 mL	22.4 Celsius		
CCV~460-15507/19		9045C		20 g	20 mL	22.6 Celsius	20 mL	

pH Buffer 1 ID: 7.00 Fisher/085811 Exp.11/2010
pH Buffer 2 ID: 4.01 Thermo/910104 Exp.7/31/10
pH Buffer 3 ID: 10.00 Thermo/910110 Exp.8/31/10
Instrument ID: C
Balance ID: 26

General Chemistry Worksheet

Batch Number: 460-15513
Method: 9045C
Analyst: Yang, Xiufeng

Date Open: Aug 26 2009 4:00PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	Temperature of the sample	WTpHCCV_00004	WTpHLCS_00004
MB~460-15513/1		9045C		20 g	20 mL	23.2 Celsius		
LCS~460-15513/2		9045C		20 g	20 mL	22.5 Celsius		20 mL
460-4872-A-15	0916274-AB03935	9045C	T	20 g	20 mL	22.6 Celsius		
460-4872-A-15~DU	0916274-AB03935	9045C	T	20 g	20 mL	22.6 Celsius		
460-4872-A-16	0916275-AB03936	9045C	T	20 g	20 mL	22.6 Celsius		
460-4872-A-17	0916276-AB03937	9045C	T	20 g	20 mL	22.5 Celsius		
460-4872-A-18	0916277-AB03938	9045C	T	20 g	20 mL	22.5 Celsius		
460-4872-A-19	0916278-AB03939	9045C	T	20 g	20 mL	22.5 Celsius		
460-4872-A-20	0916279-AB03940	9045C	T	20 g	20 mL	22.6 Celsius		
460-4872-A-21	0916280-AB03941	9045C	T	20 g	20 mL	22.6 Celsius		
CCV~460-15513/11		9045C		20 g	20 mL	22.5 Celsius	20 mL	
460-4872-A-21~DU	0916280-AB03941	9045C	T	20 g	20 mL	22.7 Celsius		
460-4872-A-22	0916281-AB03942	9045C	T	20 g	20 mL	23.4 Celsius		
460-4872-A-23	0916282-AB03943	9045C	T	20 g	20 mL	23.5 Celsius		
460-4872-A-24	0916283-AB03944	9045C	T	20 g	20 mL	23.3 Celsius		
460-4872-A-25	0916284-AB03945	9045C	T	20 g	20 mL	23.6 Celsius		
460-4872-A-26	0916285-AB03946	9045C	T	20 g	20 mL	23.6 Celsius		
460-4872-A-27	0916286-AB03947	9045C	T	20 g	20 mL	23.4 Celsius		
460-4872-A-28	0916287-AB03948	9045C	T	20 g	20 mL	23.2 Celsius		
460-4872-A-29	0916288-AB03949	9045C	T	20 g	20 mL	22.0 Celsius		
460-4872-A-30	0916289-AB03950	9045C	T	20 g	20 mL	22.6 Celsius		
CCV~460-15513/22		9045C		20 g	20 mL	22.6 Celsius	20 mL	

pH Buffer 1 ID: 7.00 Fisher/085811 Exp.11/2010
pH Buffer 2 ID: 4.01 Thermo/910104 Exp.7/31/10
pH Buffer 3 ID: 10.00 Thermo/910110 Exp.8/31/10
Instrument ID: C
Balance ID: 26

Shipping and Receiving Documents

MISSOURI DEPARTMENT OF NATURAL RESOURCES

FIELD SHEET AND CHAIN-OF-CUSTODY RECORD

#68 3° 1 of 8

4872

LABORATORY ORDER ID:

08/28/2009

Collector's Name: (Please Print) Transfer Chain of Custody to Test America	**Description of Shipment**
Affiliation: (circle one) ESP KCRO NERO SERO SLRO SWRO WPP DGLS HWP Other:	x Shipped-Carrier: UPS Next 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
0916260 (Sample A)	Date: 08/12/09	Hexavalent Chromium						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
1 For Lab Use Only AB03921	Time: 11:32	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					
0916261 (Sample B)	Date: 08/12/09	Hexavalent Chromium						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
2 For Lab Use Only AB03922	Time: 11:37	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					
0916262 (Sample C)	Date: 08/12/09	Hexavalent Chromium						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
3 For Lab Use Only AB03923	Time: 11:39	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					
0916263 (Sample D)	Date: 08/12/09	Hexavalent Chromium						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
4 For Lab Use Only AB03924	Time: 11:41	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					

Relinquished By: Richard Kirsch 8-19-09	Received By: UPS	Date:	Time:
Relinquished By: UPS	Received By: [signature]	Date: Aug 20th - 09	Time: 7:10 Am
Relinquished By:	Received By:	Date:	Time:

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MISSOURI DEPARTMENT OF NATURAL RESOURCES

FIELD SHEET AND CHAIN-OF-CUSTODY RECORD

#1R6 8 30

2 of 8

LABORATORY ORDER ID: 4872

08/28/2009

Collector's Name: (Please Print) Transfer Chain of Custody to Test America	**Description of Shipment**
Affiliation: (circle one) ESP KCRO NERO SERO SLRO SWRO WPP DGLS HWP Other:	x Shipped-Carrier: UPS Next 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
0916264 (Sample A)	Date: 08/12/09	Hexavalent Chromium						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
5 For Lab Use Only AB03925	Time: 11:43	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					
0916265 (Sample B)	Date: 08/12/09	Hexavalent Chromium						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
6 For Lab Use Only AB03926	Time: 11:45	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					
0916266 (Sample C)	Date: 08/12/09	Hexavalent Chromium						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
7 For Lab Use Only AB03927	Time: 11:47	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					
0916267 (Sample D)	Date: 08/12/09	Hexavalent Chromium						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
8 For Lab Use Only AB03928	Time: 11:49	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					

Relinquished By: Richard Kirsch 8-19-09	Received By: UPS	Date:	Time:
Relinquished By: UPS	Received By: [signature]	Date: Aug 20th - 09	Time: 7:10 am
Relinquished By:	Received By:	Date:	Time:

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MISSOURI DEPARTMENT OF NATURAL RESOURCES

FIELD SHEET AND CHAIN-OF-CUSTODY RECORD

#IR68 3°

3 of 8

LABORATORY ORDER ID: 4872

08/28/2009

Collector's Name: (Please Print) Transfer Chain of Custody to Test America	**Description of Shipment**
Affiliation: (circle one) ESP KCRO NERO SERO SLRO SWRO WPP DGLS HWP Other:	x Shipped-Carrier: UPS Next 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
0916268 (Sample A)	Date: 08/12/09	Hexavalent Chromium						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
9 For Lab Use Only AB03929	Time: 11:51	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					
0916269 (Sample B)	Date: 08/12/09	Hexavalent Chromium						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
10 For Lab Use Only AB03930	Time: 11:53	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					
0916270 (Sample C)	Date: 08/12/09	Hexavalent Chromium						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
11 For Lab Use Only AB03931	Time: 12:45	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					
0916271 (Sample D)	Date: 08/12/09	Hexavalent Chromium						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
12 For Lab Use Only AB03932	Time: 12:48	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					

Relinquished By: Richard Kusch 8-19-09	Received By: UPS	Date:	Time:
Relinquished By: UPS	Received By: [signature]	Date: Aug 20 - 09	Time: 7:10
Relinquished By:	Received By:	Date:	Time:

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MISSOURI DEPARTMENT OF NATURAL RESOURCES

FIELD SHEET AND CHAIN-OF-CUSTODY RECORD

#1R68 3°

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4872

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: UPS Next 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
0916272 (Sample A)	Date: 08/12/09	Hexavalent Chromium						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 13 AB03933	Time: 12:51	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					
0916273 (Sample B)	Date: 08/12/09	Hexavalent Chromium						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 14 AB03934	Time: 12:53	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					
0916274 (Sample C)	Date: 08/12/09	Hexavalent Chromium						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 15 AB03935	Time: 12:56	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					
0916275 (Sample D)	Date: 08/12/09	Hexavalent Chromium						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 16 AB03936	Time: 12:58	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					

Relinquished By:	Received By:	Date:	Time:
Richard Kusch 8-19-09	UPS		
UPS	[illegible]	Aug 20th-09	7:10

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MISSOURI DEPARTMENT OF NATURAL RESOURCES

FIELD SHEET AND CHAIN-OF-CUSTODY RECORD

#IR 68 3°

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4872

LABORATORY ORDER ID:

Collector's Name: (Please Print)	Transfer Chain of Custody to Test America
Affiliation: (circle one)	ESP KCRO NERO SERO SLRO SWRO WPP DGLS HWP Other:

Description of Shipment

x Shipped-Carrier: UPS Next 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
0916276 (Sample A)	Date: 08/12/09	Hexavalent Chromium						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 17 AB03937	Time: 13:00	D.O	Flow	pH	Spec. Cond.	Temp.	Other:				
0916277 (Sample B)	Date: 08/12/09	Hexavalent Chromium						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 18 AB03938	Time: 13:02	D.O	Flow	pH	Spec. Cond.	Temp.	Other:				
091679 (Sample C)	Date: 08/12/09	Hexavalent Chromium						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 19 AB03939	Time: 13:03	D.O	Flow	pH	Spec. Cond.	Temp.	Other:				
0916278 (Sample D)	Date: 08/12/09	Hexavalent Chromium						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 20 AB03940	Time: 13:05	D.O	Flow	pH	Spec. Cond.	Temp.	Other:				

Relinquished By: Richard Kirsch 8-19-09	Received By: UPS	Date:	Time:
Relinquished By: UPS	Received By: [illegible]	Date: Aug 20th-09	Time: 7:10
Relinquished By:	Received By:	Date:	Time:

08/28/2009

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MISSOURI DEPARTMENT OF NATURAL RESOURCES

FIELD SHEET AND CHAIN-OF-CUSTODY RECORD

#1R 68 3°

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4872

LABORATORY ORDER ID:

08/28/2009

Collector's Name: (Please Print) Transfer Chain of Custody to Test America	**Description of Shipment**
Affiliation: (circle one) ESP KCRO NERO SERO SLRO SWRO WPP DGLS HWP Other:	x Shipped-Carrier: UPS Next 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
0916280 (Sample A)	Date: 08/12/09	Hexavalent Chromium						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 21 AB03941	Time: 13:40	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					
0916281 (Sample B)	Date: 08/12/09	Hexavalent Chromium						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 22 AB03942	Time: 13:55	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					
091682 (Sample C)	Date: 08/12/09	Hexavalent Chromium						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 23 AB03943	Time: 13:44	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					
0916283 (Sample D)	Date: 08/12/09	Hexavalent Chromium						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 24 AB03944	Time: 13:56	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					

Relinquished By: Richard Kirsch 8-19-09	Received By: UPS	Date:	Time:
Relinquished By: UPS	Received By: [illegible]	Date: Aug 20th -09	Time: 7:10 am
Relinquished By:	Received By:	Date:	Time:

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MISSOURI DEPARTMENT OF NATURAL RESOURCES

FIELD SHEET AND CHAIN-OF-CUSTODY RECORD

#IR 68 3°

7 of 8

LABORATORY ORDER ID: 4872

Collector's Name: (Please Print) Transfer Chain of Custody to Test America	**Description of Shipment**
Affiliation: (circle one) ESP KCRO NERO SERO SLRO SWRO WPP DGLS HWP Other:	x Shipped-Carrier: UPS Next 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
0916284 (Sample A)	Date: 08/12/09	Hexavalent Chromium						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 25 AB03945	Time: 13:57	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					
0916285 (Sample B)	Date: 08/12/09	Hexavalent Chromium						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 26 AB03946	Time: 14:00	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					
091686 (Sample C)	Date: 08/12/09	Hexavalent Chromium						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 27 AB03947	Time: 14:02	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					
0916287 (Sample D)	Date: 08/12/09	Hexavalent Chromium						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 28 AB03948	Time: 14:05	D.O	Flow	pH	Spec. Cond.	Temp.	Other:					

Relinquished By: Richard Kusch 8-19-09	Received By: UPS	Date:	Time:
Relinquished By: UPS	Received By: [illegible]	Date: Aug 20th-09	Time: 7:10
Relinquished By:	Received By:	Date:	Time:

08/28/2009 Page 670 of 672

MISSOURI DEPARTMENT OF NATURAL RESOURCES

FIELD SHEET AND CHAIN-OF-CUSTODY RECORD #1268 3°

8 of 8

LABORATORY ORDER ID: 4872

Collector's Name: (Please Print) Transfer Chain of Custody to Test America	**Description of Shipment**
Affiliation: (circle one) ESP KCRO NERO SERO SLRO SWRO WPP DGLS HWP Other:	x Shipped-Carrier: UPS Next Air x Tape sealed and initialed Hand Delivered — No. Of Containers: 2

Sample Number	Sample Collected	Analyses						Sample Type	For Lab Use Only: Matrix	Container		Preserved
0916288 (Sample A)	Date: 08/12/09	Hexavalent Chromium						x Grab Composite Modified	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 29 AB03949	Time: 14:06	D.O	Flow	pH	Spec. Cond.	Temp.	Other:	Other:				
0916289 (Sample B)	Date: 08/12/09	Hexavalent Chromium						x Grab Composite Modified	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 30 AB03950	Time: 14:11	D.O	Flow	pH	Spec. Cond.	Temp.	Other:	Other:				
(Sample C)	Date:							Grab Composite Modified	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:	Other:				
(Sample D)	Date:							Grab Composite Modified	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:	Other:				

Relinquished By: Richard Kirsch 8-19-09	Received By: UPS	Date:	Time:
Relinquished By: UPS	Received By: [signature]	Date: August 20-09	Time: 7:10
Relinquished By:	Received By:	Date:	Time:

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Login Sample Receipt Check List

Client: Missouri Department of Natural Resources

Job Number: 460-4872-1

Login Number: 4872

List Source: TestAmerica Edison

Creator: Williams, Kenwyn

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.	True	Tape
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	3°C IR#-68
COC is present.	True	
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	